

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064285.D
 Acq On : 23 Oct 2020 13:01
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

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 10/26/2020 1:39:36 PM

Quant Time: Oct 23 15:14:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 15:10:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	54744	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	317455	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	285877	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	148888	31.03	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.43%
60) 4-Bromofluorobenzene	12.38	95	155615	30.80	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.67%
63) Toluene-d8	10.06	98	387967	30.38	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	82081	24.916 ug/l	97
3) Chloromethane	2.04	50	82523	23.613 ug/l	92
4) Vinyl Chloride	2.16	62	80153	22.735 ug/l	96
5) Bromomethane	2.54	94	53534	23.065 ug/l	93
6) Chloroethane	2.67	64	47220	22.967 ug/l	100
7) Trichlorofluoromethane	2.99	101	136124	22.822 ug/l	99
8) Diethyl Ether	3.38	74	44210	22.741 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	69180	23.359 ug/l	89
10) 1,1-Dichloroethene	3.70	96	65895	23.050 ug/l	98
11) Methyl Iodide	3.91	142	87778	21.427 ug/l	97
12) Methyl Acetate	4.28	43	74902	22.590 ug/l	97
13) Acrolein	3.57	56	26268	92.614 ug/l	97
14) Acrylonitrile	4.93	53	141630	109.403 ug/l	98
15) Acetone	3.77	58	47443	114.233 ug/l	89
16) Carbon Disulfide	4.01	76	184749	22.348 ug/l	95
17) Allyl chloride	4.28	41	117895	21.515 ug/l	92
18) Methylene Chloride	4.50	84	72631	21.604 ug/l	91
19) trans-1,2-Dichloroethene	4.99	96	73105	22.570 ug/l	96
20) Diisopropyl ether	5.90	45	236458	22.748 ug/l	92
21) 1,1-Dichloroethane	5.80	63	140919	22.700 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	83122	22.287 ug/l #	90
23) tert-Butyl Alcohol	4.73	59	66446	110.993 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	220206	22.131 ug/l	96
25) Chloroform	7.33	83	149634	22.208 ug/l	94
26) Cyclohexane	7.61	56	109444	22.806 ug/l	96
29) 1,1-Dichloropropene	7.75	75	113209	22.096 ug/l	97
30) 2-Butanone	6.78	43	249175	110.352 ug/l #	96
31) 2,2-Dichloropropane	6.77	77	143668	22.314 ug/l #	88
32) 1,1,1-Trichloroethane	7.53	97	143741	21.903 ug/l	96
33) Carbon Tetrachloride	7.73	117	129318	22.093 ug/l	93
34) Benzene	8.00	78	305303	21.781 ug/l	97
35) Methacrylonitrile	7.12	41	50535	22.688 ug/l	95
36) 1,2-Dichloroethane	8.09	62	130150	21.495 ug/l	100
37) Trichloroethene	8.80	130	85420	22.255 ug/l	95
38) Methylcyclohexane	9.05	83	102252	21.904 ug/l	96
39) 1,2-Dichloropropane	9.08	63	81716	21.649 ug/l	100
40) Dibromomethane	9.17	93	58879	22.389 ug/l	96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	127418	22.555	ug/l	93
42) Vinyl Acetate	5.84	43	1083393	108.780	ug/l	100
43) Ethyl Acetate	6.88	43	101795	21.534	ug/l	96
44) Isopropyl Acetate	8.13	43	190466m	22.416	ug/l	
45) 1,4-Dioxane	9.16	88	22753	441.514	ug/l	93
46) Methyl methacrylate	9.16	41	91414	21.989	ug/l	93
47) n-amyl Acetate	12.04	43	154680	20.958	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	140504	22.155	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	142655	21.676	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	74953	21.596	ug/l	95
51) Ethyl methacrylate	10.40	69	112472	21.247	ug/l	87
52) 1,3-Dichloropropane	10.68	76	134624	22.103	ug/l	98
53) Dibromochloromethane	10.87	129	93047	21.786	ug/l	92
54) 1,2-Dibromoethane	10.97	107	79254	21.469	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	185796	71.955	ug/l	99
56) Bromoform	12.10	173	63788	20.951	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	508484	110.131	ug/l	100
59) 2-Hexanone	10.72	43	388802	111.712	ug/l	98
61) Tetrachloroethene	10.60	164	83210	22.310	ug/l	99
62) Toluene	10.12	91	337768	21.947	ug/l	99
64) Chlorobenzene	11.41	112	213680	22.506	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.48	131	83919	22.024	ug/l	98
66) Ethyl Benzene	11.48	91	383761	21.725	ug/l	97
67) m/p-Xylenes	11.59	106	286547	43.867	ug/l	99
68) o-Xylene	11.92	106	138939	21.997	ug/l	95
69) Styrene	11.94	104	229851	21.813	ug/l	98
70) Isopropylbenzene	12.22	105	367609	21.953	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	97583	21.624	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	99482m	21.254	ug/l	
73) Bromobenzene	12.50	156	89144	21.905	ug/l	97
74) n-propylbenzene	12.57	91	426084	22.187	ug/l	98
75) 2-Chlorotoluene	12.65	91	256665	21.605	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	311212	21.912	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	38415	21.030	ug/l	79
78) 4-Chlorotoluene	12.75	91	270928	21.888	ug/l	100
79) tert-butylbenzene	12.97	119	256966	22.136	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	314027	21.819	ug/l	99
81) sec-Butylbenzene	13.14	105	334785	22.364	ug/l	98
82) p-Isopropyltoluene	13.26	119	303556	21.968	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	156487	21.768	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	159239	21.847	ug/l	99
85) n-Butylbenzene	13.59	91	267958	22.189	ug/l	97
86) Hexachloroethane	13.85	117	50413	21.609	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	152460	21.773	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	23703	21.333	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	86554	21.713	ug/l	93
90) Hexachlorobutadiene	14.98	225	48660	22.242	ug/l	99
91) Naphthalene	15.10	128	255487	21.987	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	84999	22.401	ug/l	97

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QLast Update : Fri Oct 23 15:10:40 2020
Response via : Initial Calibration

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

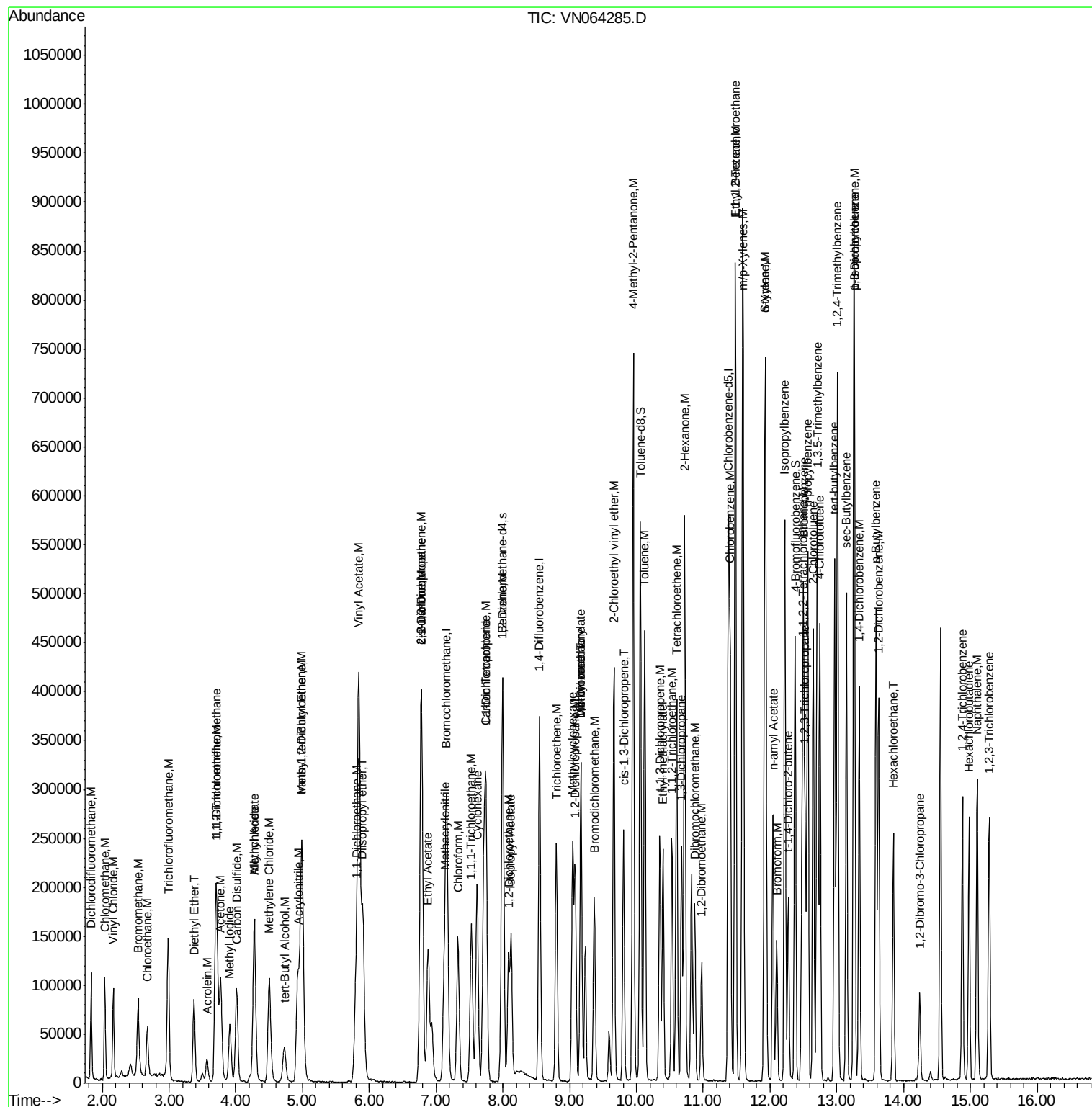
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 Data File : VN064285.D
 Acq On : 23 Oct 2020 13:01
 Operator : JC/MD
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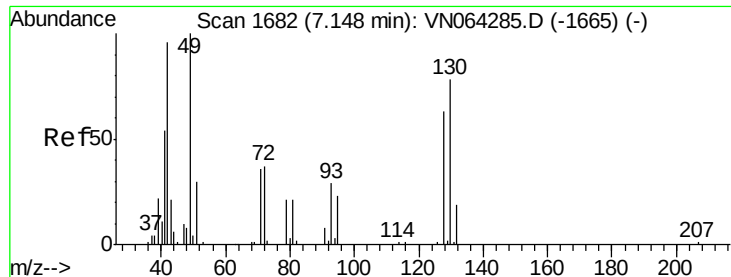
Instrument :
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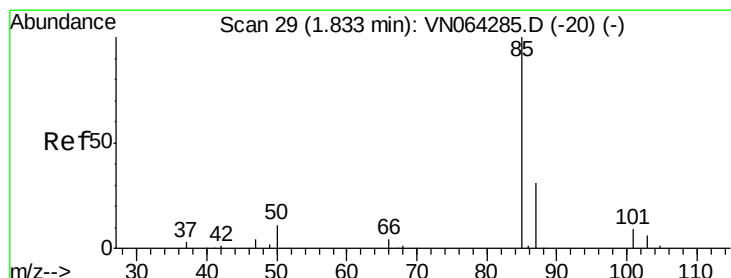
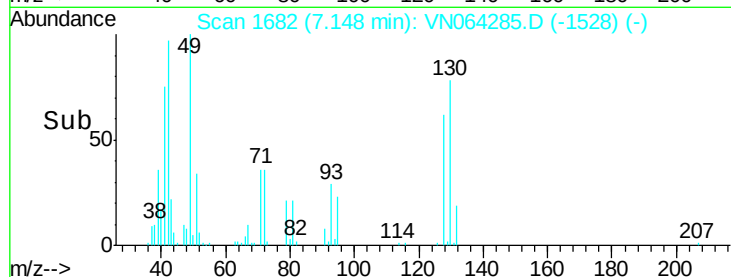
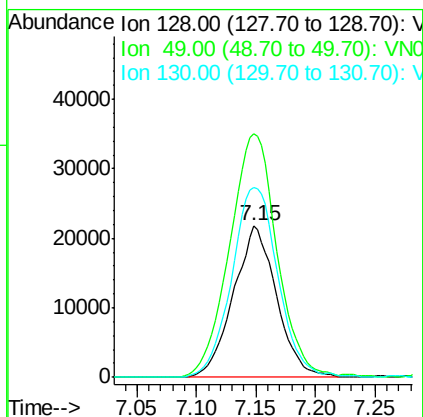
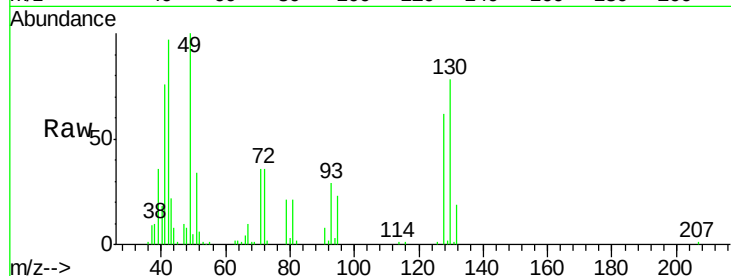
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

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ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	176.1	0.0	445.0
130	133.6	0.0	320.2

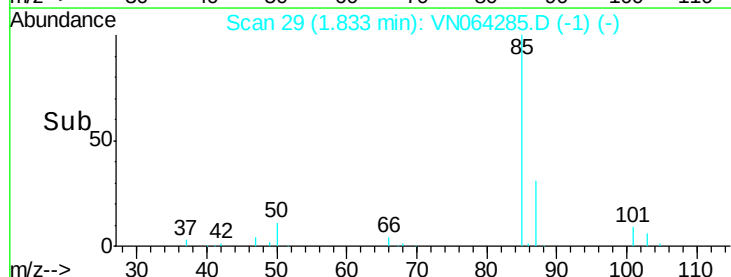
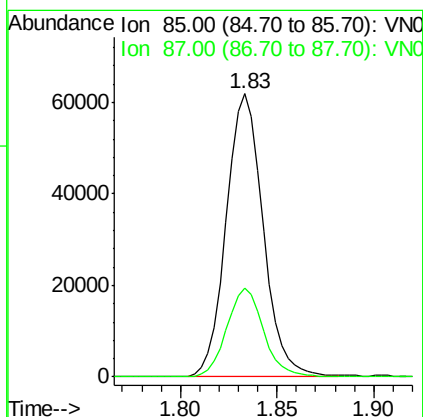
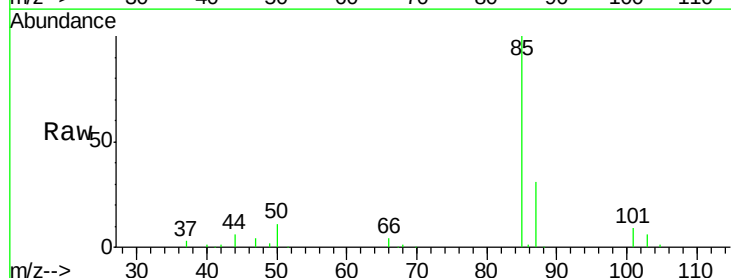
Manual Integrations
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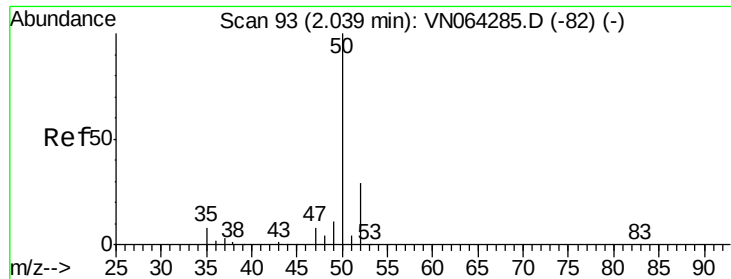
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#2
Dichlorodifluoromethane
Concen: 24.916 ug/l
RT: 1.83 min Scan# 29
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.2	16.4	49.2





#3

Chloromethane

Concen: 23.613 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 82523

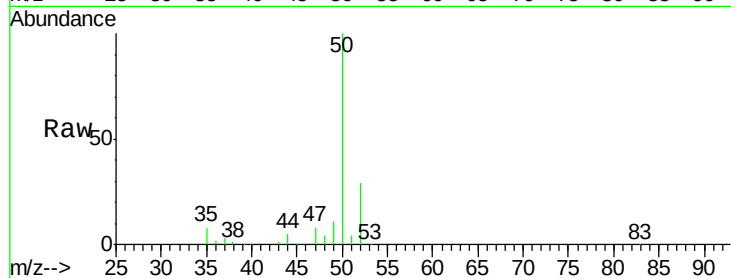
Ion Ratio Lower Upper

50 100

52 29.1 27.1 40.7

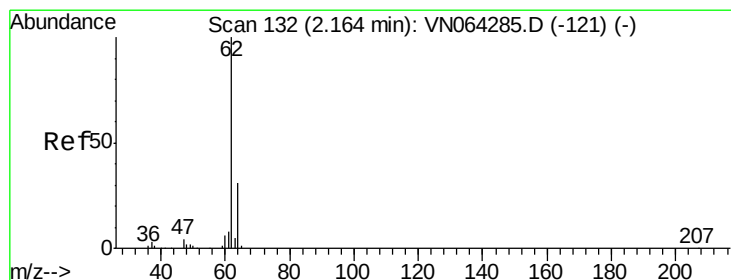
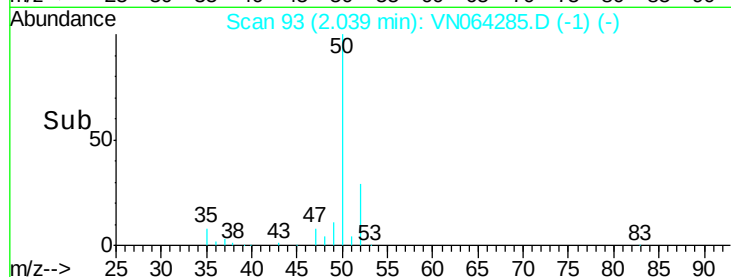
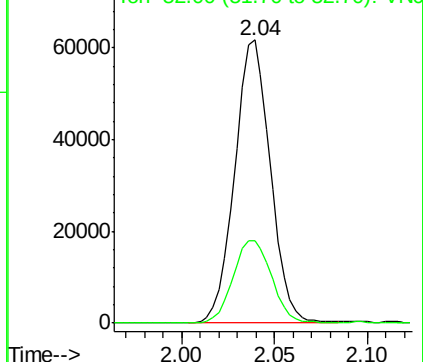
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 22.735 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064285.D

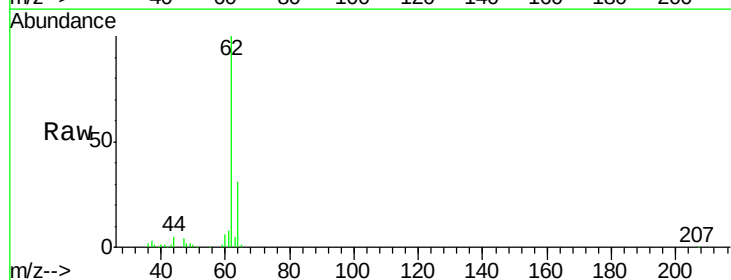
Acq: 23 Oct 2020 13:01

Tgt Ion: 62 Resp: 80153

Ion Ratio Lower Upper

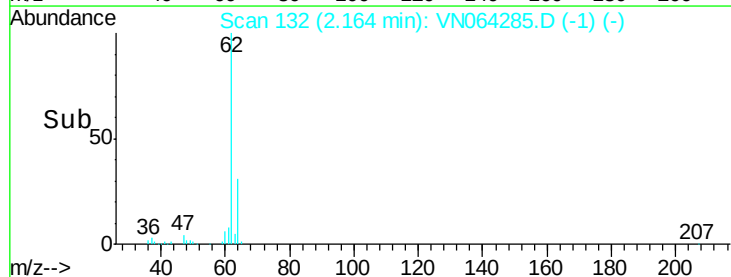
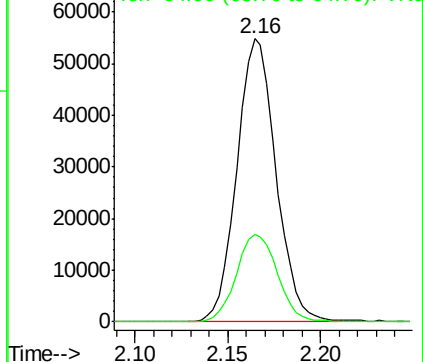
62 100

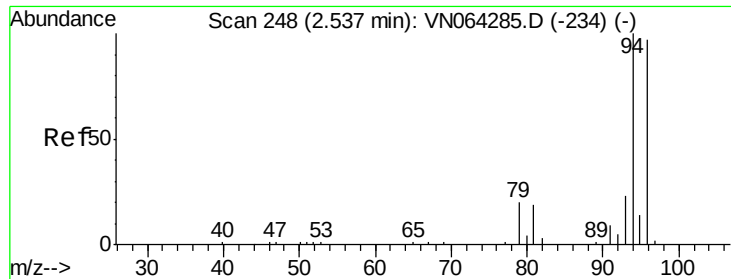
64 30.7 26.6 39.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 23.065 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 53534

Ion Ratio Lower Upper

94 100

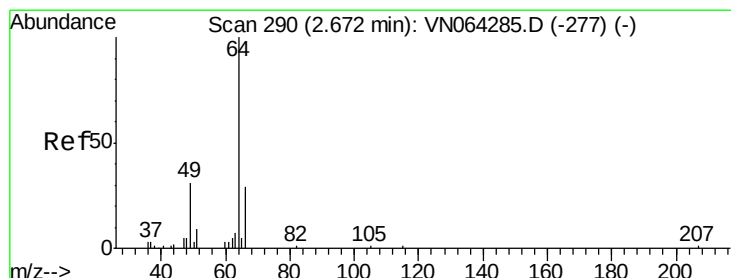
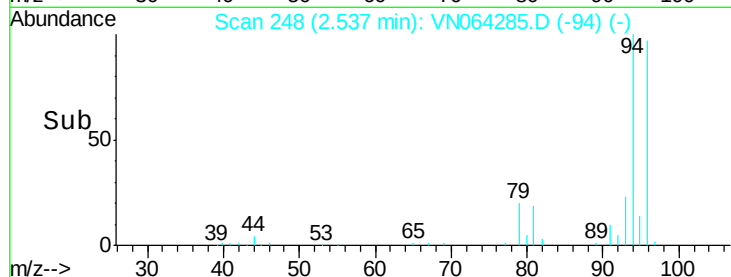
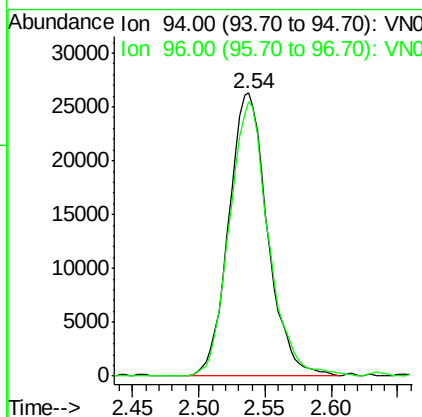
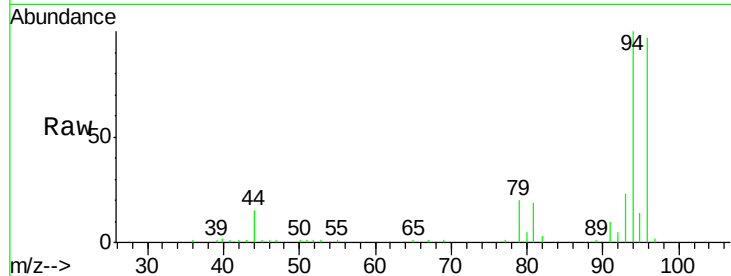
96 97.1 72.4 108.6

Manual Integrations

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#6

Chloroethane

Concen: 22.967 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064285.D

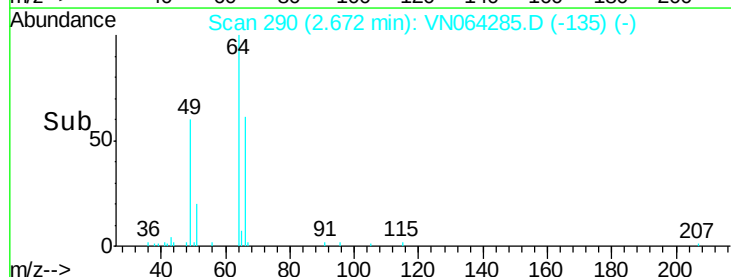
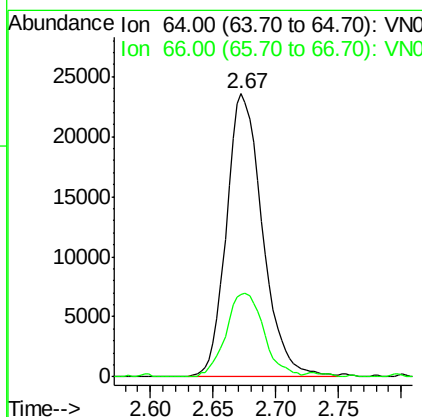
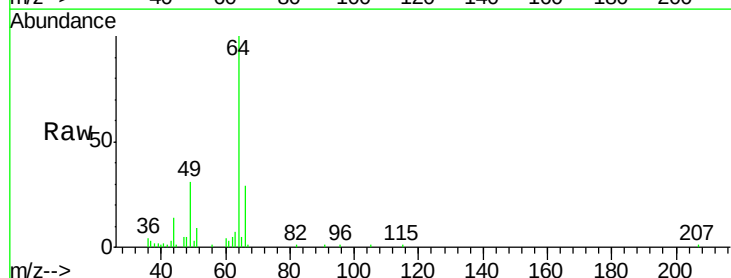
Acq: 23 Oct 2020 13:01

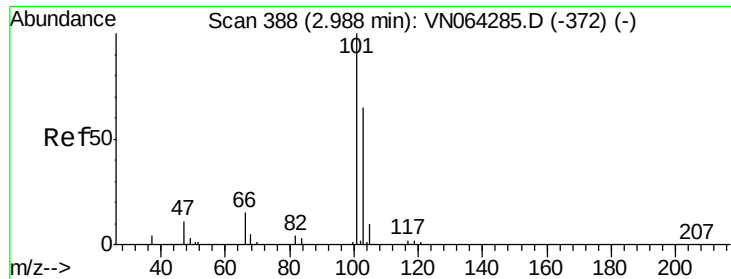
Tgt Ion: 64 Resp: 47220

Ion Ratio Lower Upper

64 100

66 29.1 23.4 35.2





#7

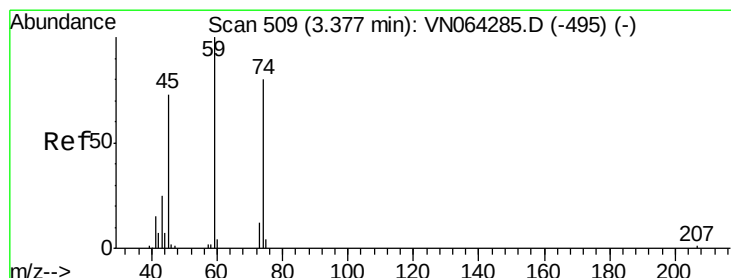
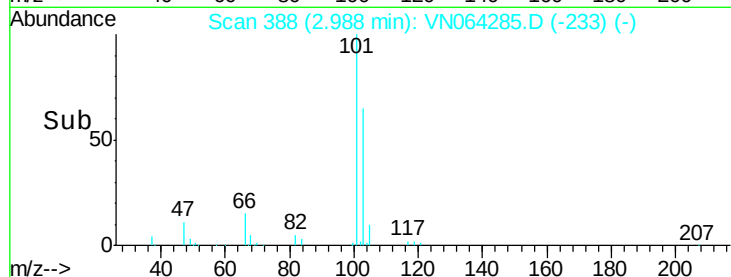
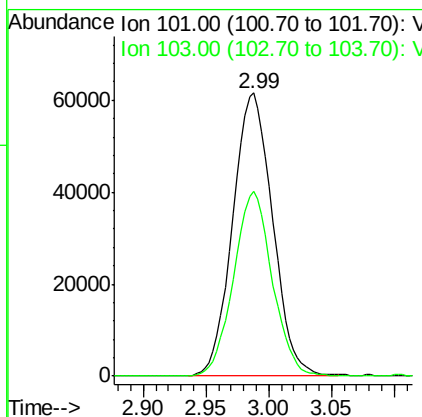
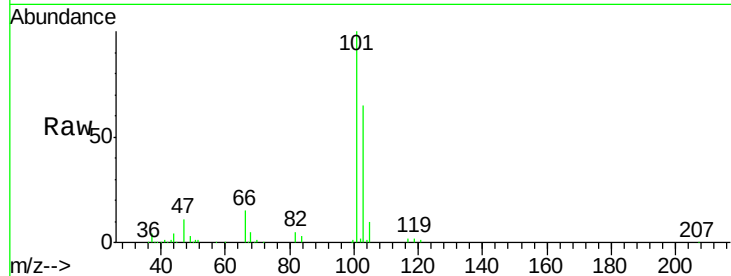
Trichlorofluoromethane
Concen: 22.822 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		136124		
103	65.0	51.4	77.0		

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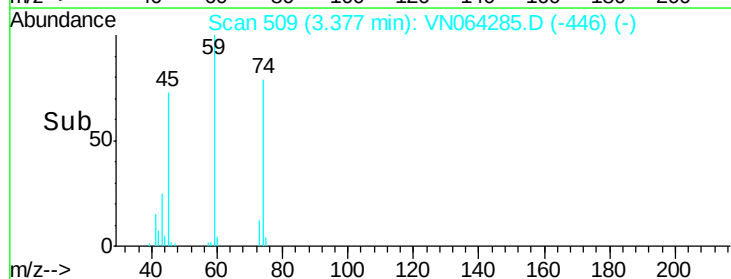
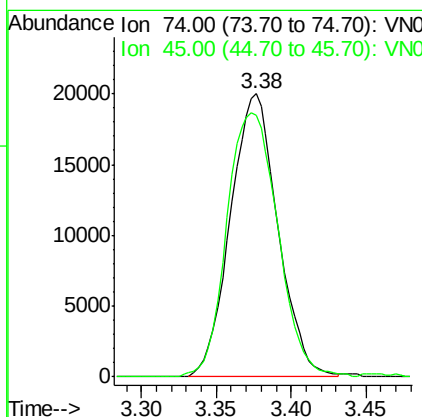
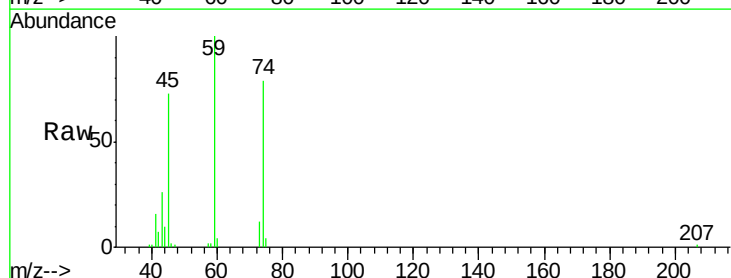
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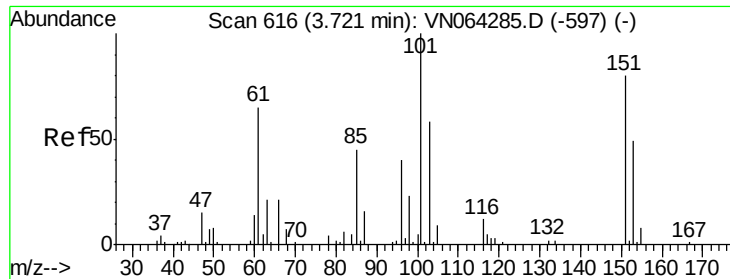


#8

Diethyl Ether
Concen: 22.741 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		44210		
45	100.1	21.3	191.3		





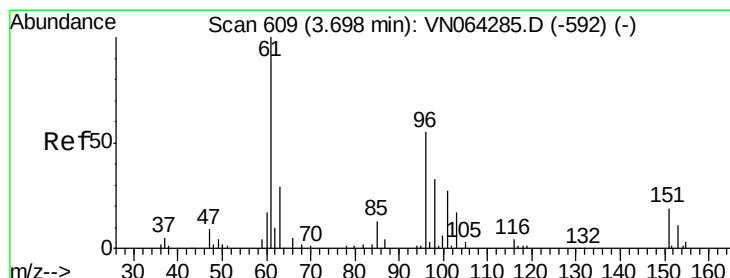
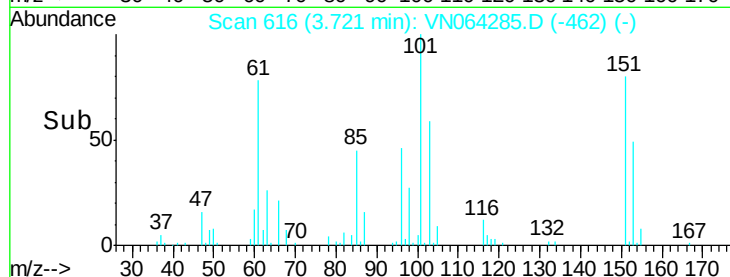
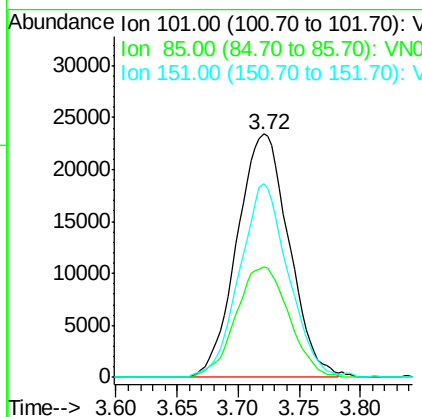
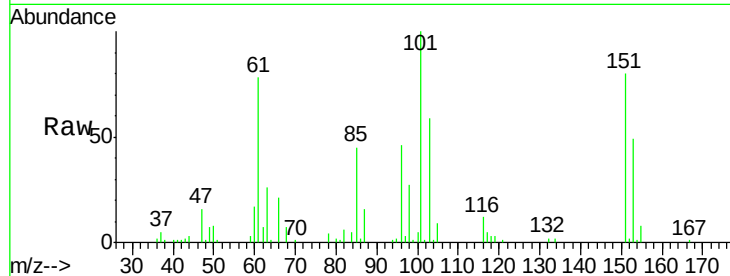
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 23.359 ug/l
 RT: 3.72 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.1	0.0	47.4
151	74.5	0.0	148.4

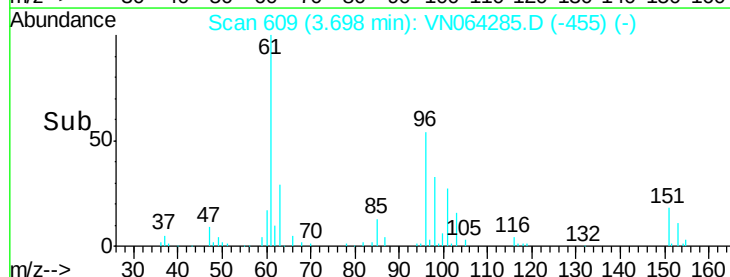
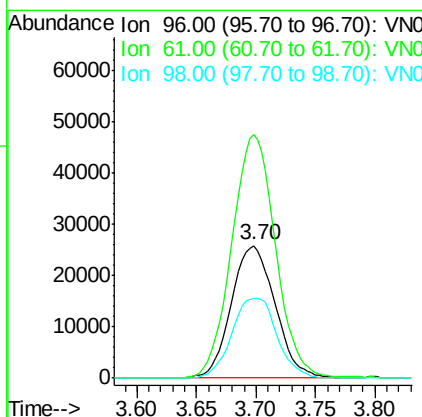
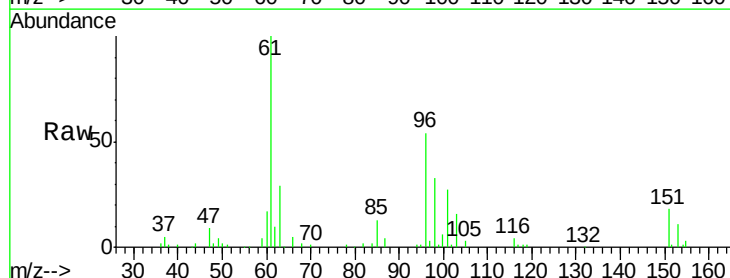
Manual Integrations
 APPROVED

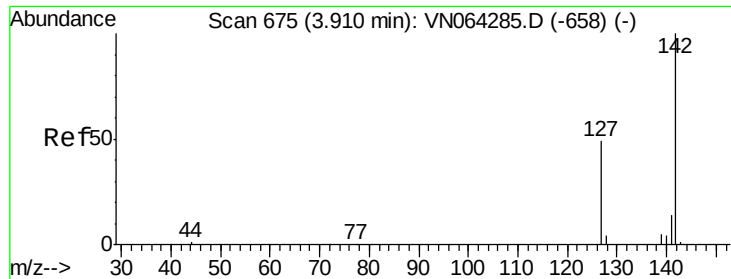
MMDadoda
 10/26/2020 1:39:36 PM



#10
 1,1-Dichloroethene
 Concen: 23.050 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.9	144.2	216.4
98	60.5	47.4	71.0





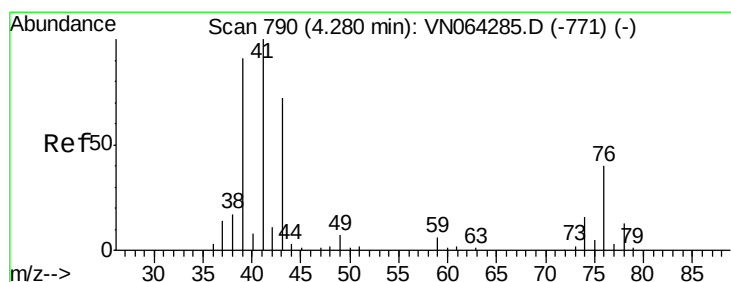
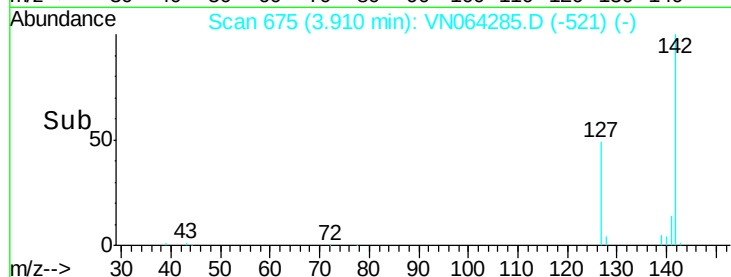
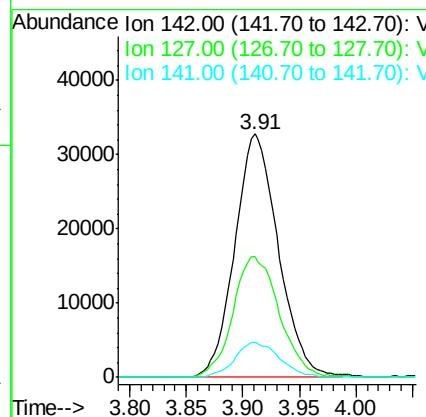
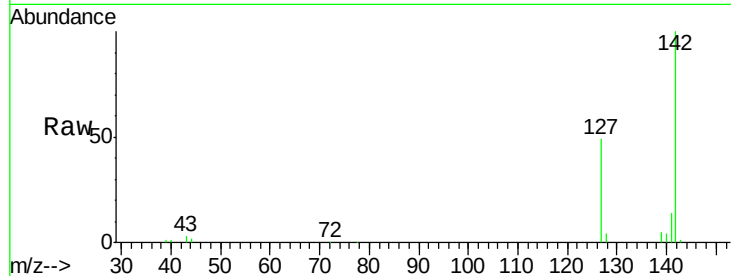
#11
Methvl Iodide
Concen: 21.427 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.3	25.9	77.8
141	14.4	7.5	22.6

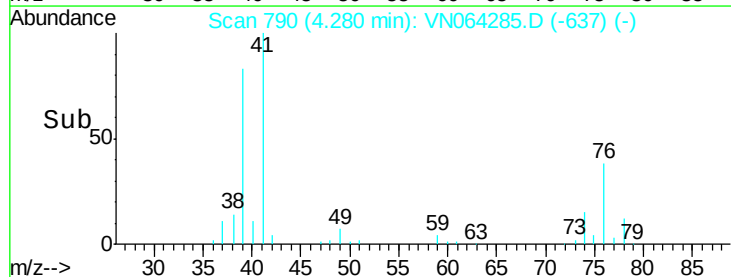
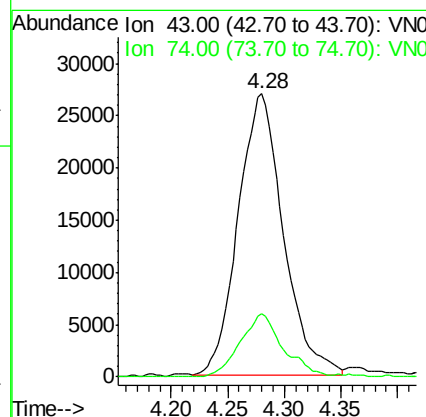
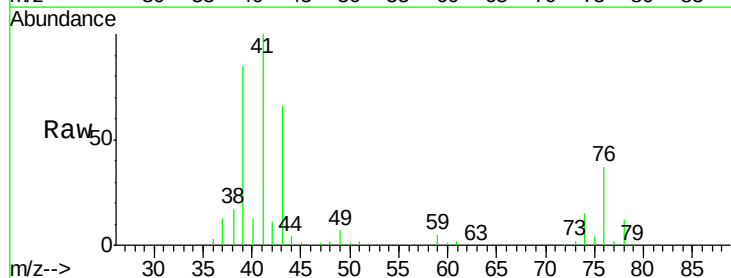
Manual Integrations
APPROVED

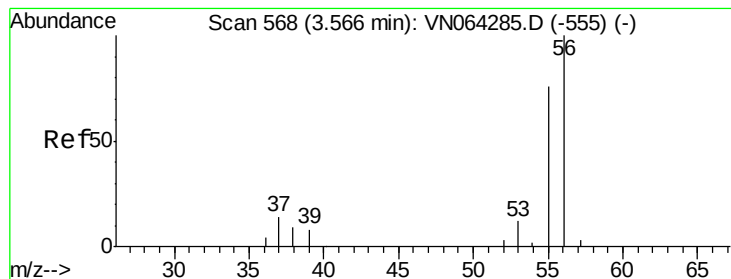
MMDadoda
10/26/2020 1:39:36 PM



#12
Methyl Acetate
Concen: 22.590 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.01 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	19.0	28.6





#13

Acrolein

Concen: 92.614 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 26268

Ion Ratio Lower Upper

56 100

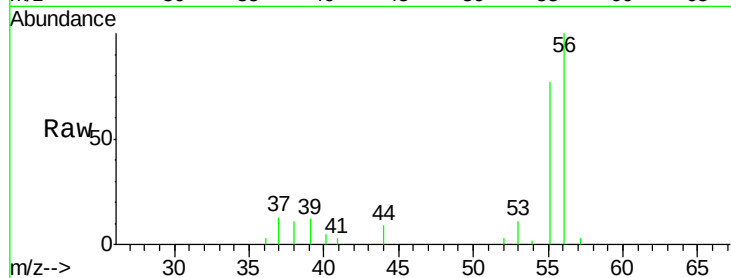
55 73.7 61.0 91.6

Manual Integrations

APPROVED

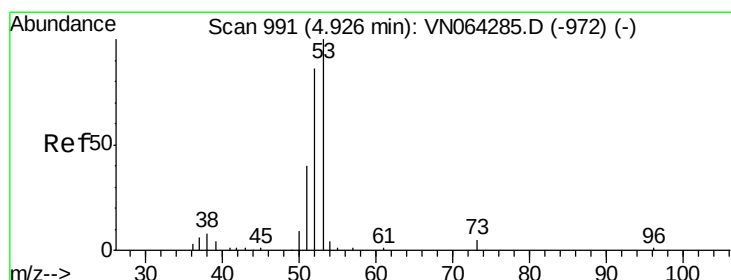
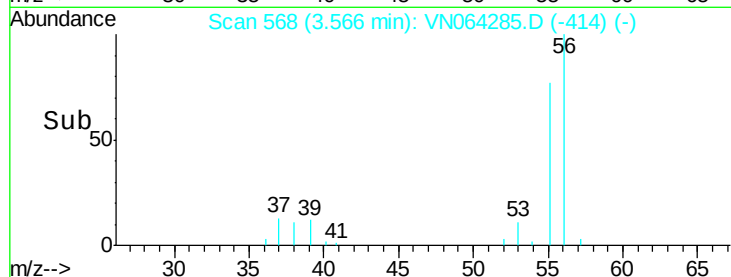
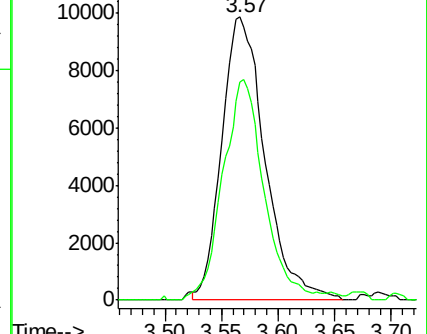
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 109.403 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

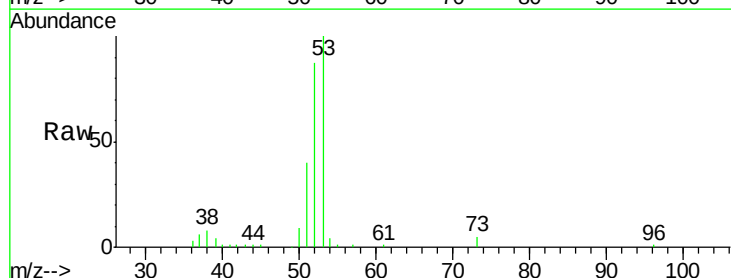
Tgt Ion: 53 Resp: 141630

Ion Ratio Lower Upper

53 100

52 85.3 41.7 125.1

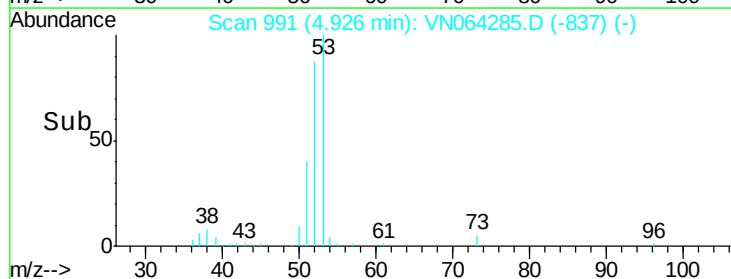
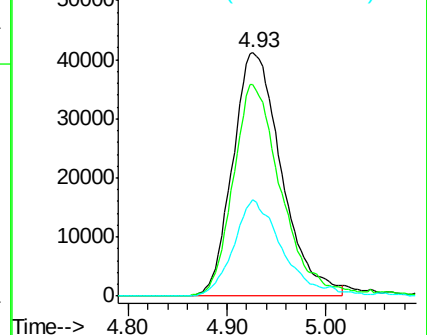
51 38.1 18.9 56.7

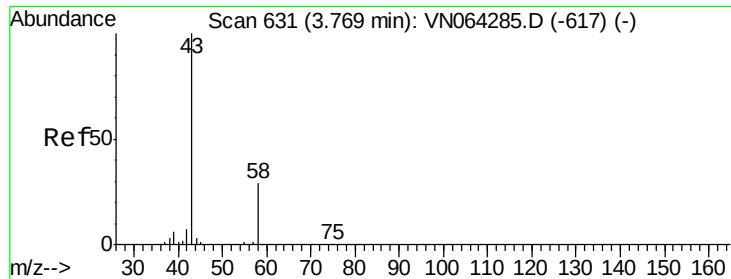


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 114.233 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 47443

Ion Ratio Lower Upper

58 100

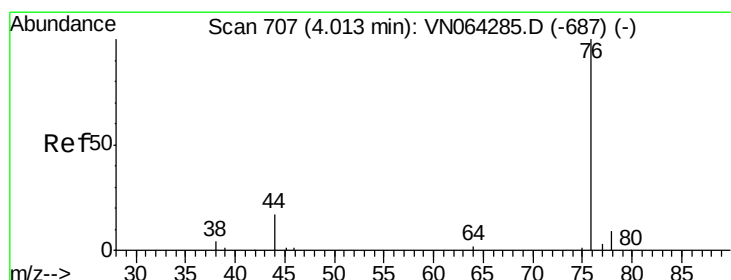
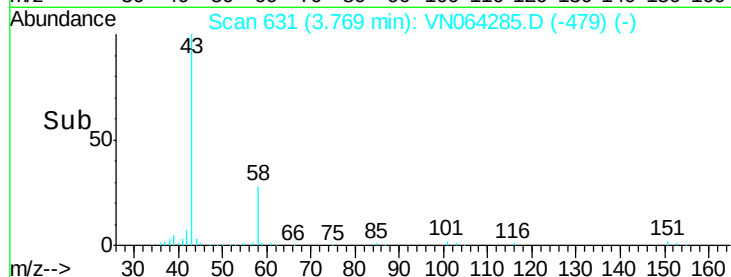
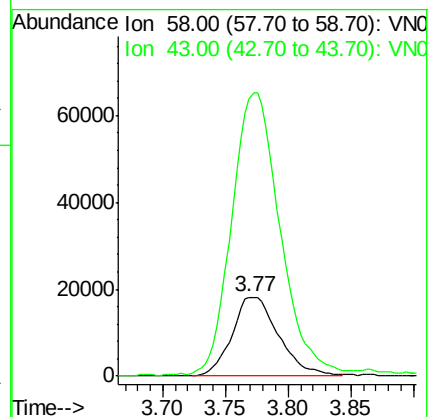
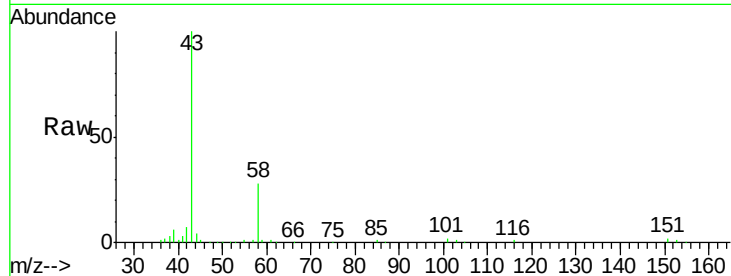
43 347.4 297.4 446.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 22.348 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN064285.D

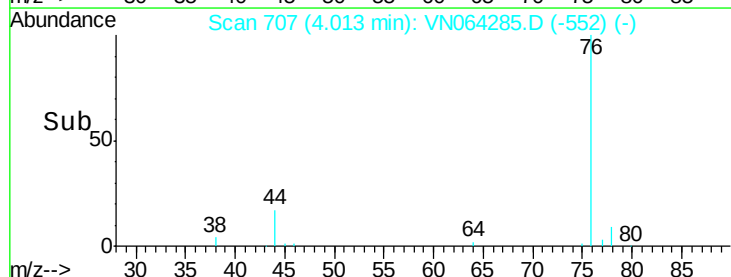
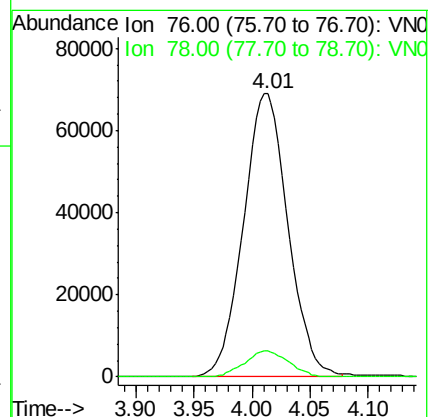
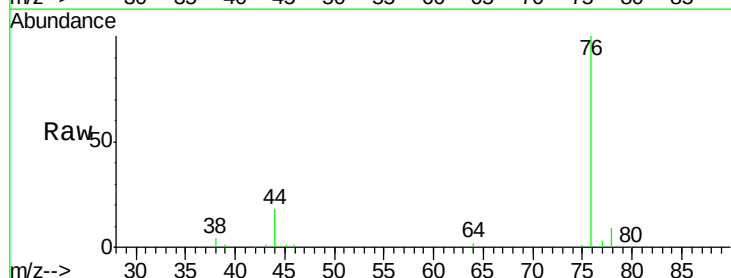
Acq: 23 Oct 2020 13:01

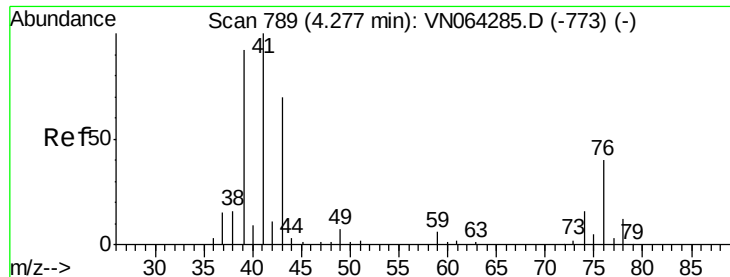
Tgt Ion: 76 Resp: 184749

Ion Ratio Lower Upper

76 100

78 9.4 9.0 13.4





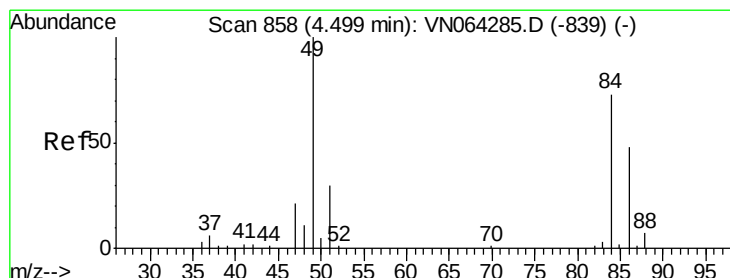
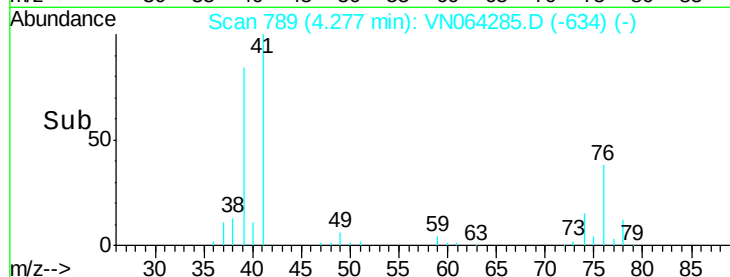
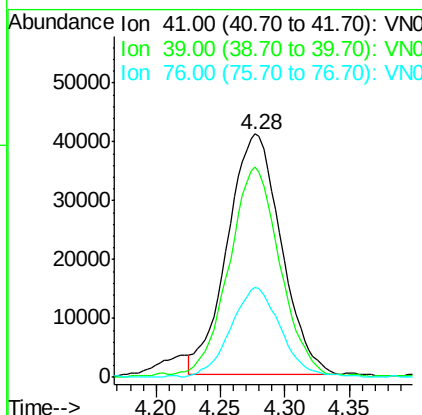
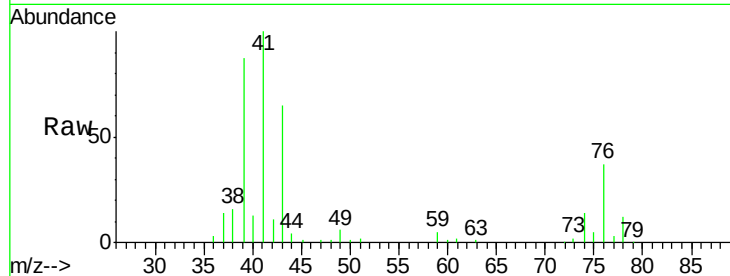
#17
Allvl chloride
Concen: 21.515 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		117895		
39	86.6	39.9	119.6		
76	36.6	21.4	64.2		

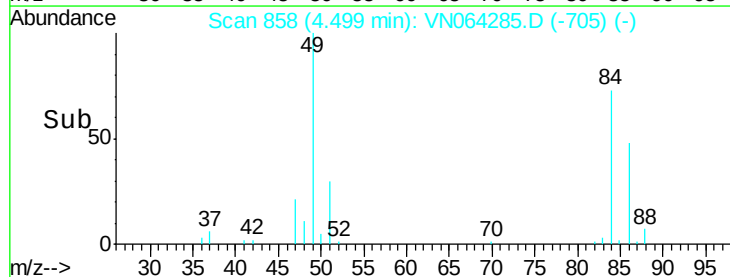
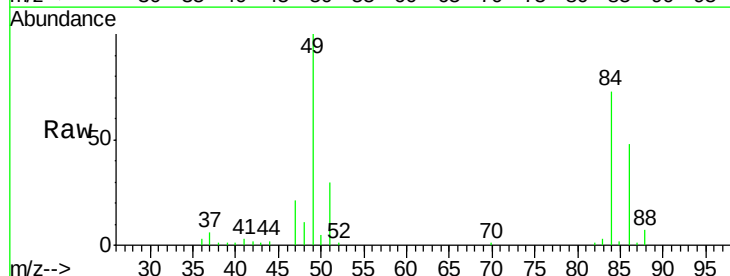
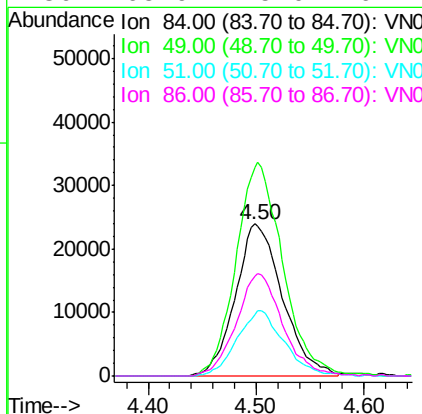
Manual Integrations
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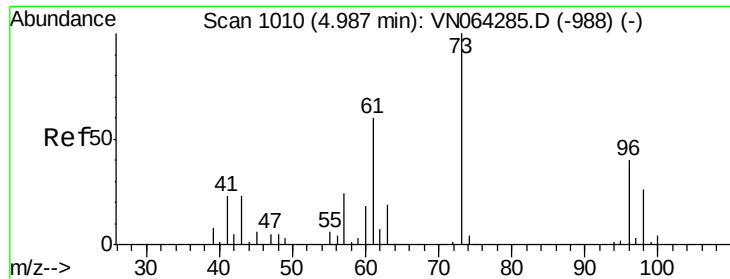
MMDadoda
10/26/2020 1:39:36 PM



#18
Methylene Chloride
Concen: 21.604 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
84	100		72631		
49	137.1	101.1	151.7		
51	40.6	33.4	50.0		
86	65.9	45.0	67.4		





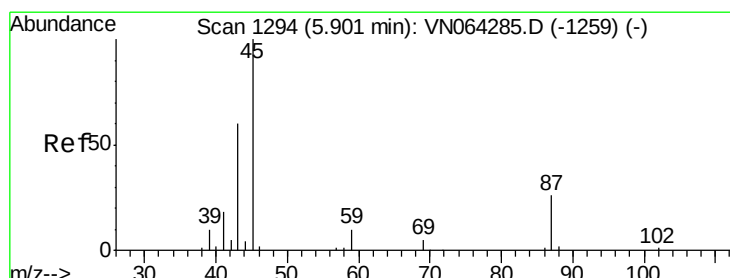
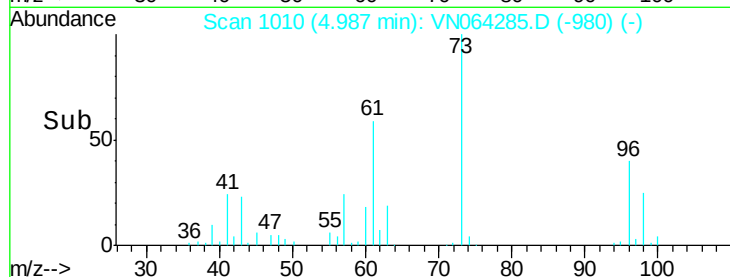
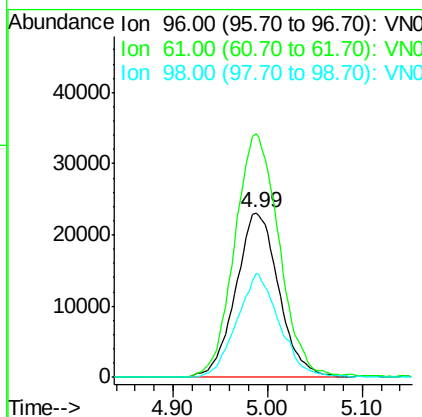
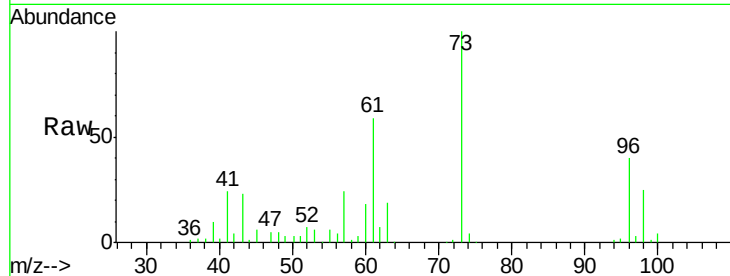
#19
trans-1,2-Dichloroethene
Concen: 22.570 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	114.2	171.2
98	63.3	52.8	79.2

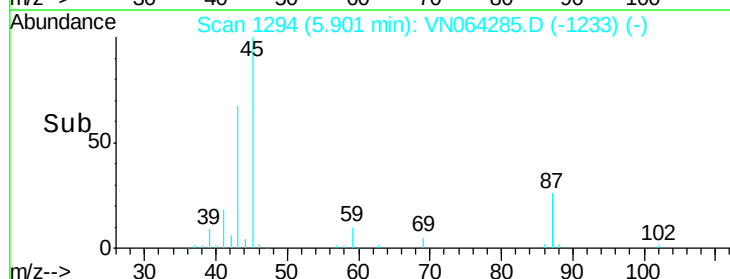
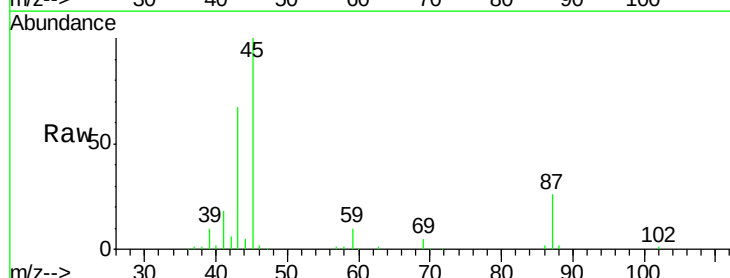
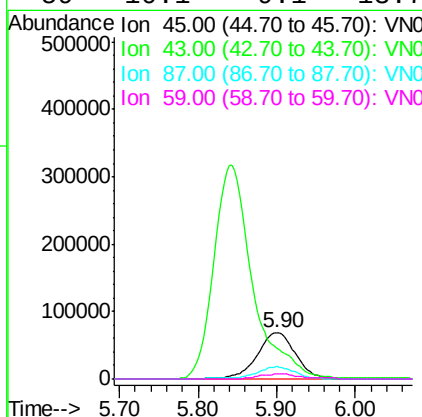
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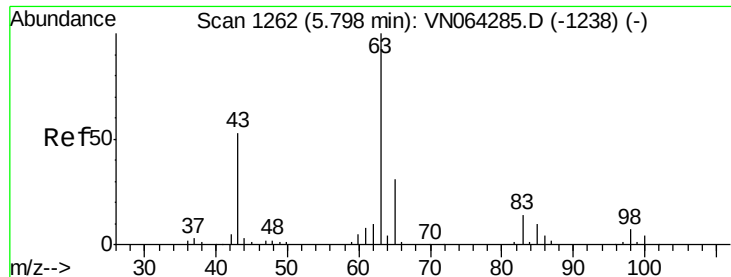
MMDadoda
10/26/2020 1:39:36 PM



#20
Diisopropyl ether
Concen: 22.748 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.1	58.9	88.3
87	26.4	21.0	31.4
59	10.1	9.1	13.7





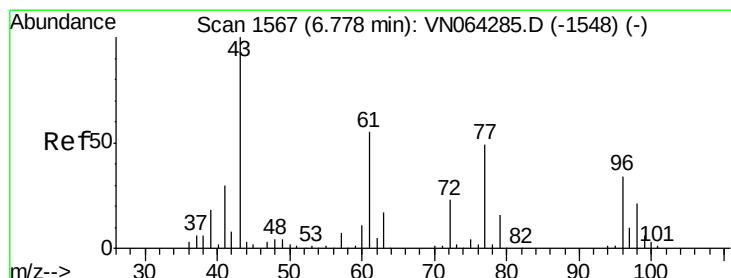
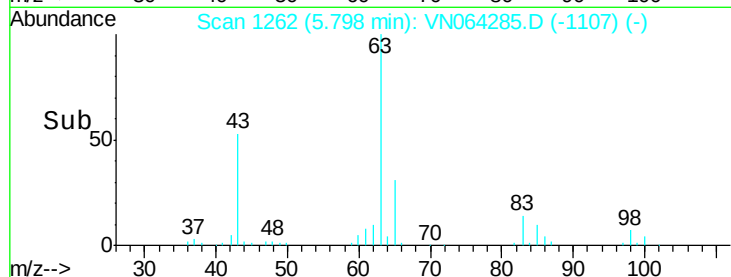
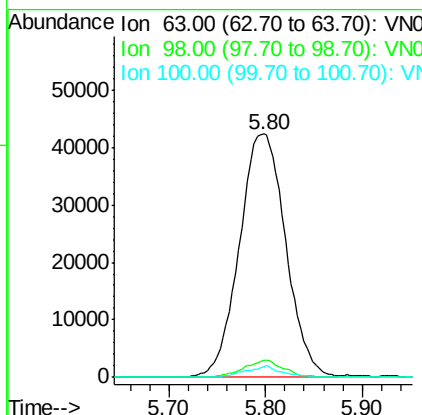
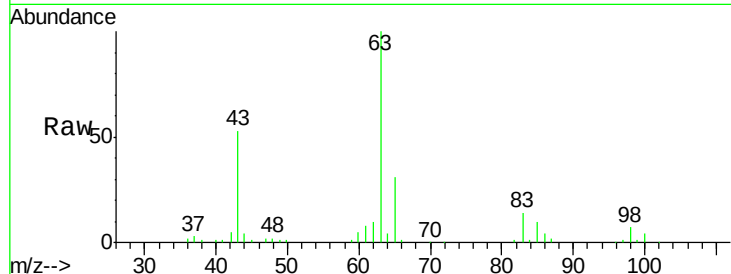
#21
 1,1-Dichloroethane
 Concen: 22.700 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.2	3.5	10.6	
100	4.3	1.6	4.7	

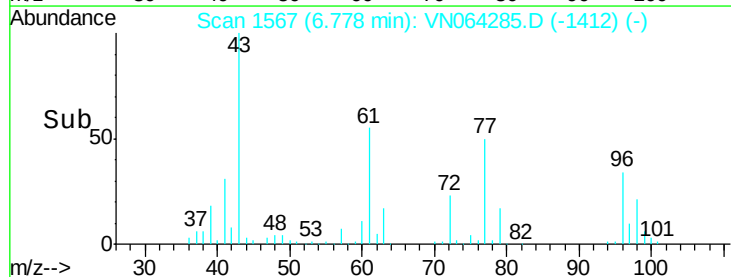
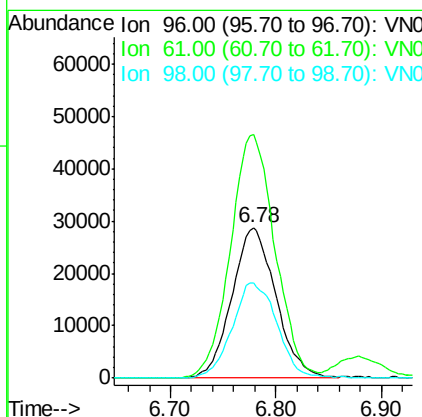
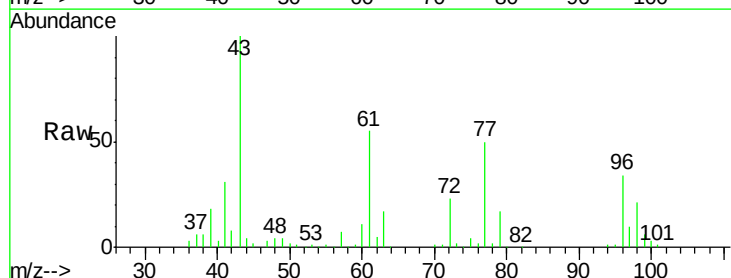
Manual Integrations
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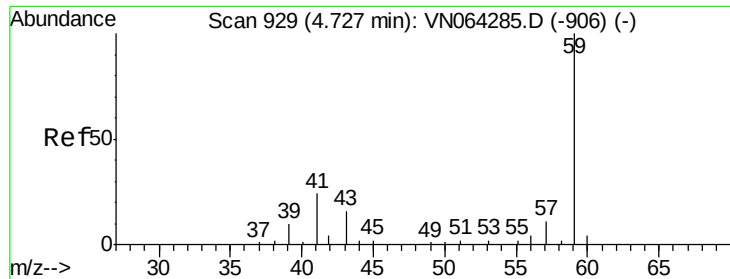
MMDadoda
 10/26/2020 1:39:36 PM



#22
 cis-1,2-Dichloroethene
 Concen: 22.287 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	164.0	132.2	198.2	
98	64.5	26.5	39.7	





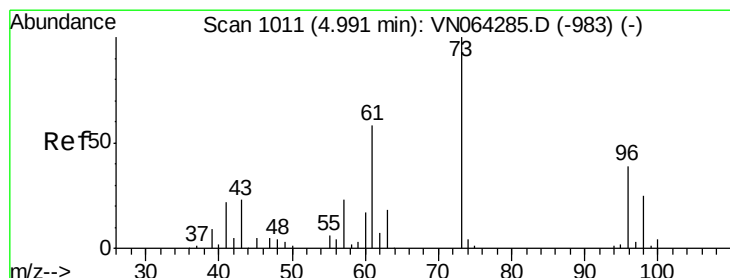
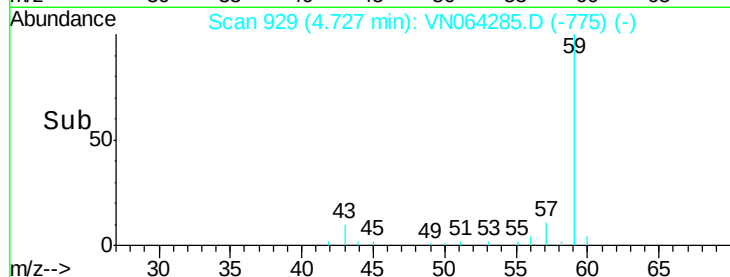
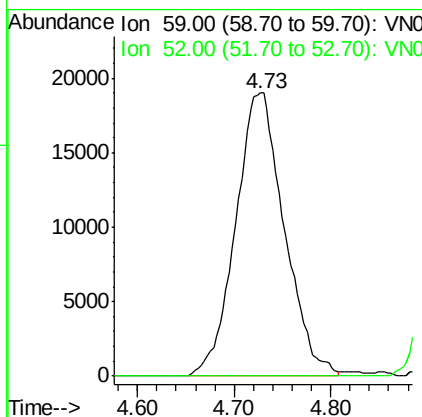
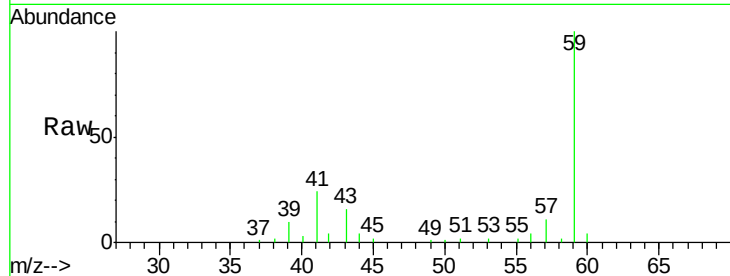
#23
 tert-Butyl Alcohol
 Concen: 110.993 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 59 Resp: 66446
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#

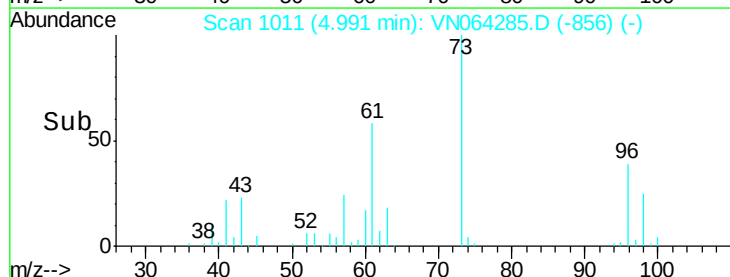
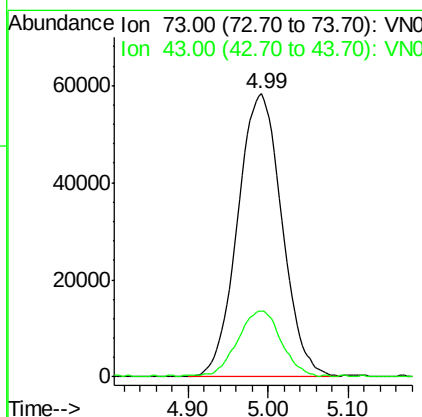
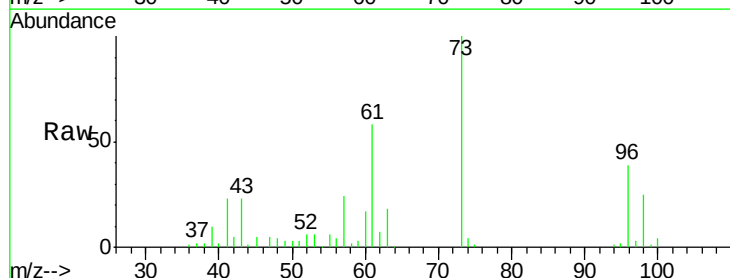
Manual Integrations
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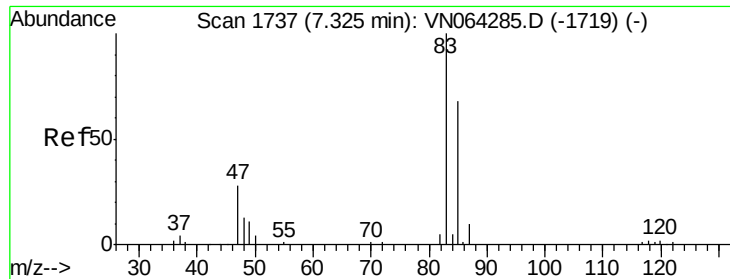
MMDadoda
 10/26/2020 1:39:36 PM



#24
 Methyl tert-Butyl Ether
 Concen: 22.131 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion: 73 Resp: 220206
 Ion Ratio Lower Upper
 73 100
 43 22.5 19.7 29.5





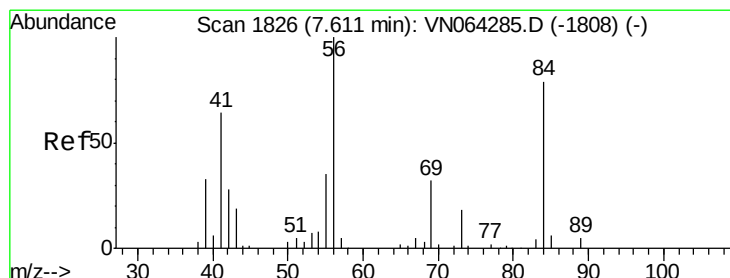
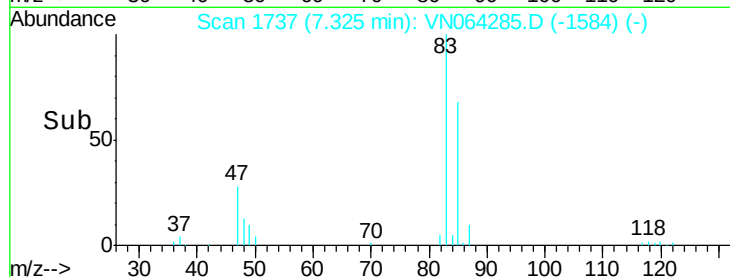
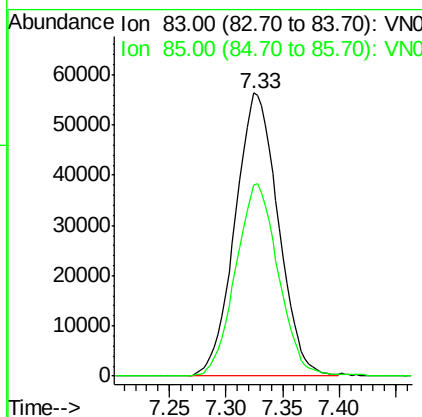
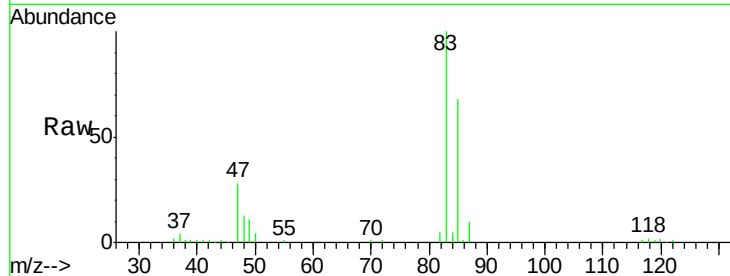
#25
Chloroform
Concen: 22.208 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	149634
Ion Ratio	100	Lower	Upper
83	100		
85	67.6	50.3	75.5

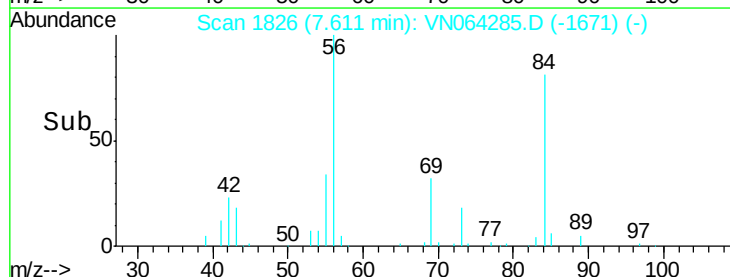
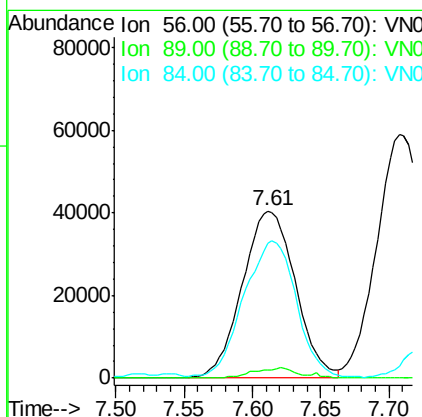
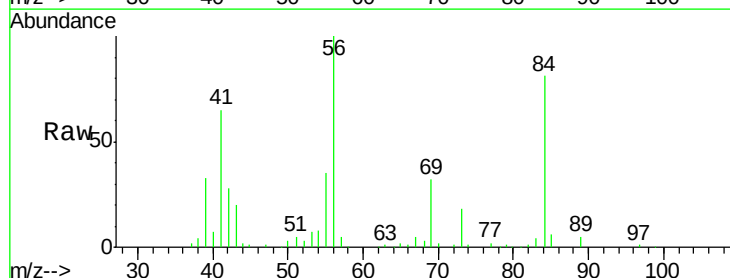
Manual Integrations
APPROVED

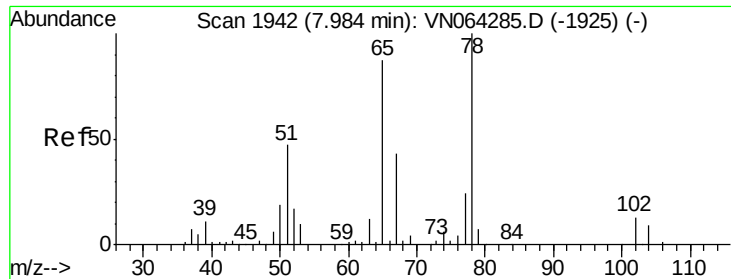
MMDadoda
10/26/2020 1:39:36 PM



#26
Cyclohexane
Concen: 22.806 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	56	Resp	109444
Ion Ratio	100	Lower	Upper
56	100		
89	4.8	3.4	5.2
84	79.1	66.2	99.2





#27

1,2-Dichloroethane-d4

Concen: 31.030 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 65 Resp: 148888

Ion Ratio Lower Upper

65 100

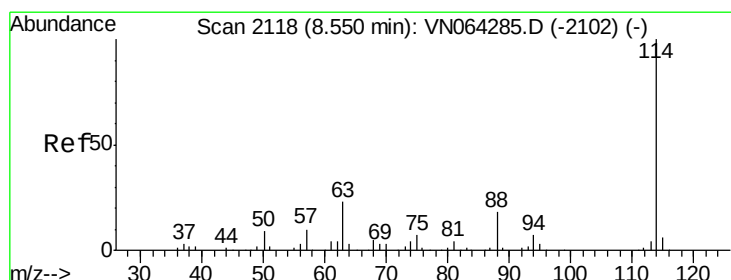
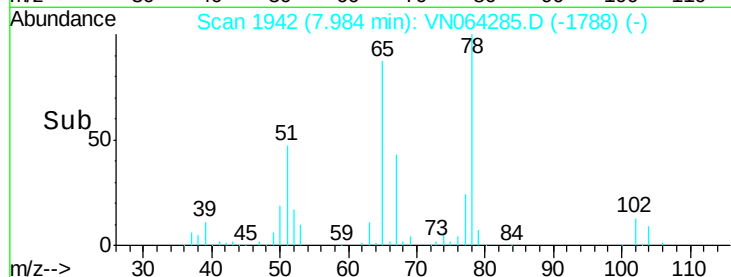
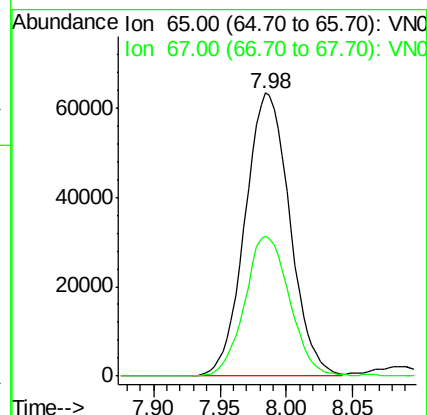
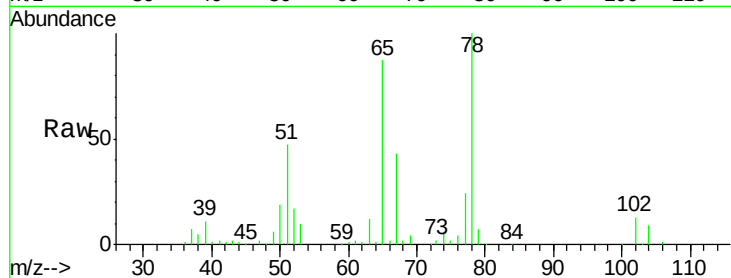
67 49.3 38.4 57.6

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

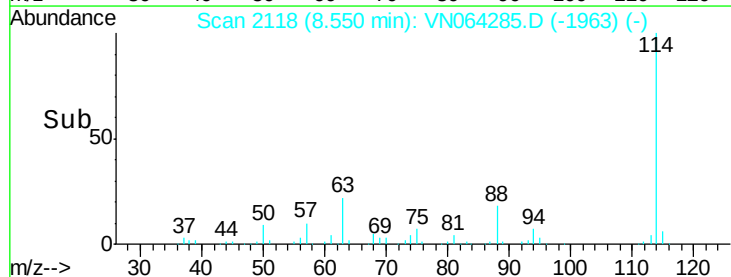
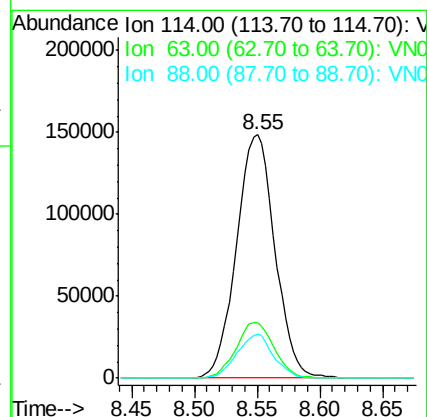
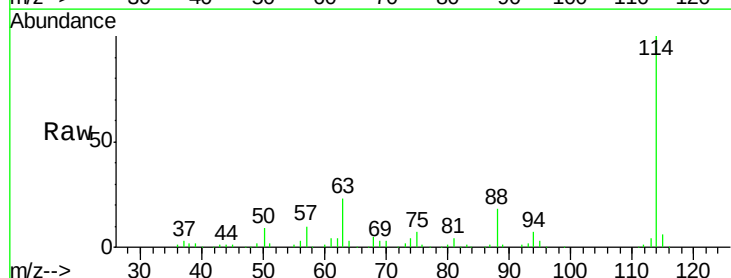
Tgt Ion: 114 Resp: 317455

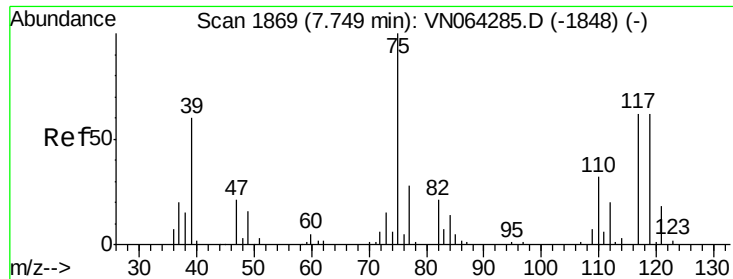
Ion Ratio Lower Upper

114 100

63 22.4 17.8 26.8

88 17.1 13.8 20.8





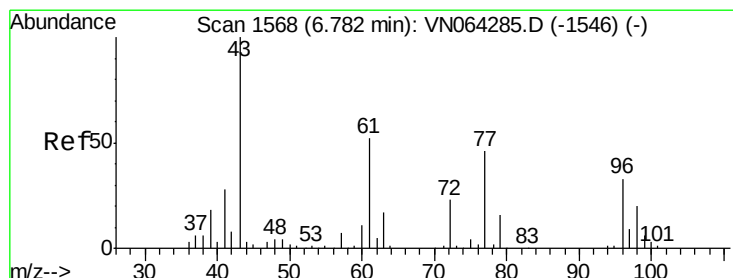
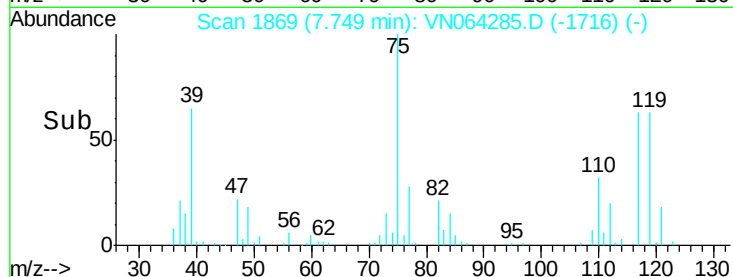
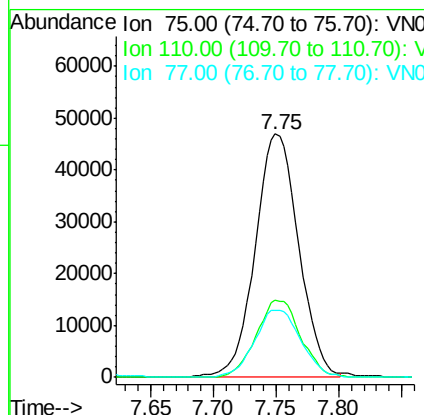
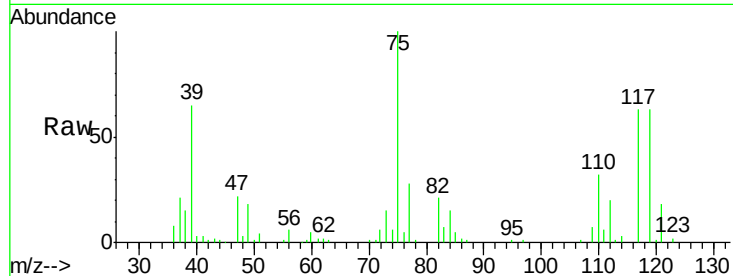
#29
 1,1-Dichloropropene
 Concen: 22.096 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.4	0.0	66.2
77	29.5	0.0	64.4

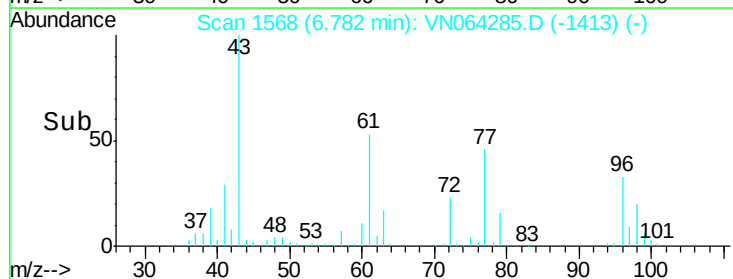
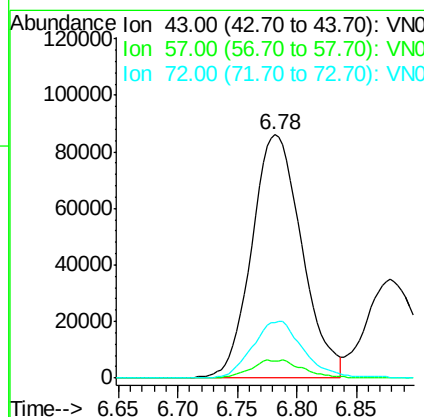
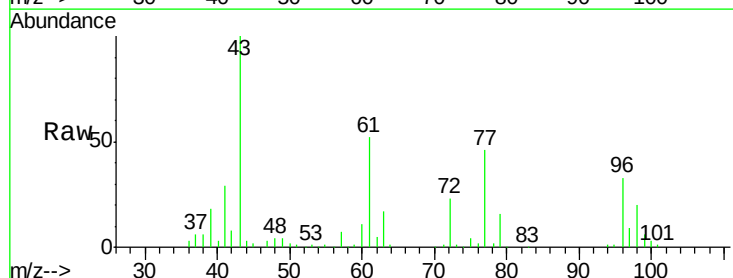
Manual Integrations
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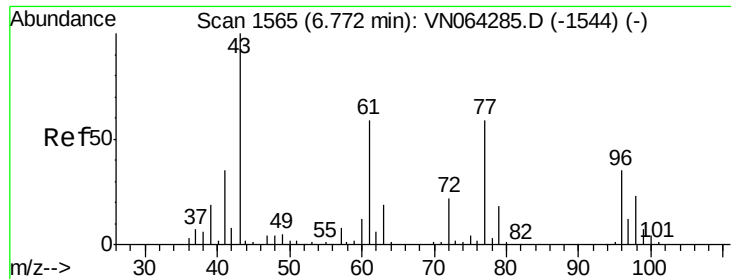
MMDadoda
 10/26/2020 1:39:36 PM



#30
 2-Butanone
 Concen: 110.352 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
57	3.7	6.4	9.6#
72	23.7	19.4	29.0





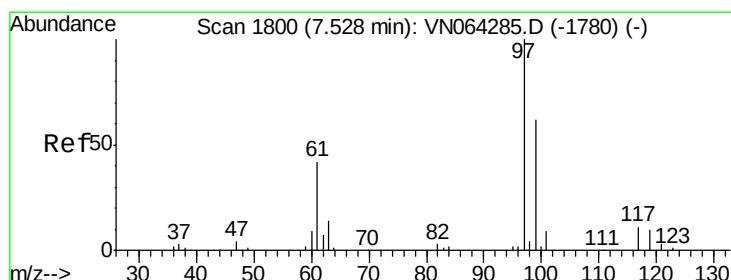
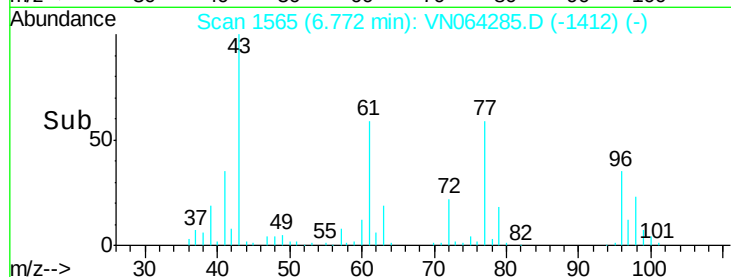
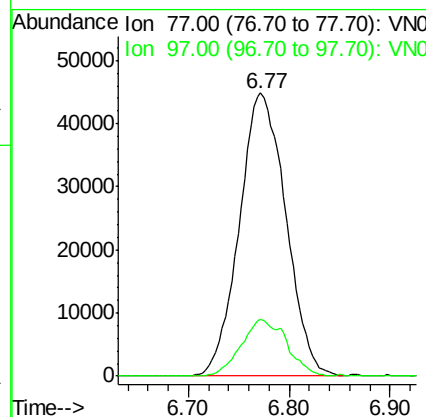
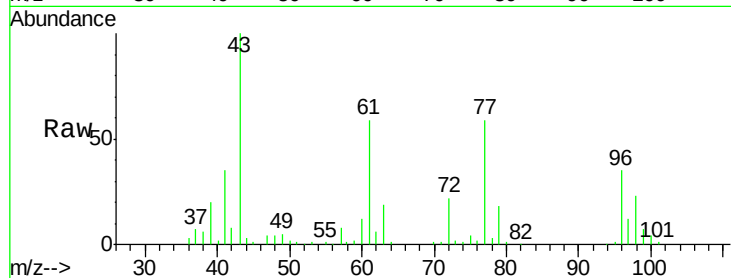
#31
 2,2-Dichloropropane
 Concen: 22.314 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 77 Resp: 143668
 Ion Ratio Lower Upper
 77 100
 97 13.5 15.1 22.7#

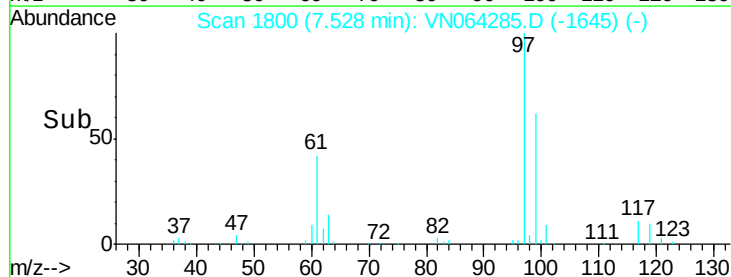
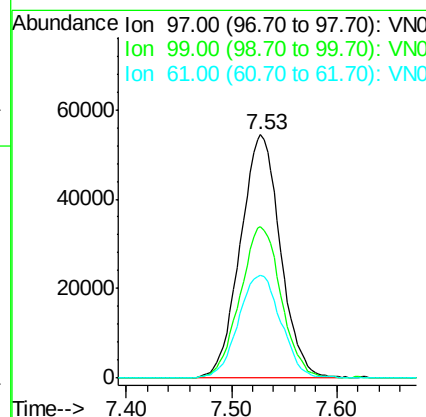
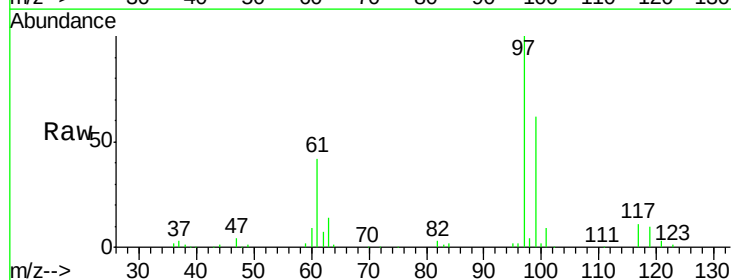
Manual Integrations
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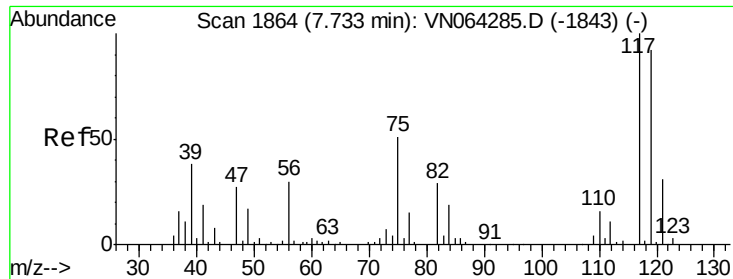
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 21.903 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion: 97 Resp: 143741
 Ion Ratio Lower Upper
 97 100
 99 63.8 54.4 81.6
 61 44.6 37.5 56.3





#33

Carbon Tetrachloride

Concen: 22.093 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 117 Resp: 129318

Ion Ratio Lower Upper

117 100

119 92.4 80.1 120.1

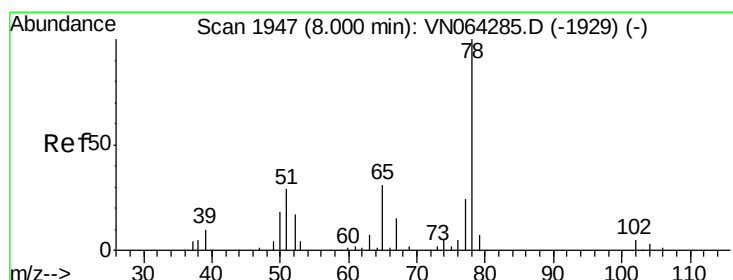
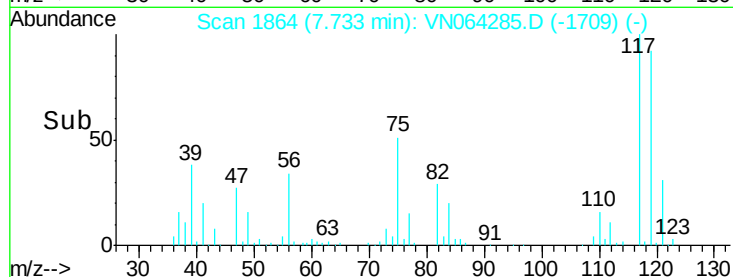
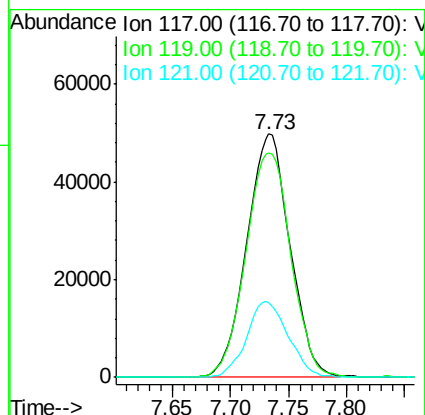
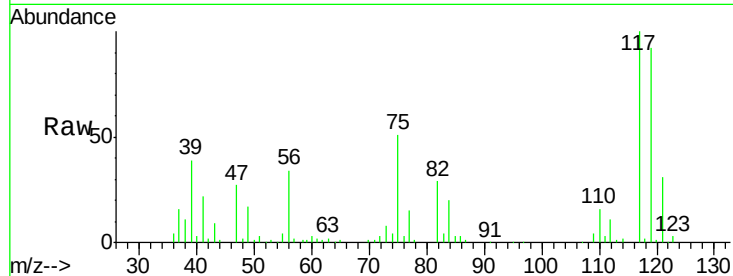
121 30.5 26.2 39.2

Manual Integrations

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#34

Benzene

Concen: 21.781 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

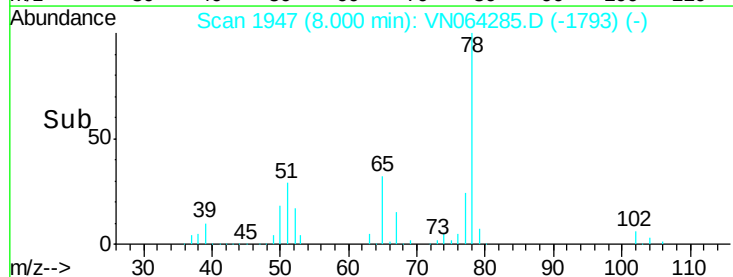
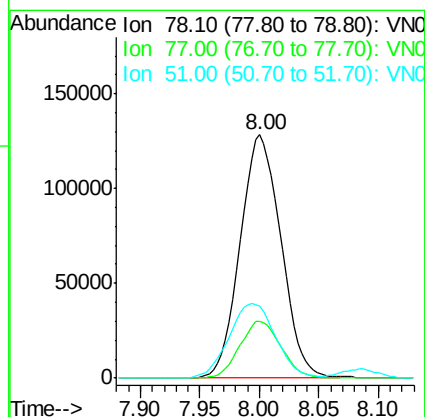
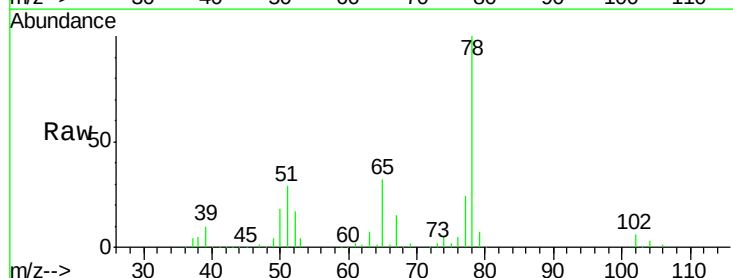
Tgt Ion: 78 Resp: 305303

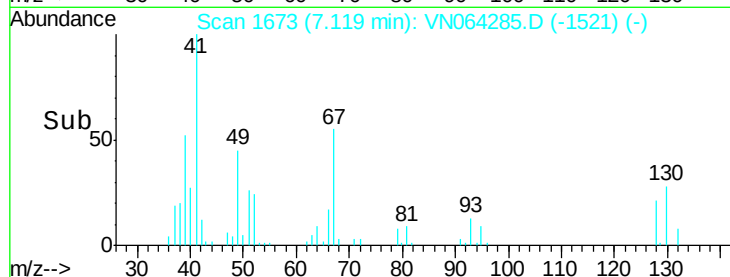
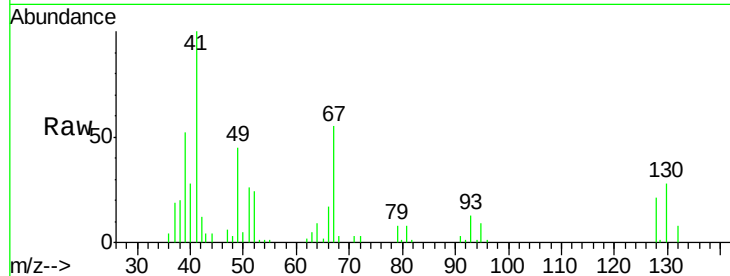
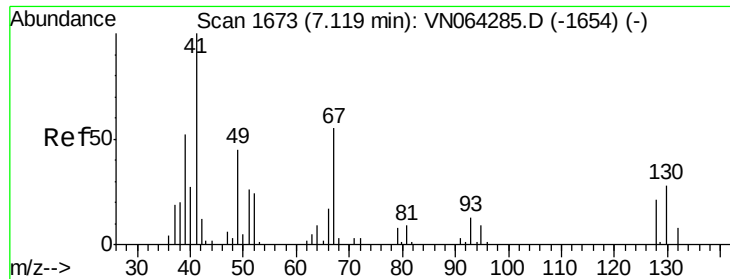
Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8

51 29.0 25.2 37.8





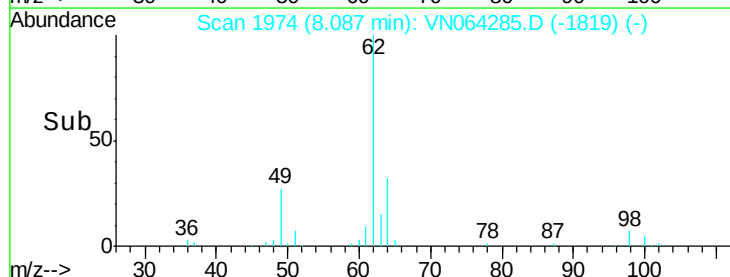
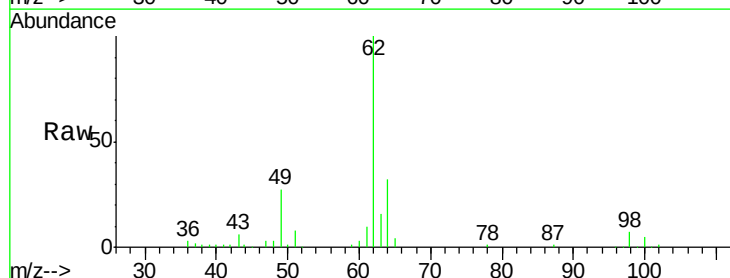
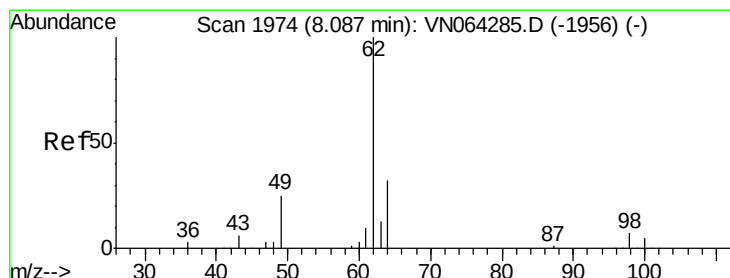
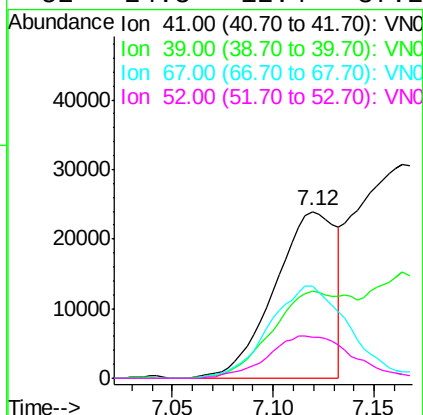
#35
Methacrylonitrile
Concen: 22.688 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tot Ion	41	Resp	50535
Ion Ratio	Lower	Upper	
41	100		
39	52.0	28.0	83.9
67	55.1	29.9	89.8
52	24.3	12.4	37.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

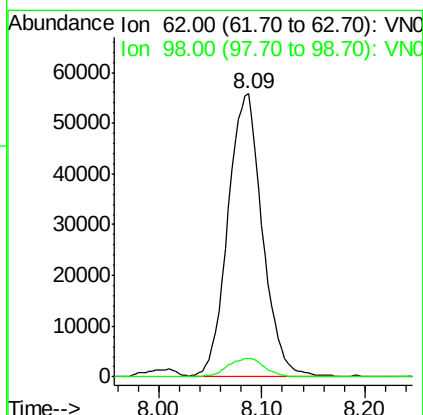
Manual Integrations
APPROVED

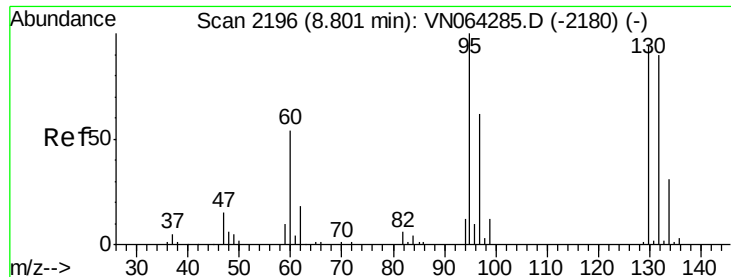
MMDadoda
10/26/2020 1:39:36 PM



#36
1,2-Dichloroethane
Concen: 21.495 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	62	Resp	130150
Ion Ratio	Lower	Upper	
62	100		
98	6.9	5.4	8.0





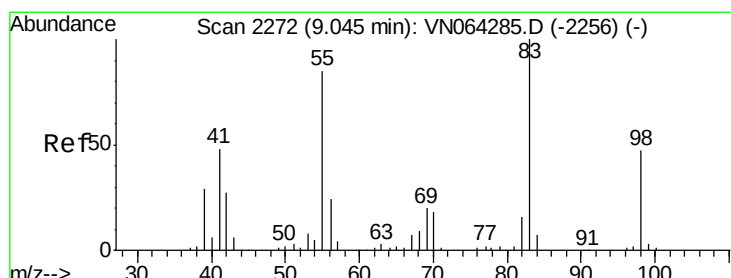
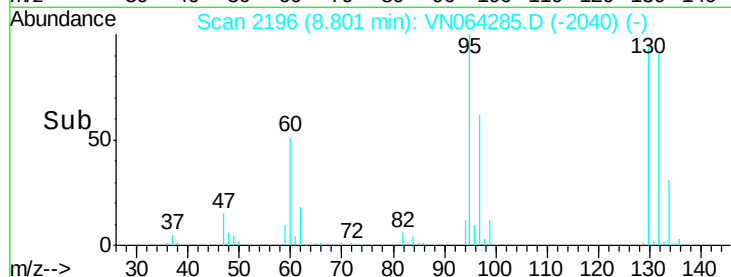
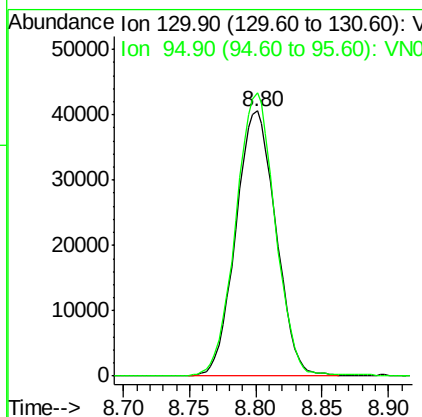
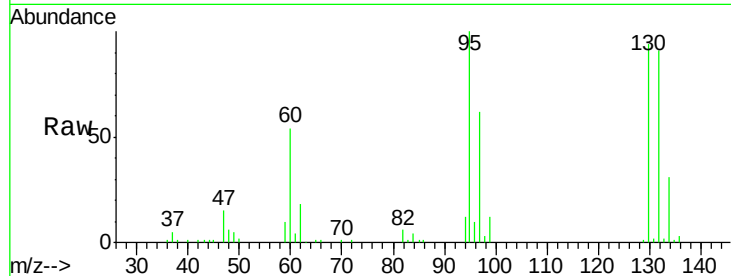
#37
 Trichloroethene
 Concen: 22.255 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 85420
 Ion Ratio Lower Upper
 130 100
 95 106.9 81.2 121.8

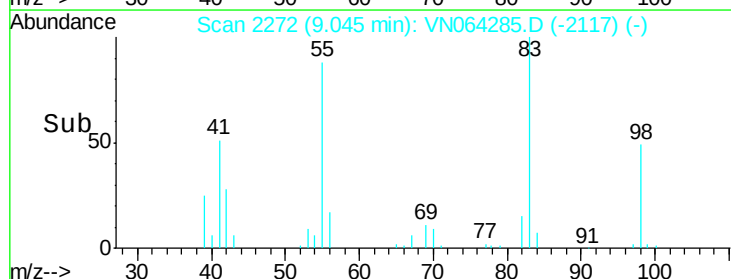
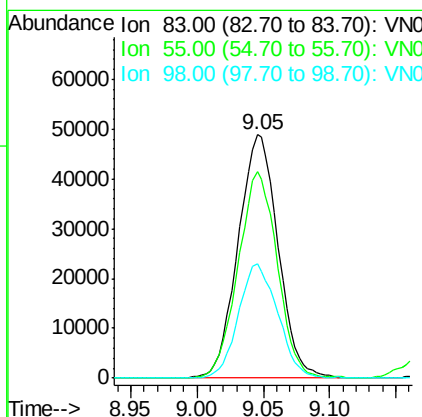
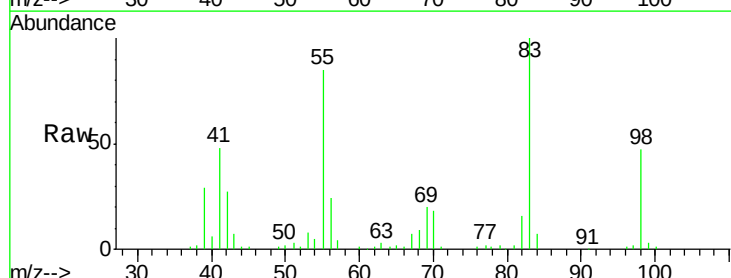
Manual Integrations
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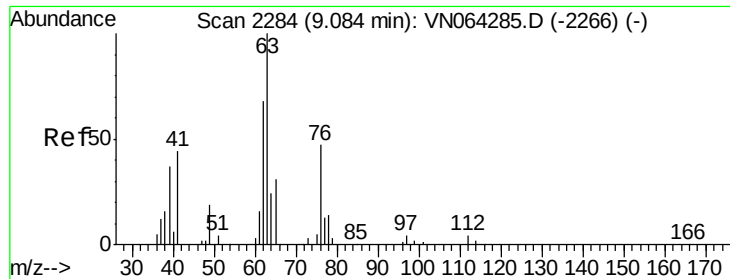
MMDadoda
 10/26/2020 1:39:36 PM



#38
 Methylcyclohexane
 Concen: 21.904 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion: 83 Resp: 102252
 Ion Ratio Lower Upper
 83 100
 55 83.3 40.3 120.9
 98 46.2 25.3 75.8





#39

1,2-Dichloropropane

Concen: 21.649 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 63 Resp: 81716

Ion Ratio Lower Upper

63 100

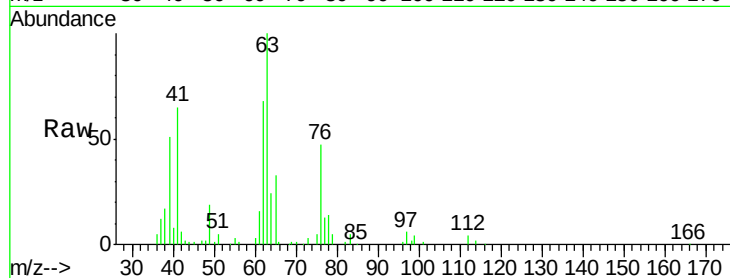
65 32.5 26.1 39.1

Manual Integrations

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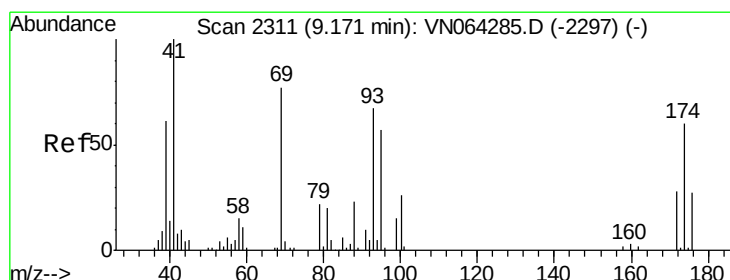
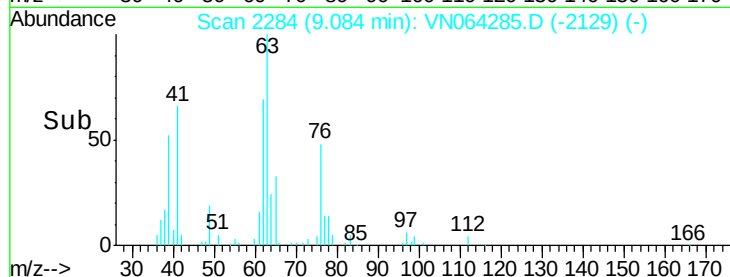
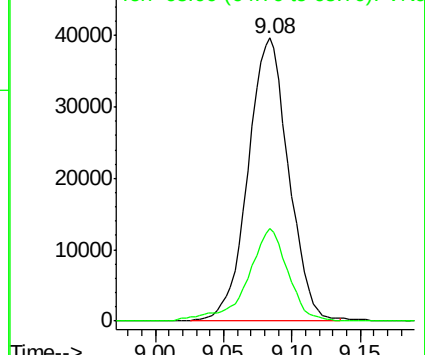
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 22.389 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

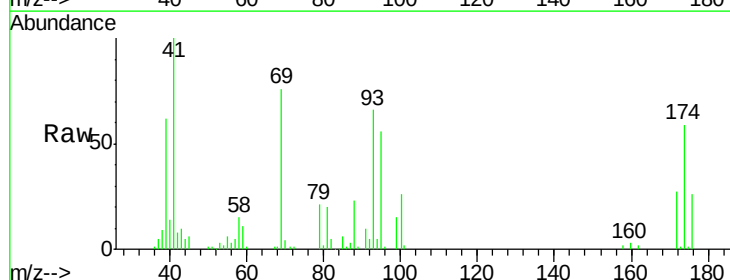
Tgt Ion: 93 Resp: 58879

Ion Ratio Lower Upper

93 100

95 80.8 0.0 156.6

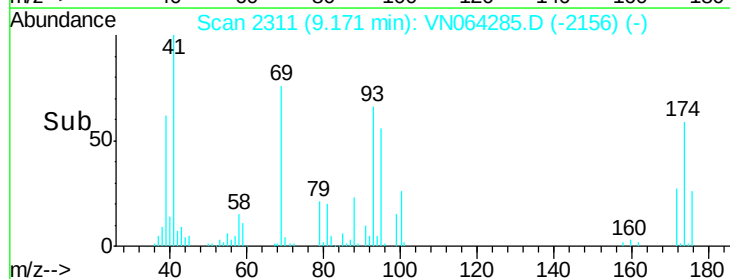
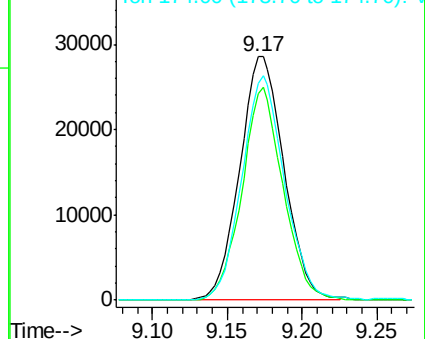
174 89.1 0.0 168.8

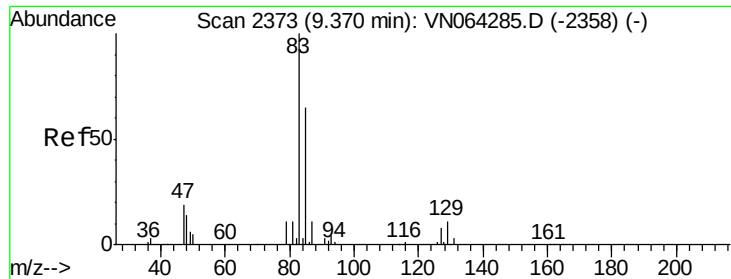


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





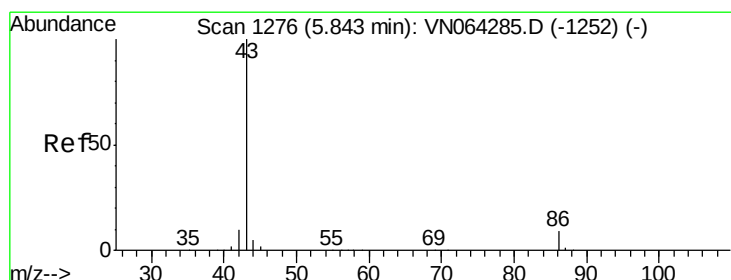
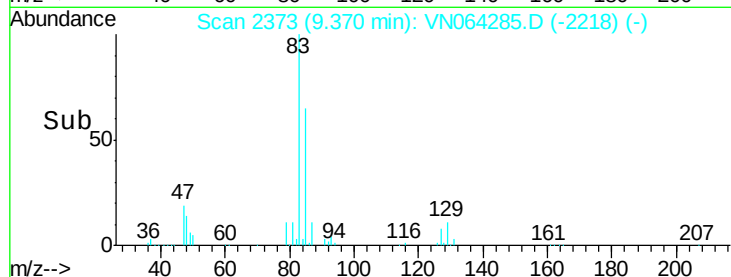
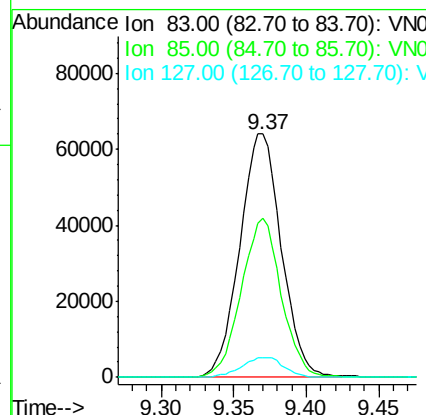
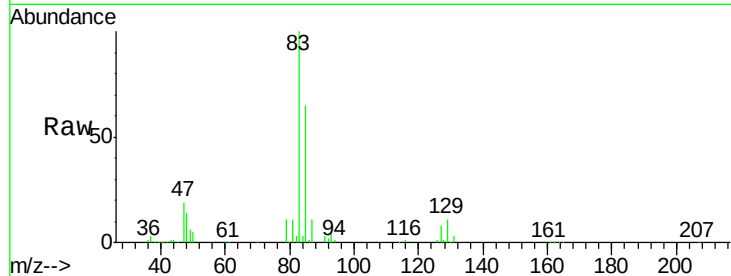
#41
Bromodichloromethane
Concen: 22.555 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	127418
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	57.8	86.6
127	9.2	7.0	10.4

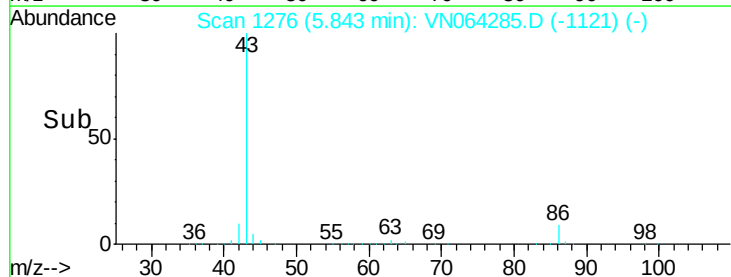
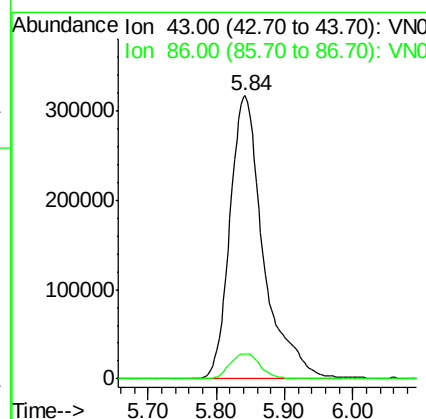
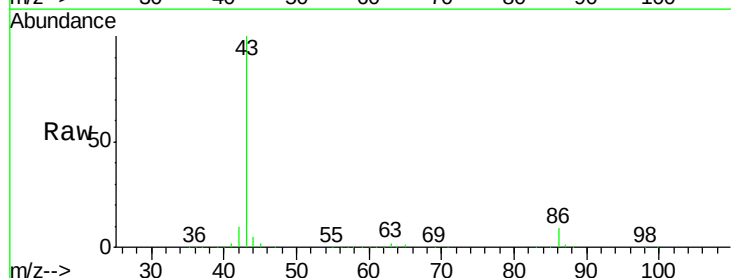
Manual Integrations
APPROVED

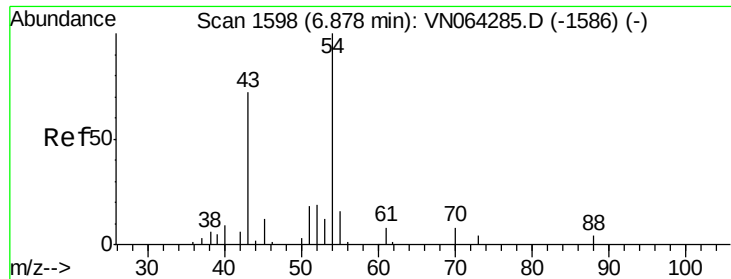
MMDadoda
10/26/2020 1:39:36 PM



#42
Vinyl Acetate
Concen: 108.780 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	43	Resp	1083393
Ion Ratio	100	Lower	Upper
43	100		
86	8.2	6.6	9.8





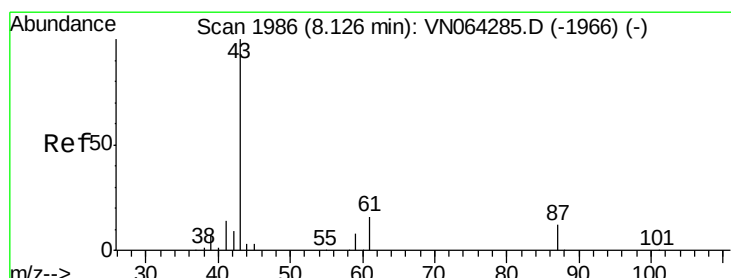
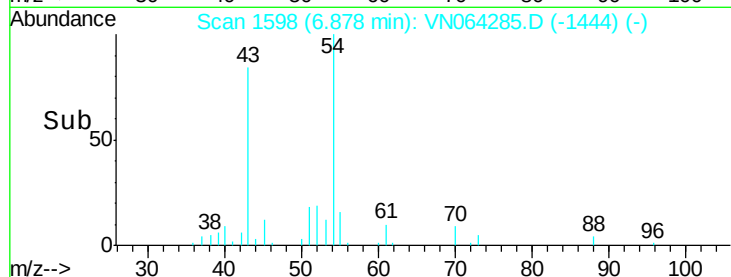
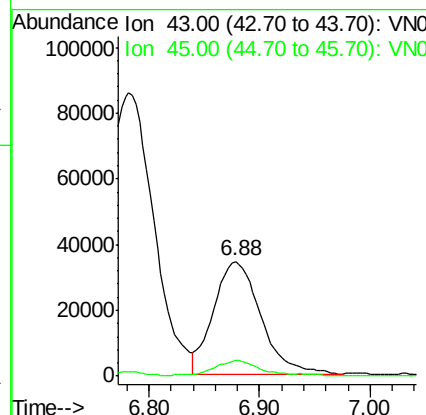
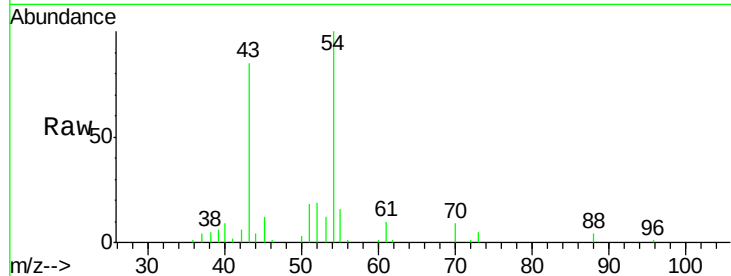
#43
Ethyl Acetate
Concen: 21.534 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 101795
Ion Ratio Lower Upper
43 100
45 11.7 8.2 12.4

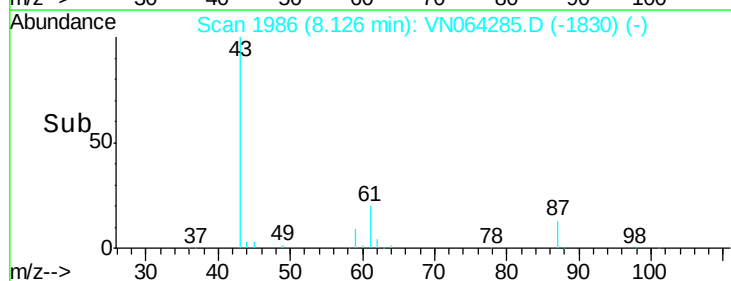
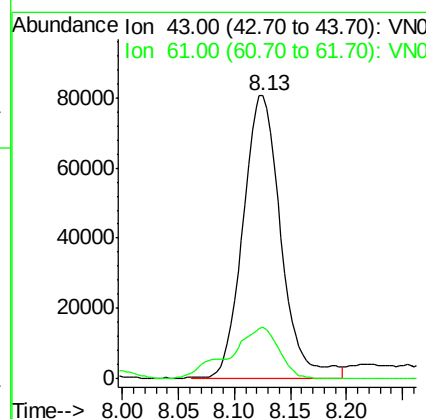
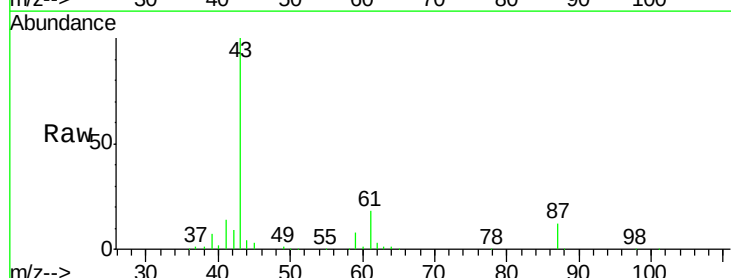
Manual Integrations
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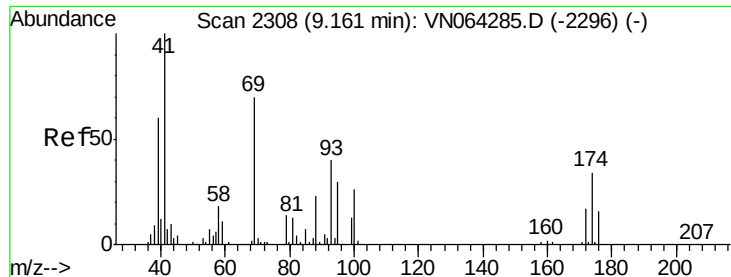
MMDadoda
10/26/2020 1:39:36 PM



#44
Isopropyl Acetate
Concen: 22.416 ug/l m
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion: 43 Resp: 190466
Ion Ratio Lower Upper
43 100
61 0.1 19.9 29.9#





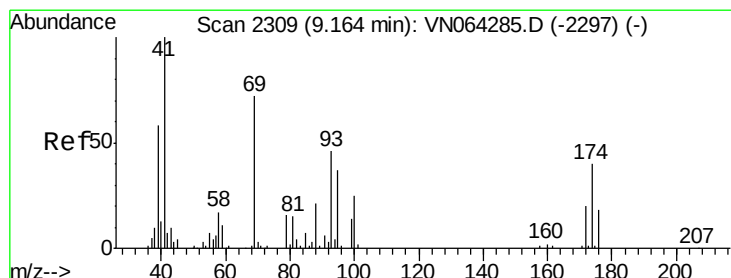
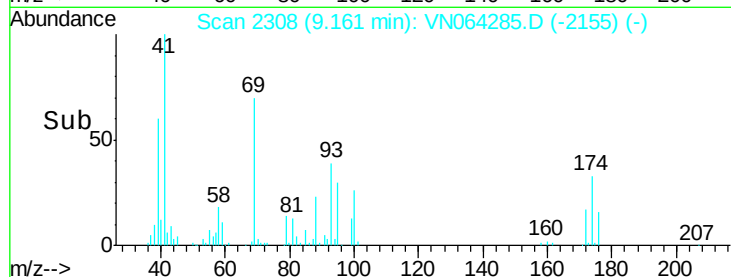
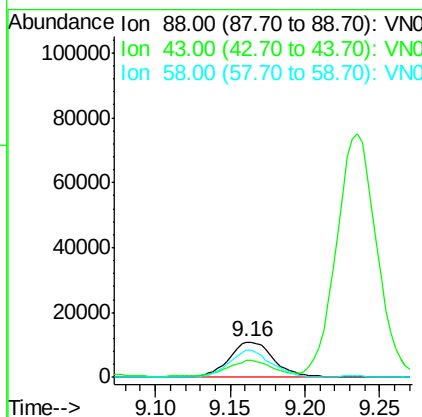
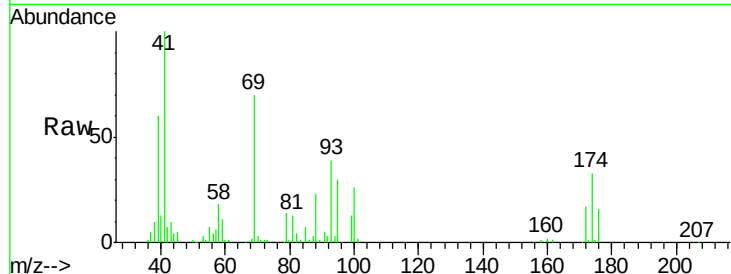
#45
1,4-Dioxane
Concen: 441.514 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.5	34.7	52.1
58	72.5	65.8	98.6

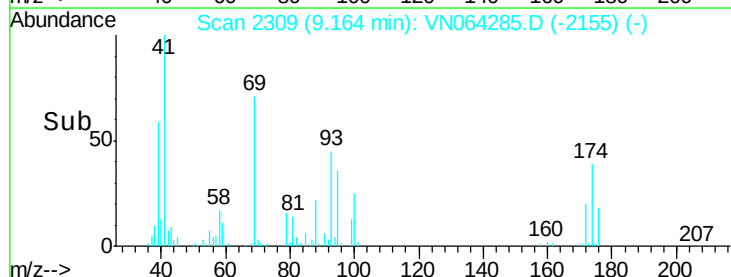
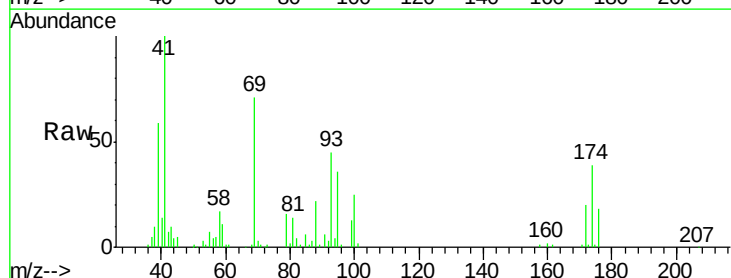
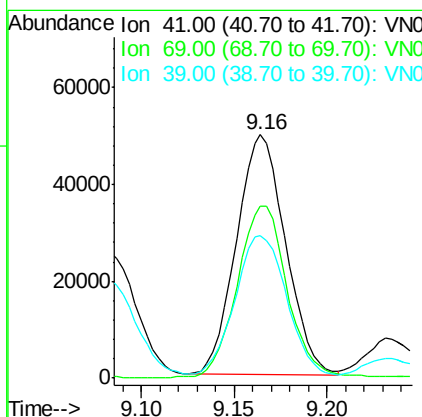
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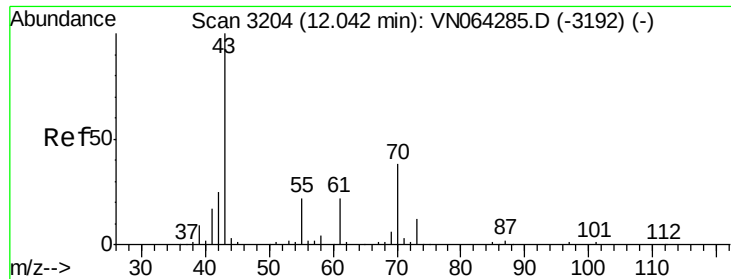
MMDadoda
10/26/2020 1:39:36 PM



#46
Methyl methacrylate
Concen: 21.989 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.5	32.6	97.7
39	58.3	31.1	93.3





#47

n-amvl Acetate

Concen: 20.958 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 154680

Ion Ratio Lower Upper

43 100

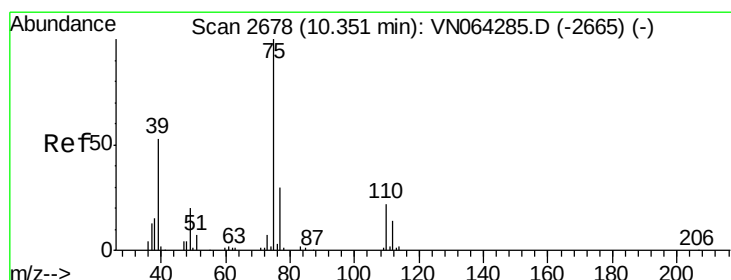
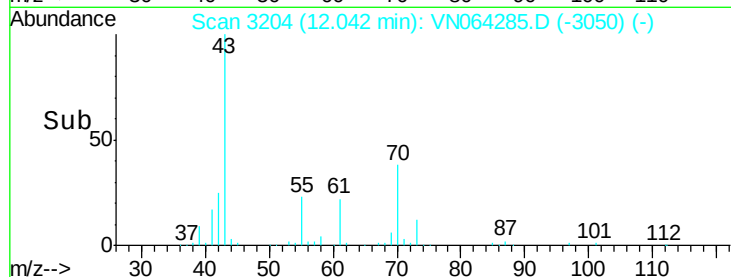
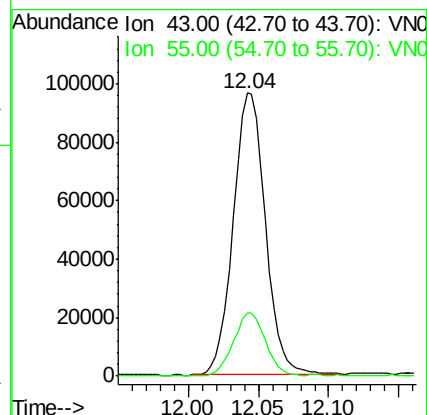
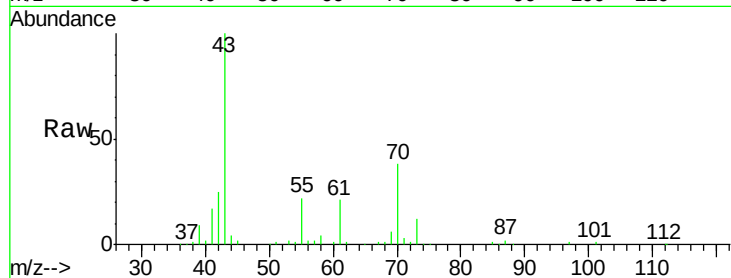
55 22.5 18.2 27.2

Manual Integrations

APPROVED

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#48

t-1,3-Dichloropropene

Concen: 22.155 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064285.D

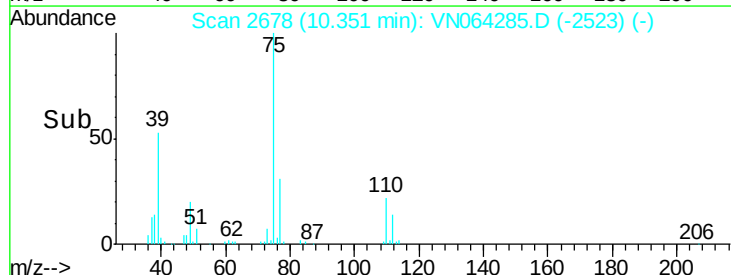
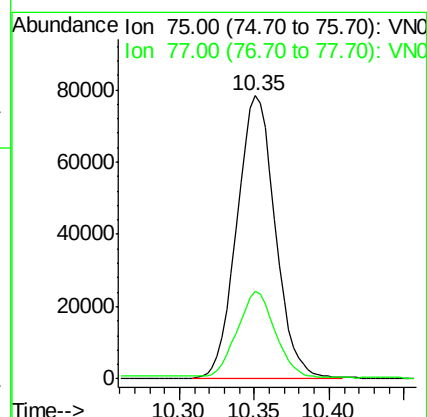
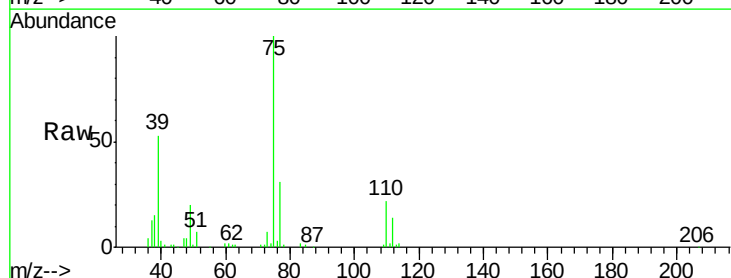
Acq: 23 Oct 2020 13:01

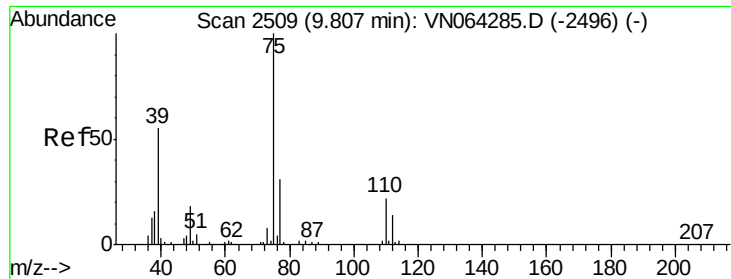
Tgt Ion: 75 Resp: 140504

Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.0





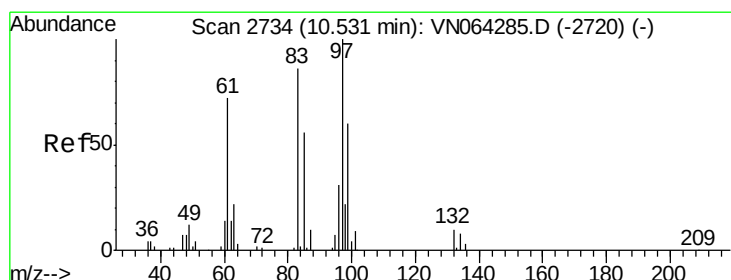
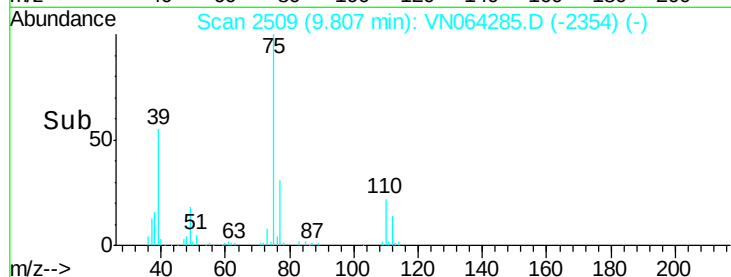
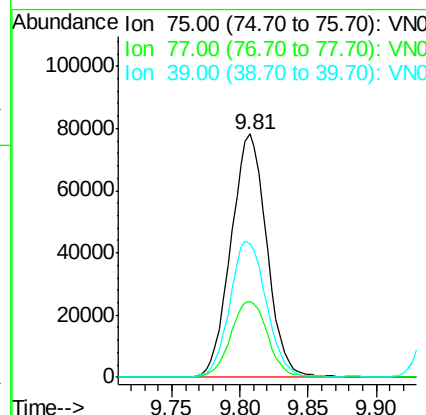
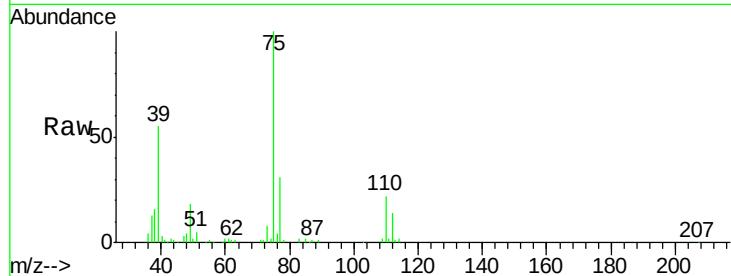
#49
 cis-1,3-Dichloropropene
 Concen: 21.676 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	23.7	35.5
39	54.7	46.9	70.3

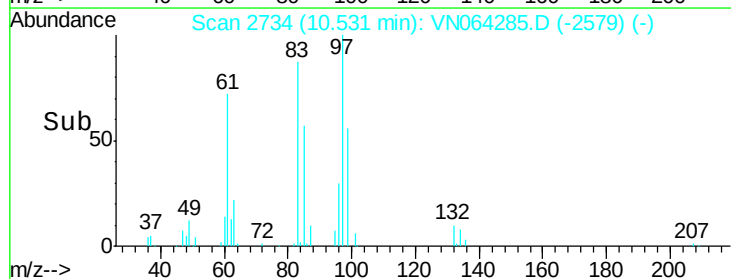
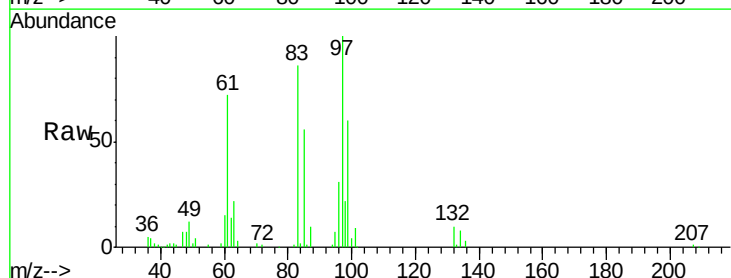
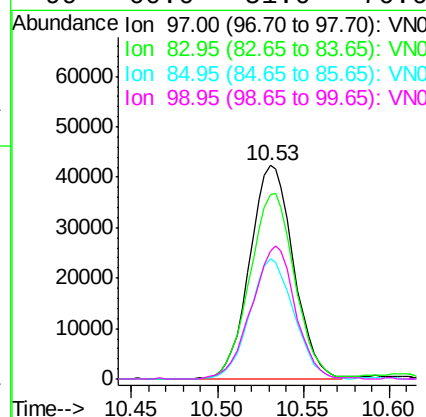
Manual Integrations
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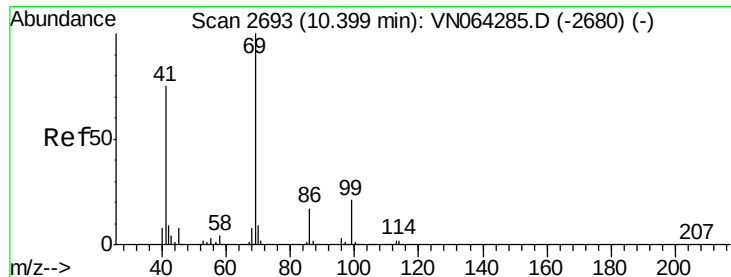
MMDadoda
 10/26/2020 1:39:36 PM



#50
 1,1,2-Trichloroethane
 Concen: 21.596 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.9	103.3
85	56.4	37.8	56.8
99	60.0	51.0	76.6





#51

Ethyl methacrylate

Concen: 21.247 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

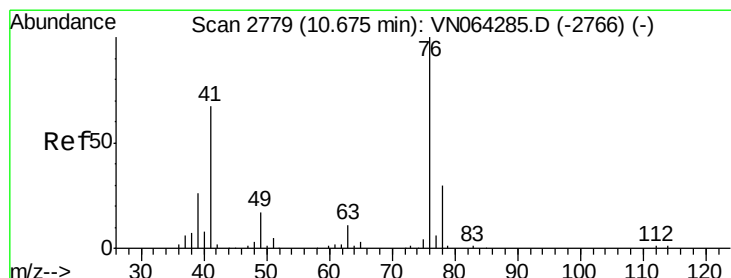
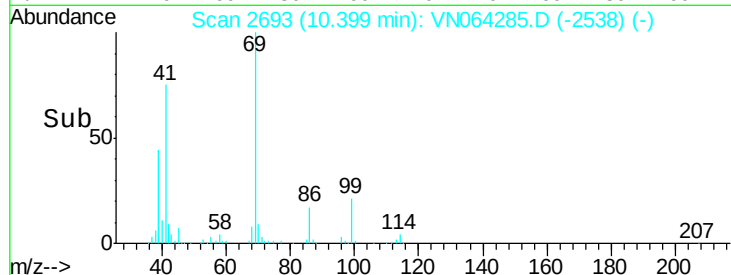
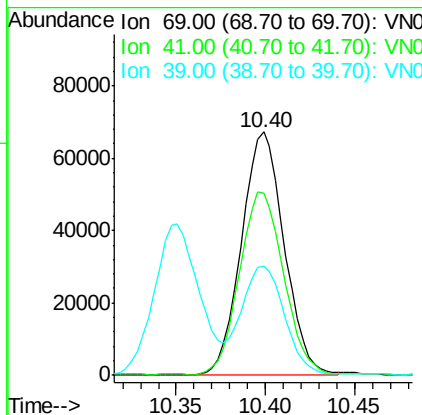
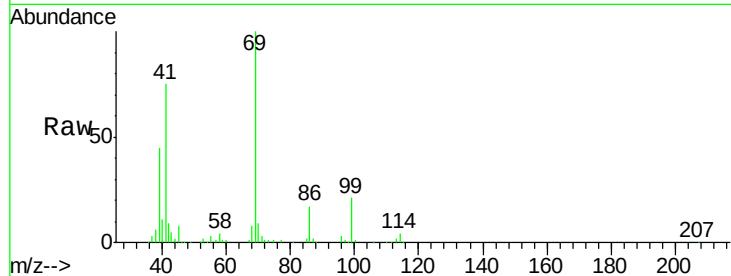
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	112472
Ion	Ratio	Lower	Upper
69	100		
41	74.6	43.6	130.9
39	44.1	25.8	77.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 22.103 ug/l

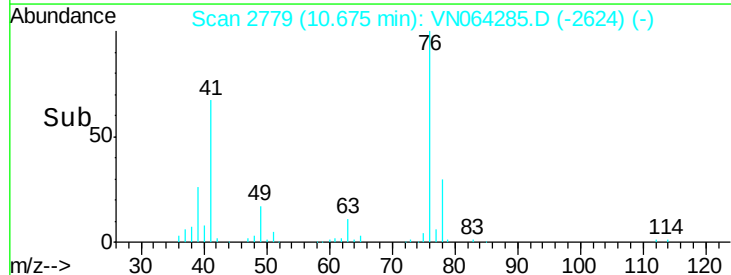
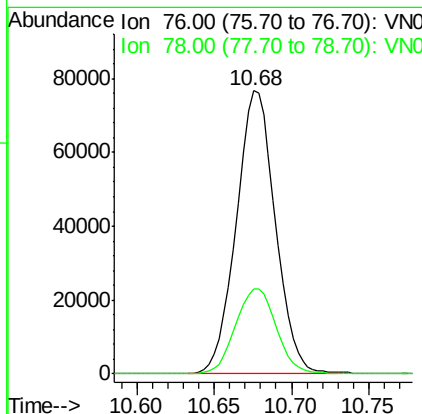
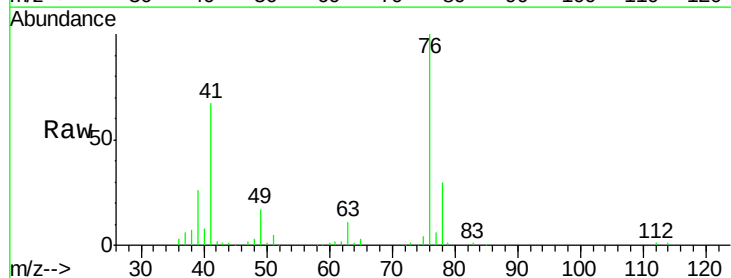
RT: 10.68 min Scan# 2779

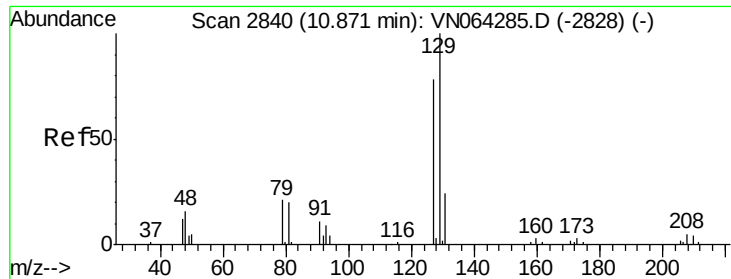
Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Tgt Ion:	76	Resp:	134624
Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	64.6





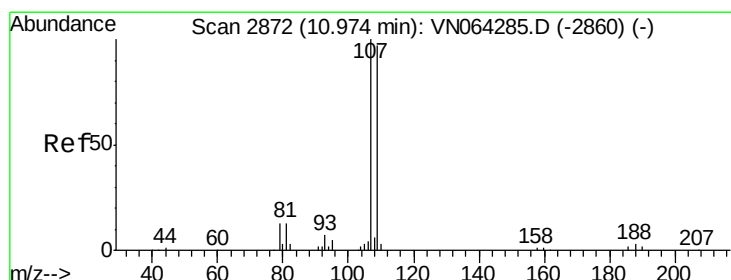
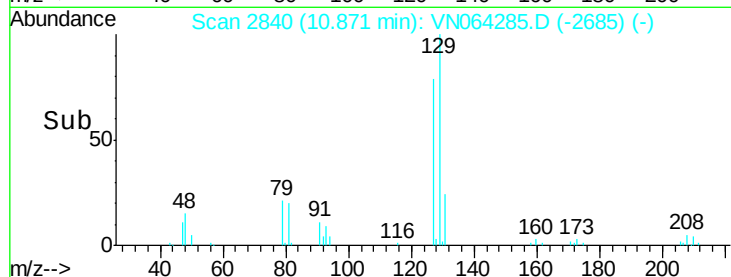
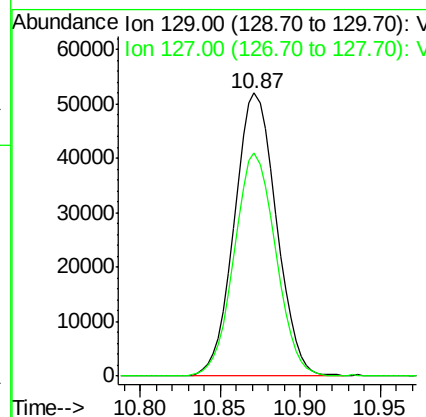
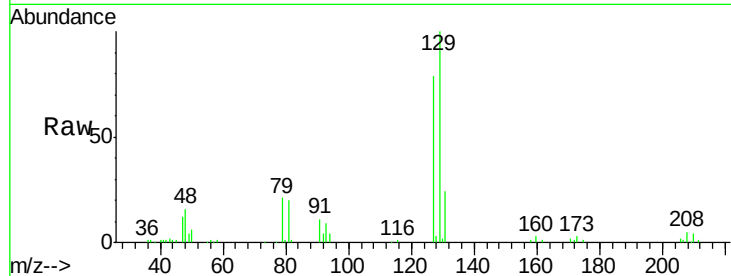
#53
 Dibromochloromethane
 Concen: 21.786 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:129 Resp: 93047
 Ion Ratio Lower Upper
 129 100
 127 78.0 42.4 127.2

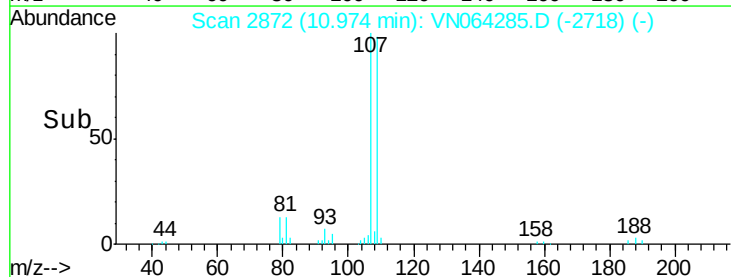
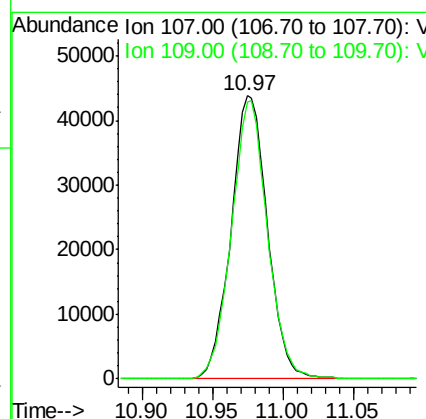
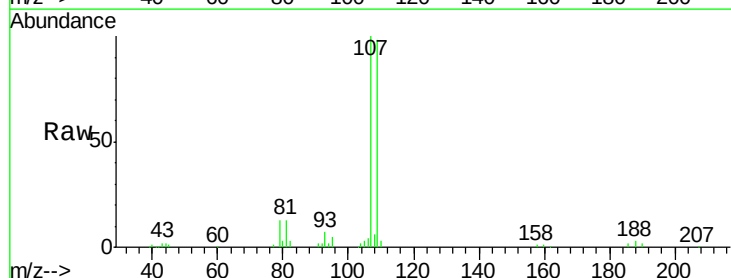
Manual Integrations
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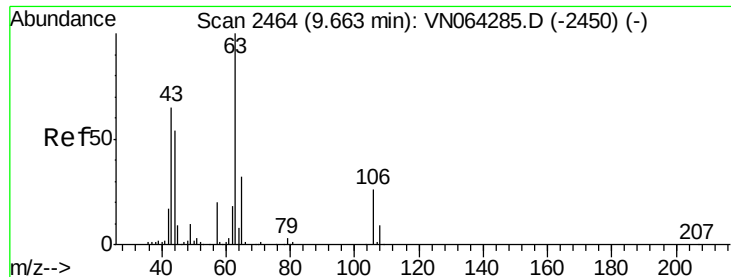
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 21.469 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion:107 Resp: 79254
 Ion Ratio Lower Upper
 107 100
 109 97.1 75.7 113.5





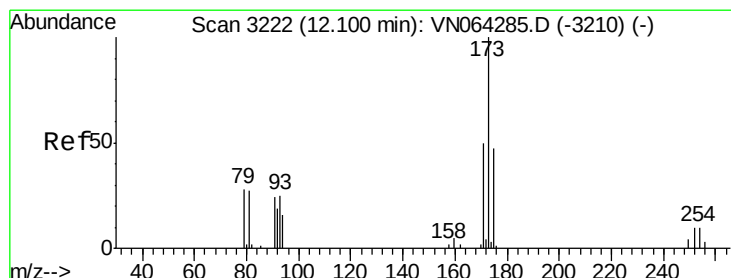
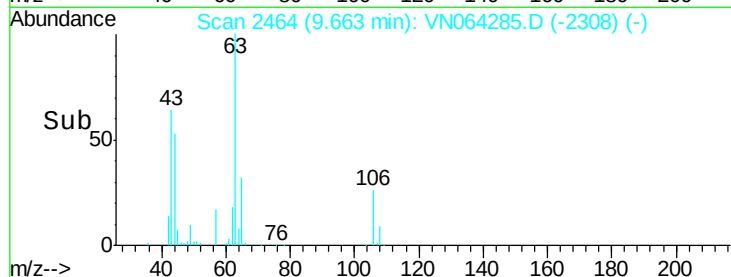
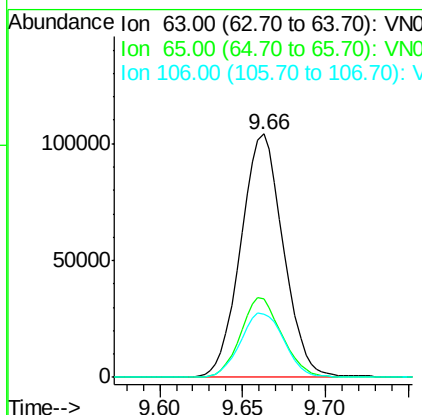
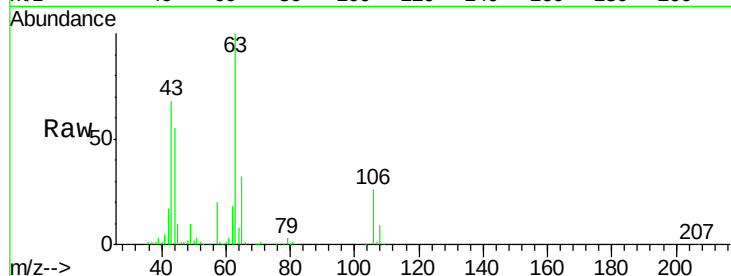
#55
 2-Chloroethyl vinyl ether
 Concen: 71.955 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.2	37.8
106	27.2	20.6	31.0

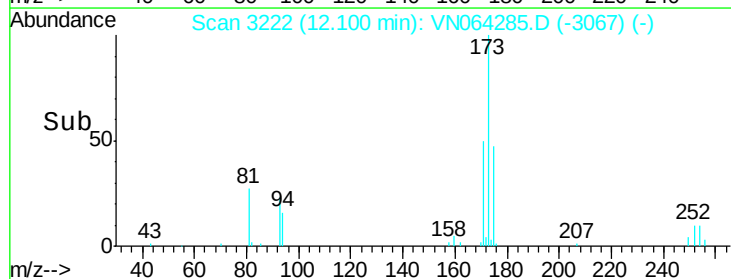
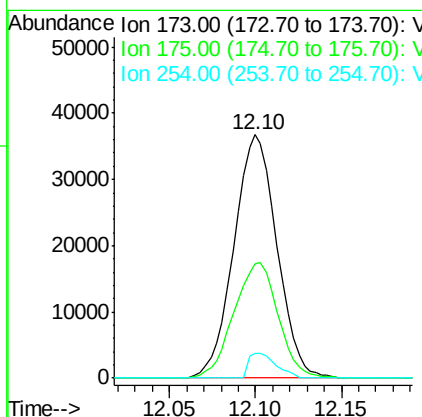
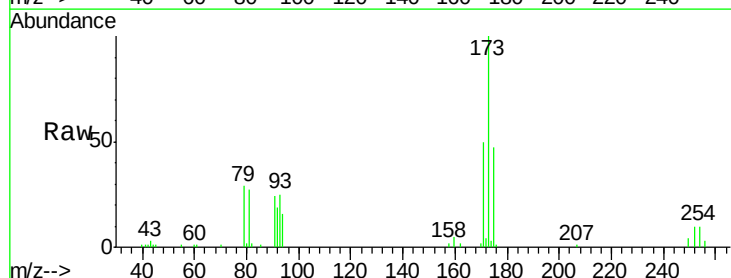
Manual Integrations
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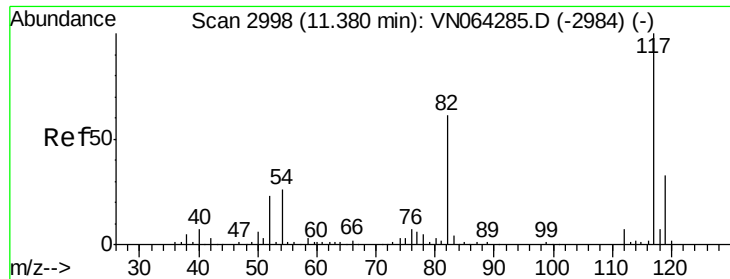
MMDadoda
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#56
 Bromoform
 Concen: 20.951 ug/l
 RT: 12.10 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.5	59.3
254	6.5	5.0	7.4





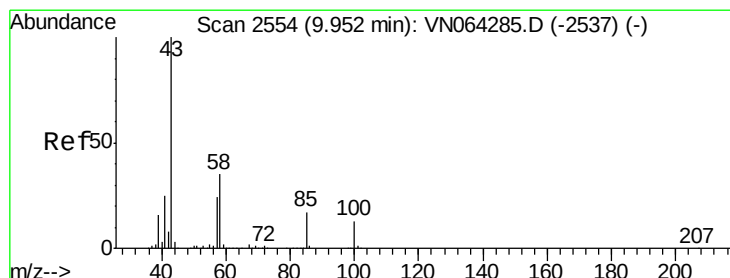
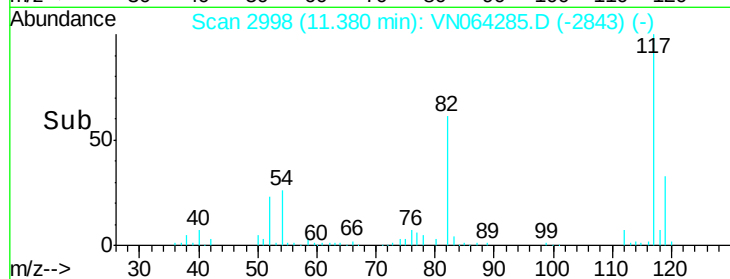
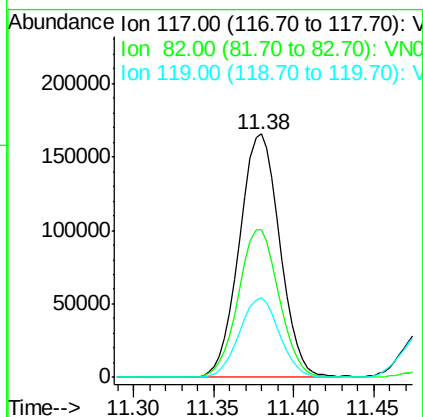
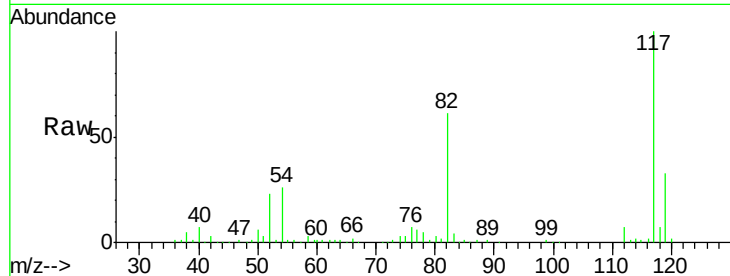
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	47.0	70.6
119	32.5	24.6	37.0

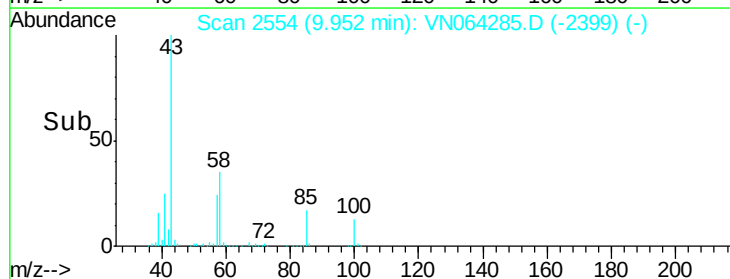
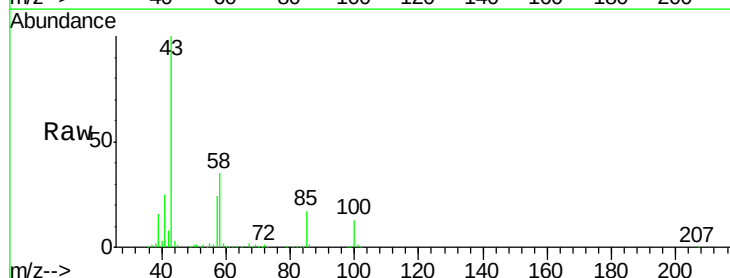
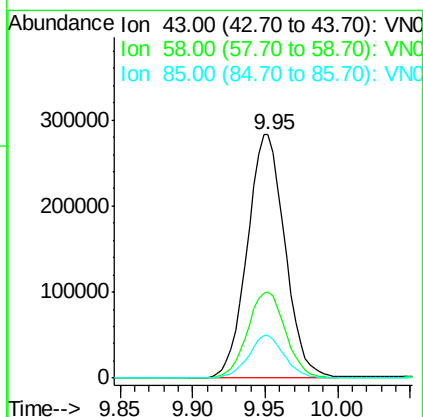
Manual Integrations
APPROVED

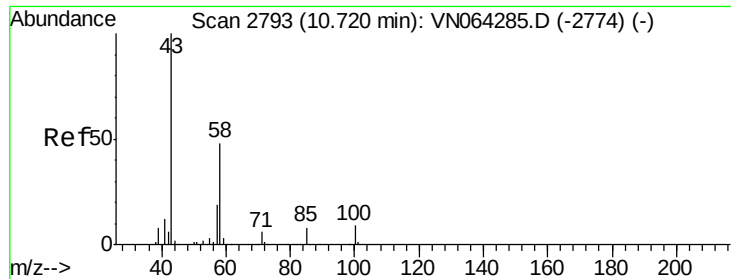
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 110.131 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.6	43.0
85	16.8	13.7	20.5





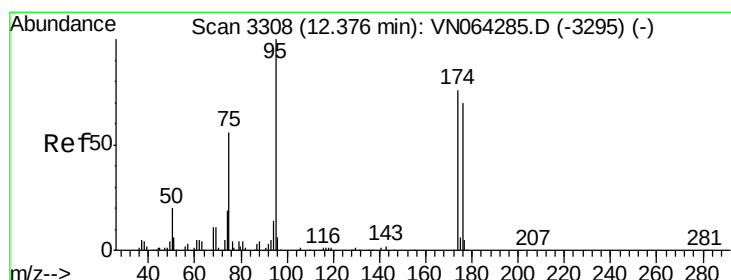
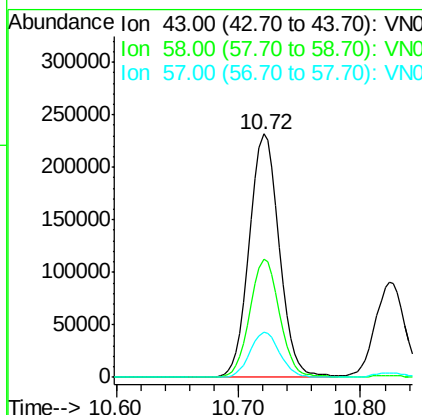
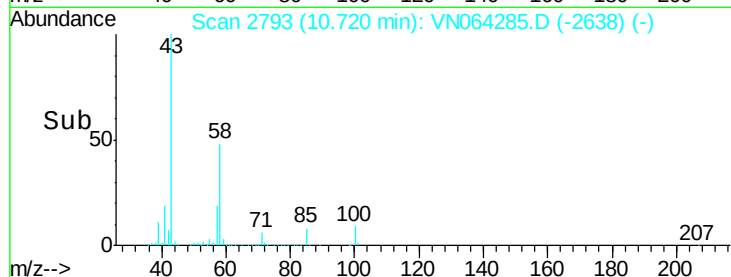
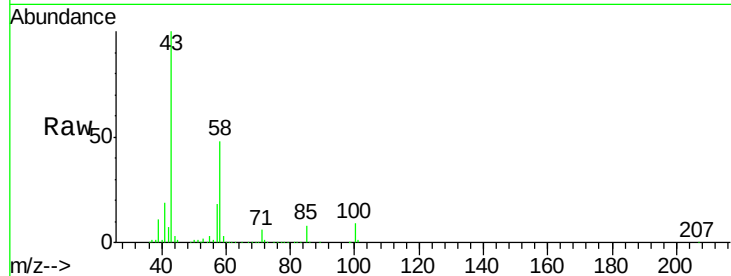
#59
2-Hexanone
Concen: 111.712 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.7	40.5	60.7
57	18.7	15.4	23.0

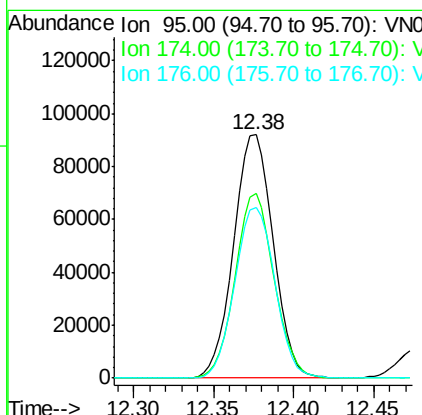
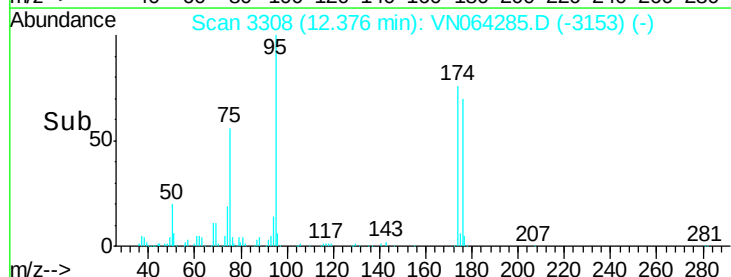
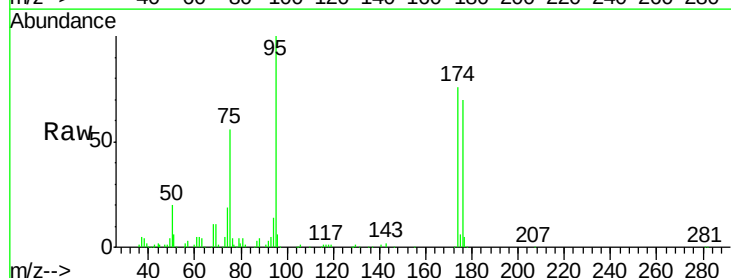
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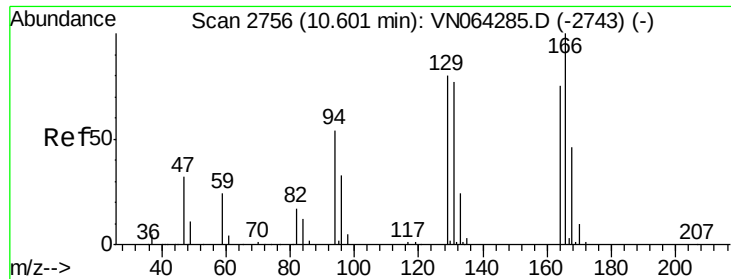
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.797 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.2	57.9	86.9
176	70.9	56.7	85.1





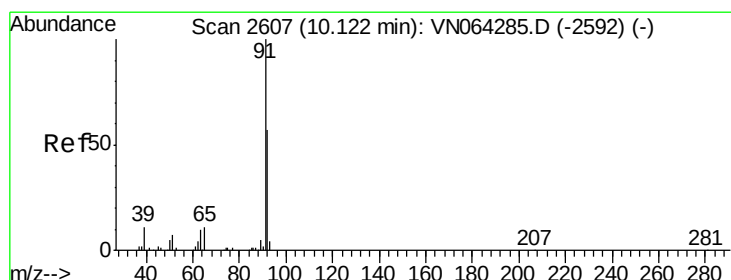
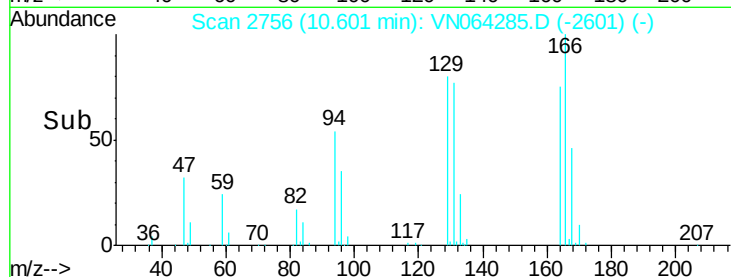
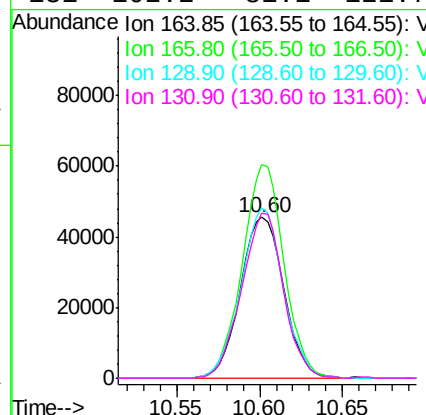
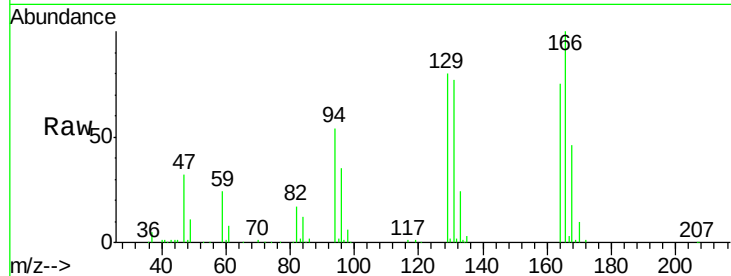
#61
Tetrachloroethene
Concen: 22.310 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	132.6	107.4	161.0
129	105.5	84.3	126.5
131	102.2	81.1	121.7

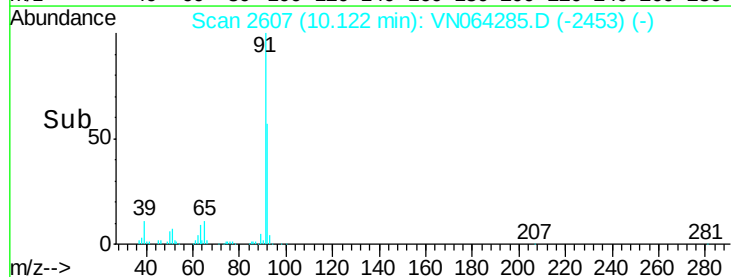
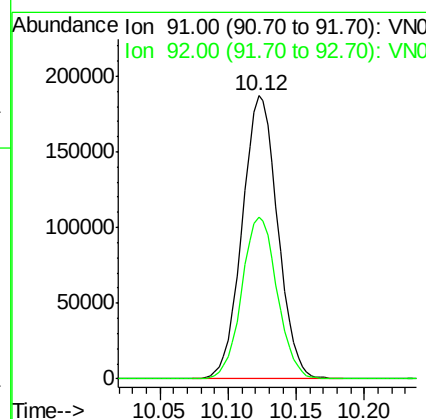
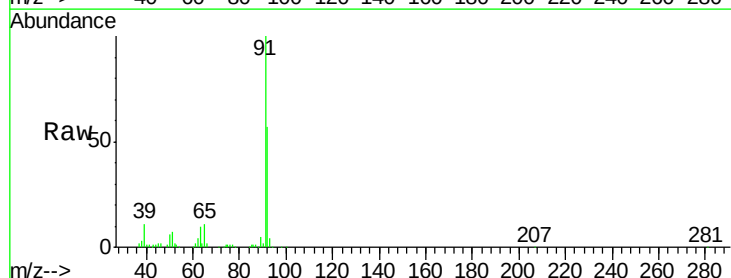
Manual Integrations
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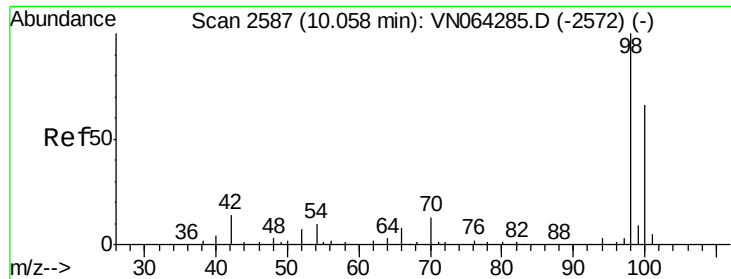
MMDadoda
10/26/2020 1:39:36 PM



#62
Toluene
Concen: 21.947 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.0	46.4	69.6





#63

Toluene-d8

Concen: 30.383 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 387967

Ion Ratio Lower Upper

98 100

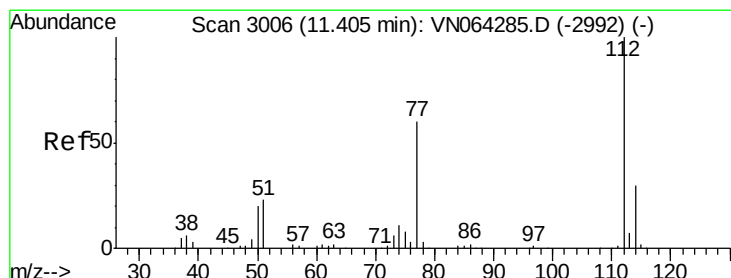
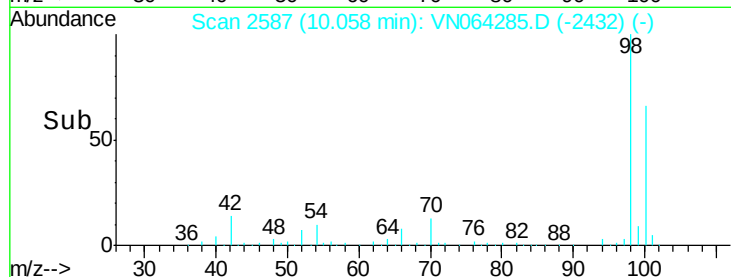
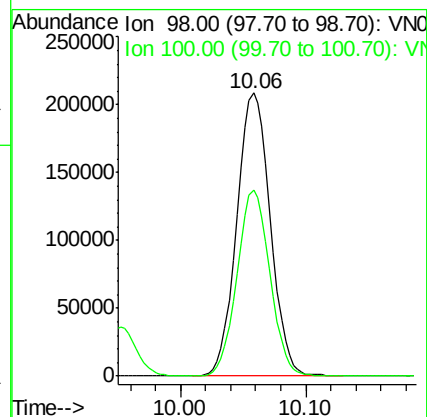
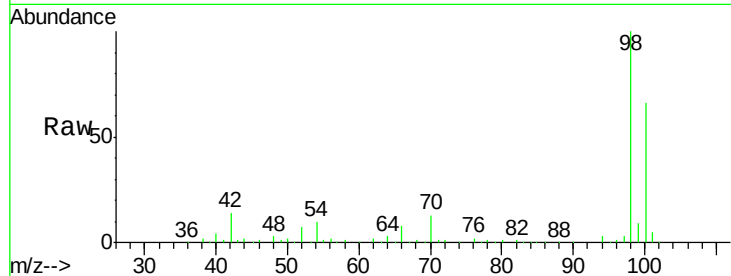
100 64.3 51.7 77.5

Manual Integrations

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#64

Chlorobenzene

Concen: 22.506 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064285.D

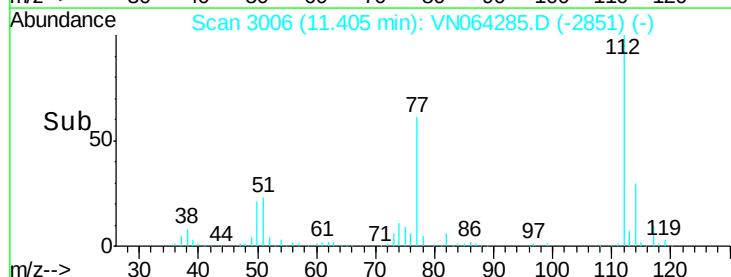
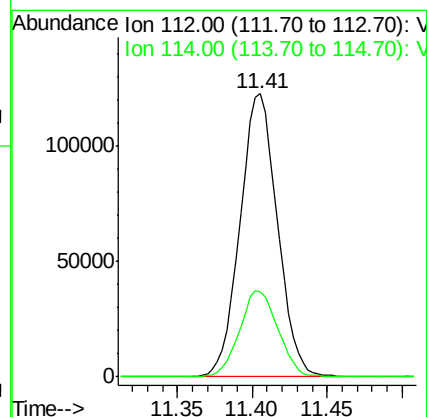
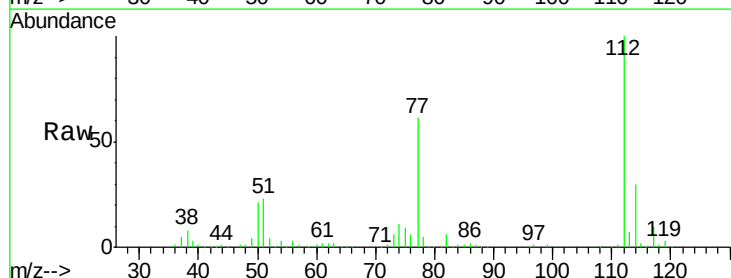
Acq: 23 Oct 2020 13:01

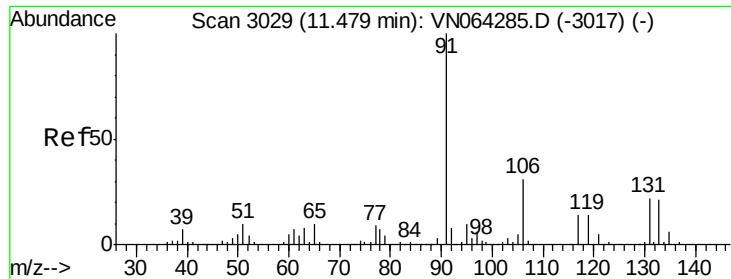
Tgt Ion: 112 Resp: 213680

Ion Ratio Lower Upper

112 100

114 30.1 26.5 39.7





#65

1,1,1,2-Tetrachloroethane

Concen: 22.024 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:131 Resp: 83919

Ion Ratio Lower Upper

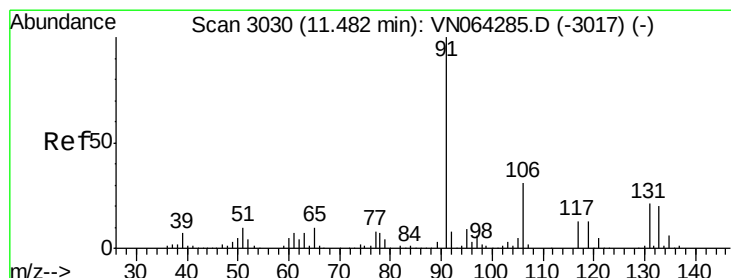
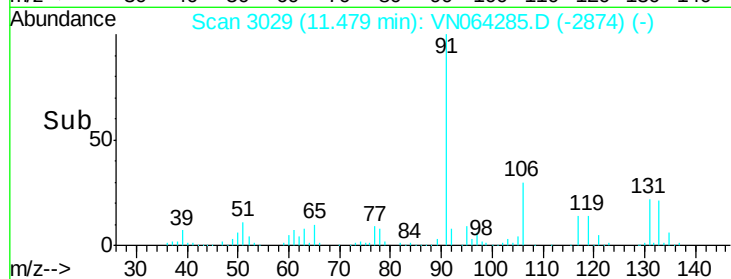
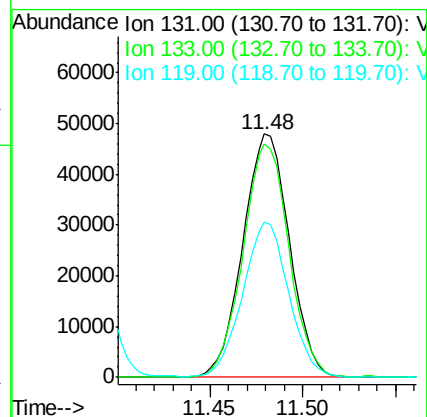
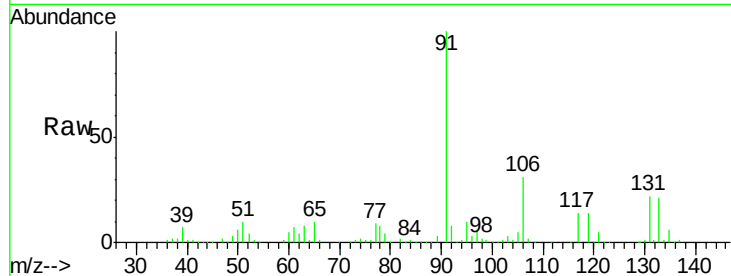
131 100

133 94.6 0.0 193.4

119 63.2 0.0 125.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.725 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064285.D

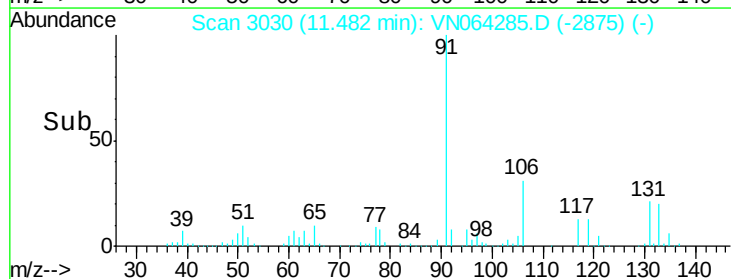
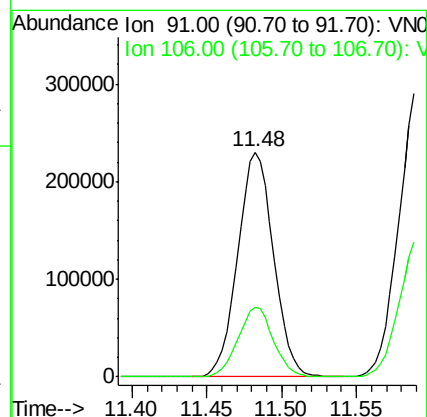
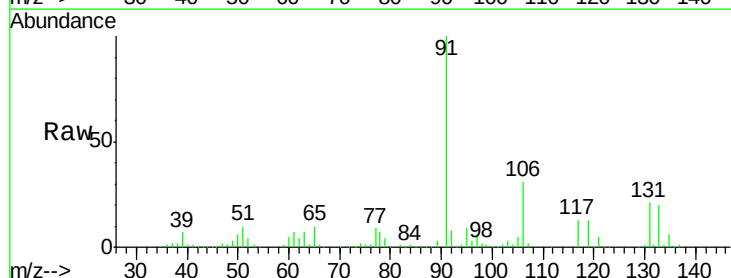
Acq: 23 Oct 2020 13:01

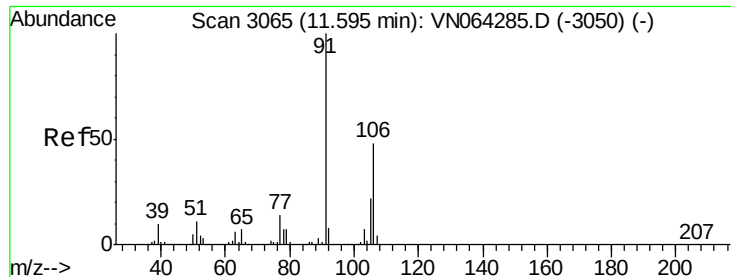
Tgt Ion: 91 Resp: 383761

Ion Ratio Lower Upper

91 100

106 31.2 23.8 35.6





#67

m/p-Xylenes

Concen: 43.867 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:106 Resp: 286547

Ion Ratio Lower Upper

106 100

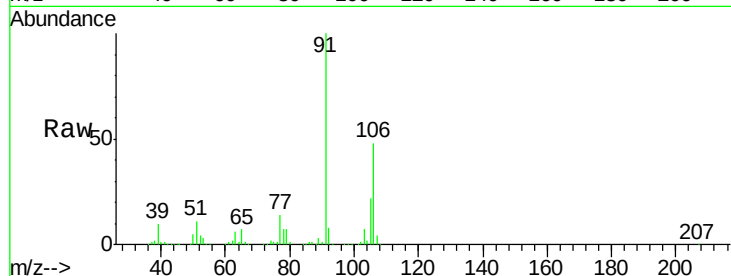
91 211.3 170.6 255.8

Manual Integrations

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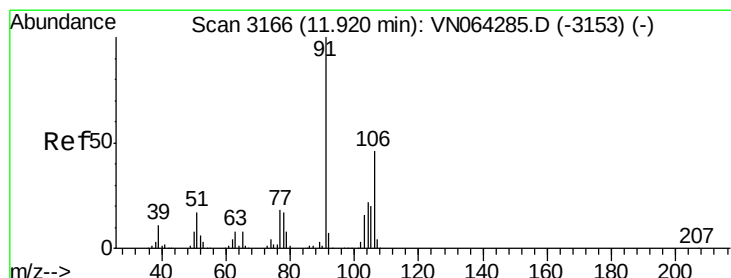
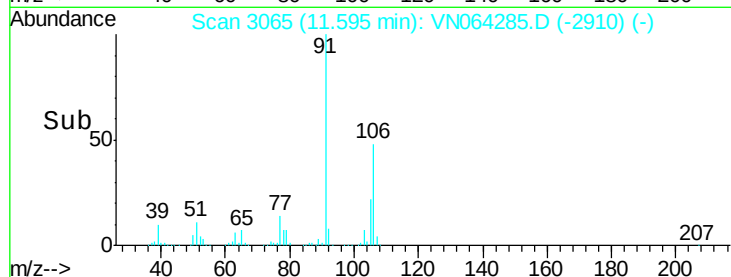
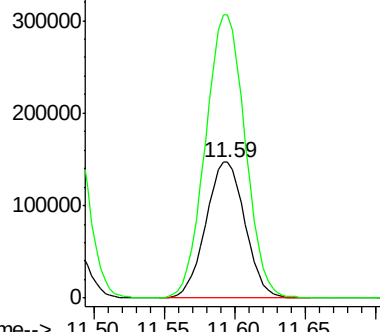
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 21.997 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064285.D

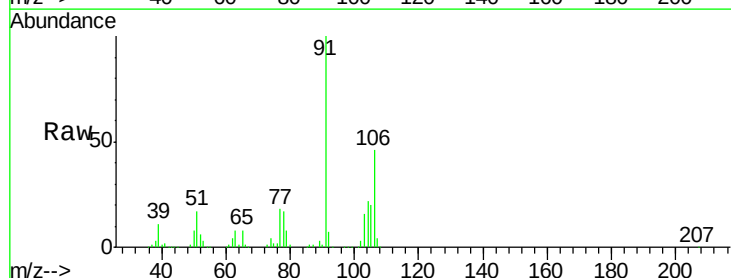
Acq: 23 Oct 2020 13:01

Tgt Ion:106 Resp: 138939

Ion Ratio Lower Upper

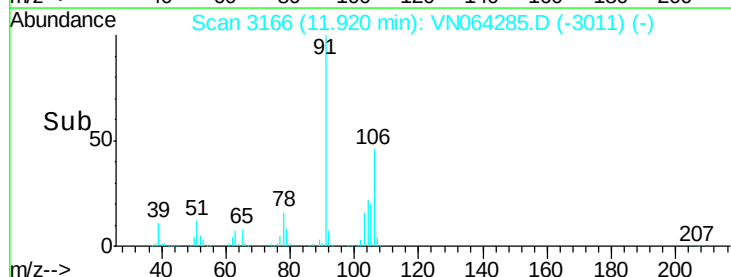
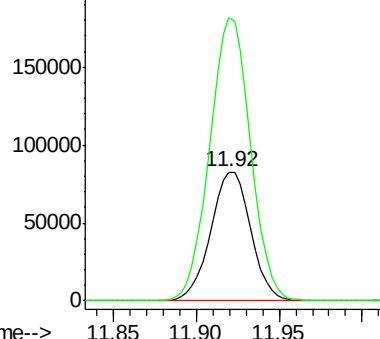
106 100

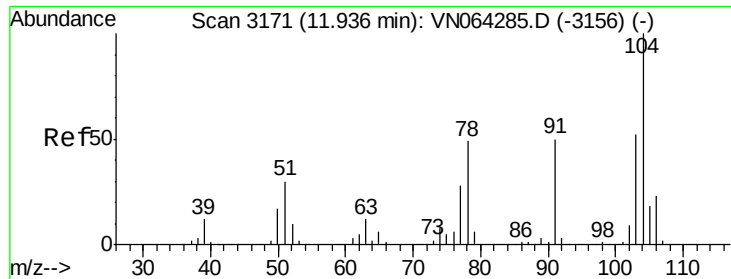
91 223.0 115.3 346.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





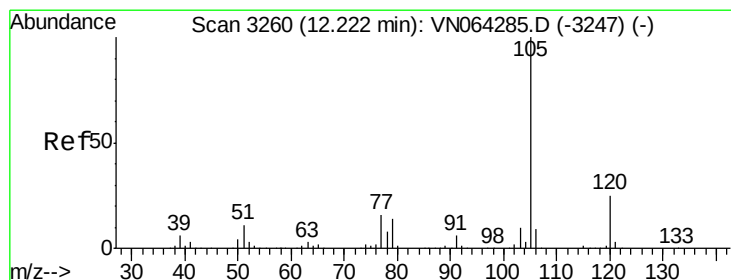
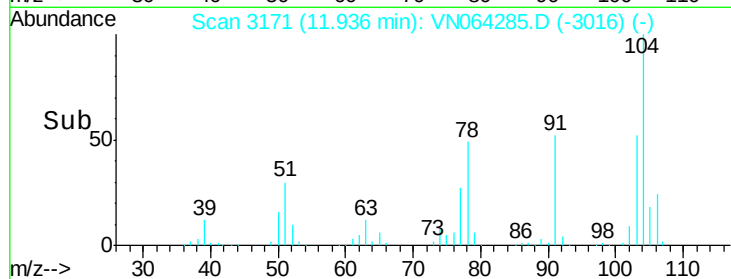
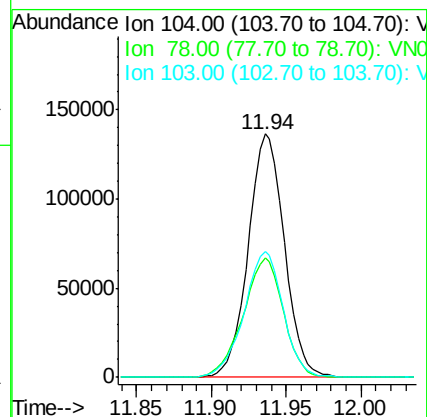
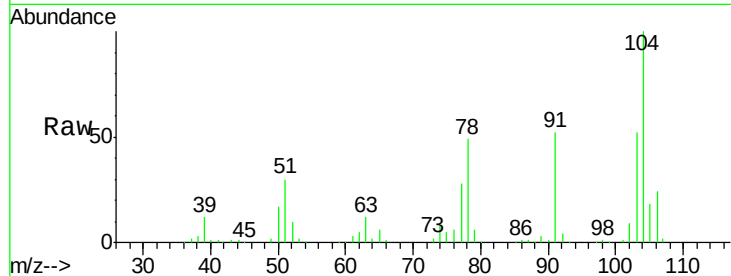
#69
Stvrene
Concen: 21.813 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.6	45.4	68.2
103	55.8	44.6	67.0

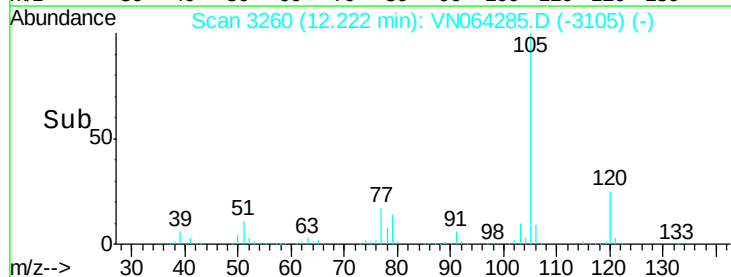
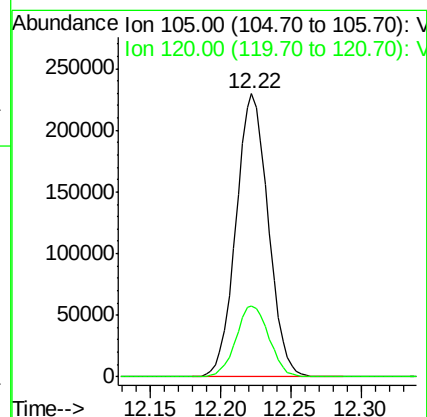
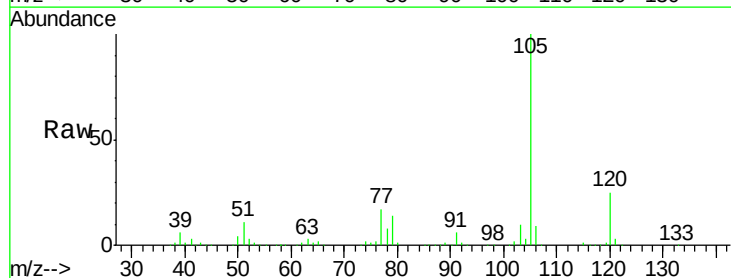
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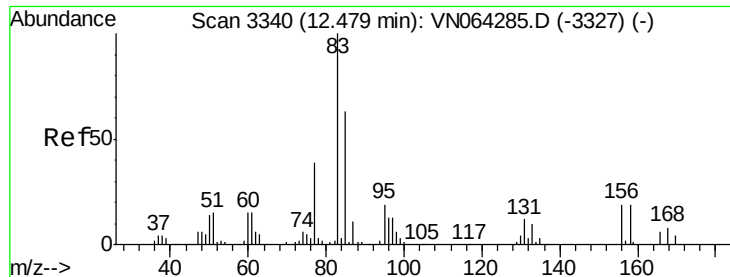
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#70
Isopropylbenzene
Concen: 21.953 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.6	34.5





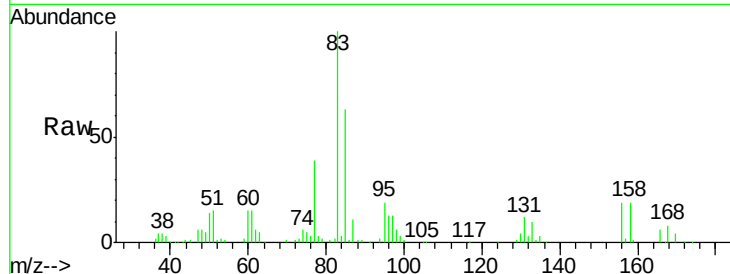
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.624 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

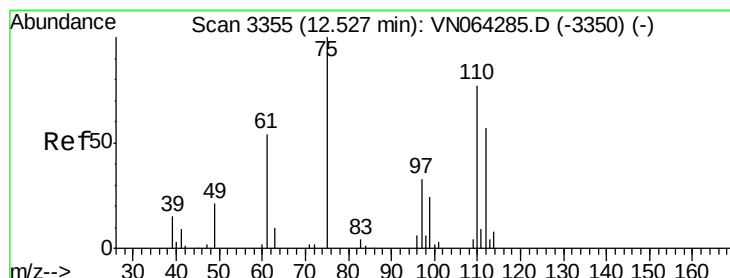
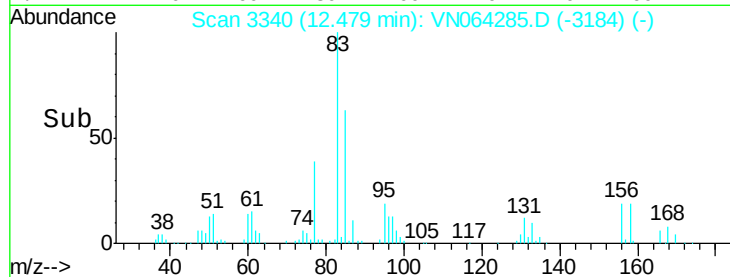
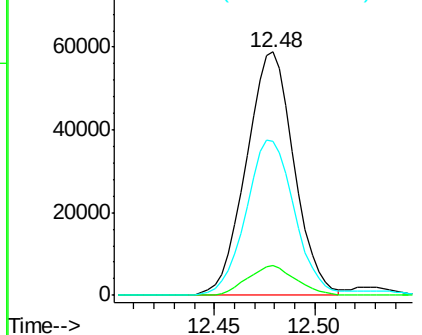
Tot Ion	83	Resp	97583
Ion Ratio	100	Lower	Upper
83	100		
131	12.4	5.7	17.0
85	64.7	33.3	99.8

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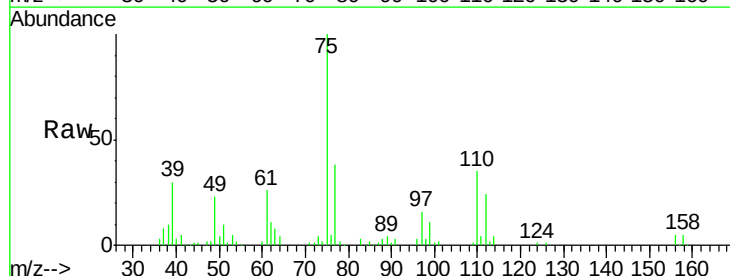


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

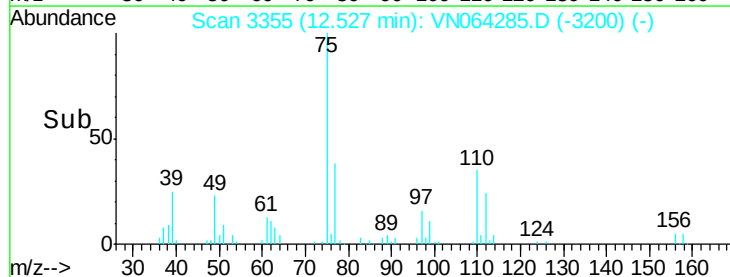
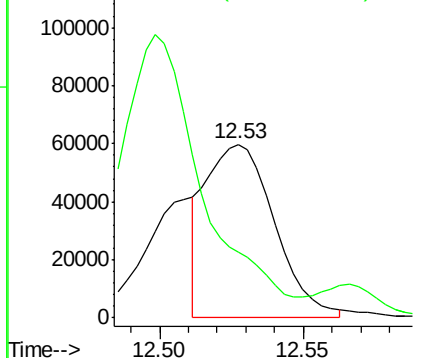


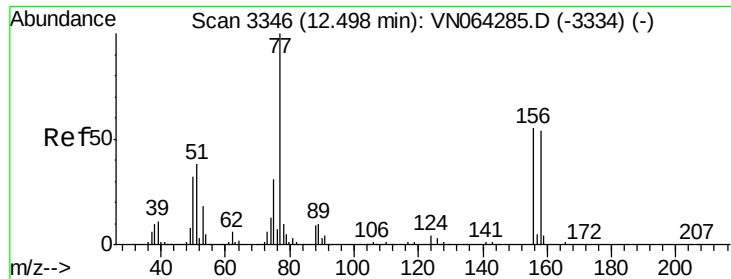
#72
 1,2,3-Trichloropropane
 Concen: 21.254 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	75	Resp	99482
Ion Ratio	100	Lower	Upper
75	100		
77	195.9	0.0	365.2



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 21.905 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

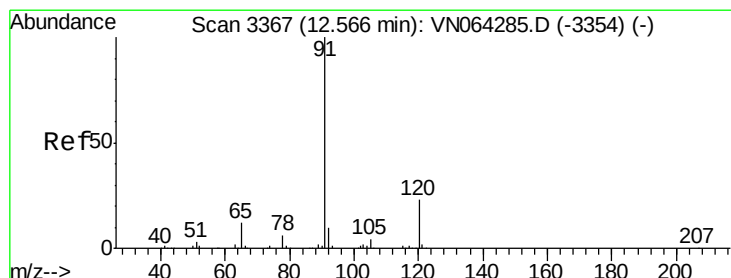
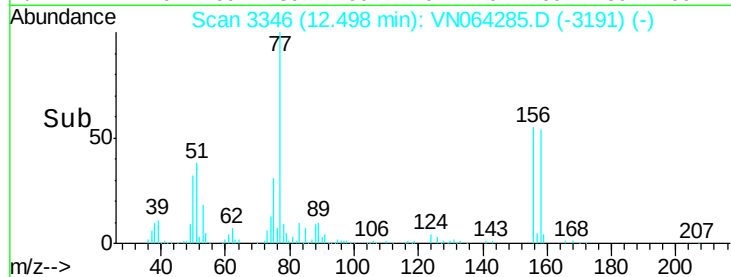
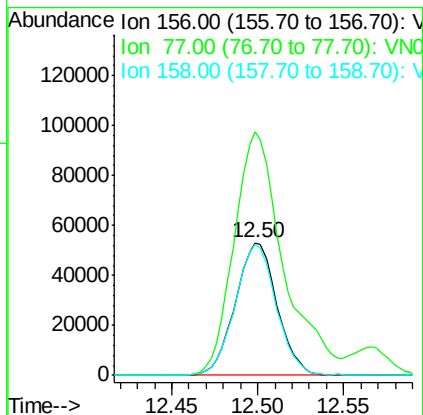
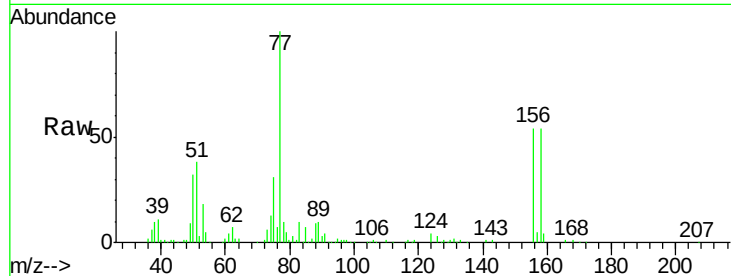
ClientSampleId :

VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		89144		
77	218.7	0.0	450.2		
158	97.8	0.0	194.8		

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#74

n-propylbenzene

Concen: 22.187 ug/l

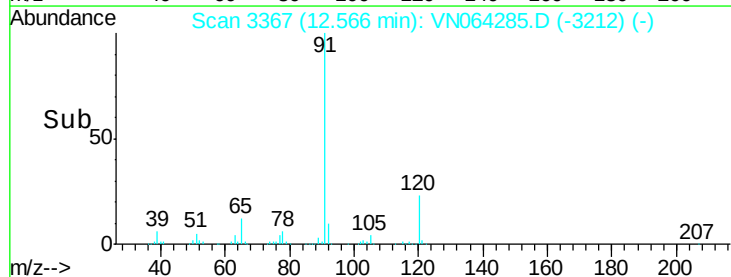
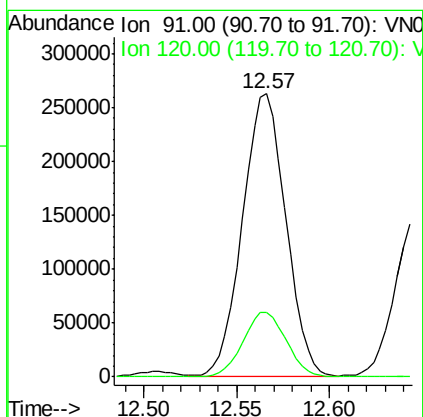
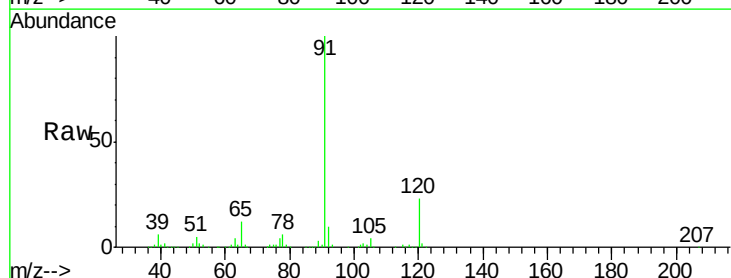
RT: 12.57 min Scan# 3367

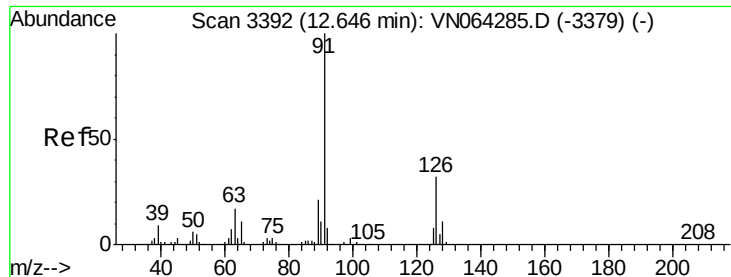
Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		426084		
120	22.8	0.0	43.6		





#75

2-Chlorotoluene

Concen: 21.605 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 256665

Ion Ratio Lower Upper

91 100

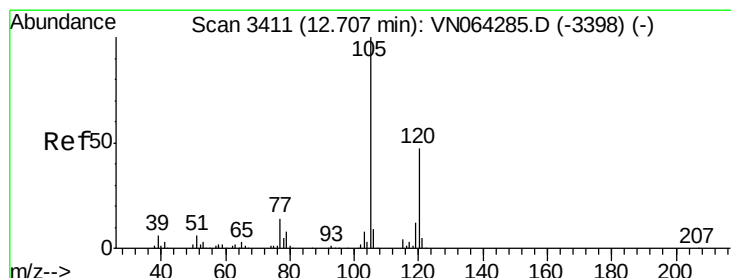
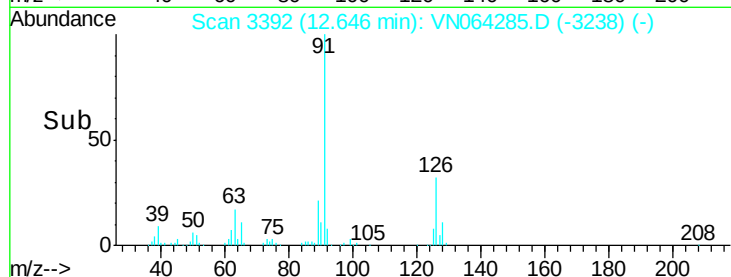
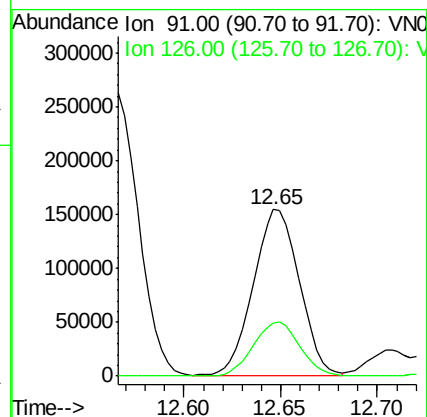
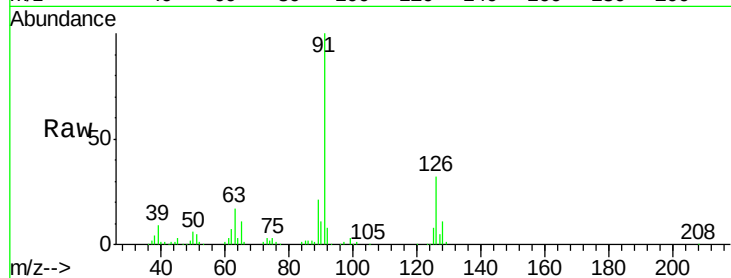
126 32.9 0.0 62.8

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#76

1,3,5-Trimethylbenzene

Concen: 21.912 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064285.D

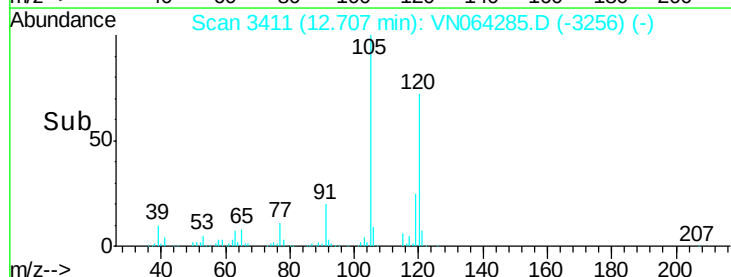
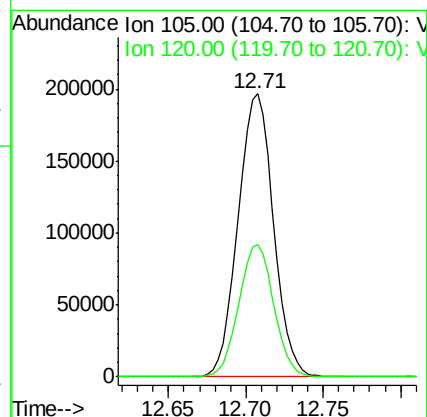
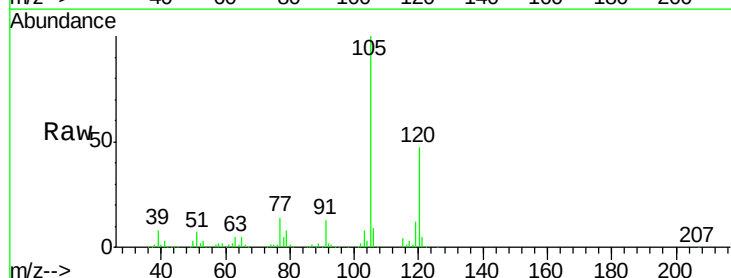
Acq: 23 Oct 2020 13:01

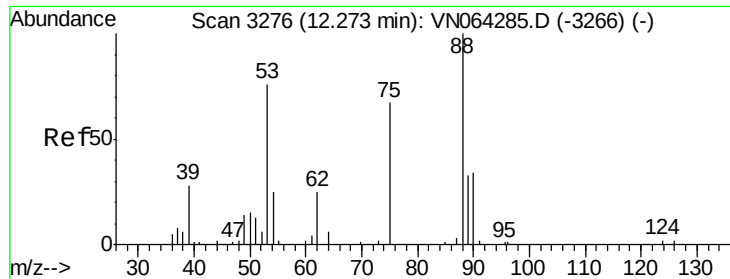
Tgt Ion: 105 Resp: 311212

Ion Ratio Lower Upper

105 100

120 46.1 0.0 92.8





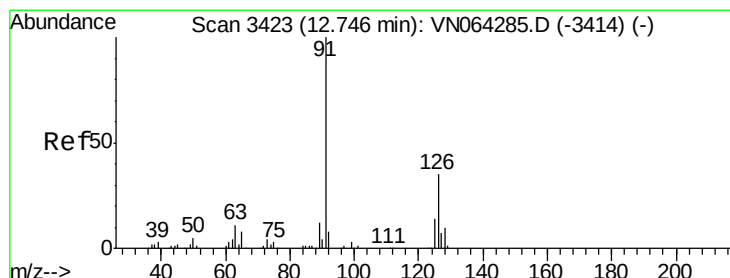
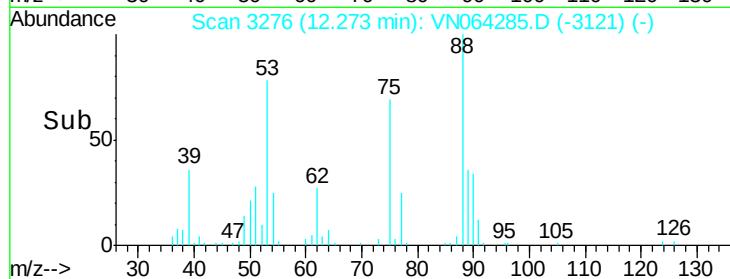
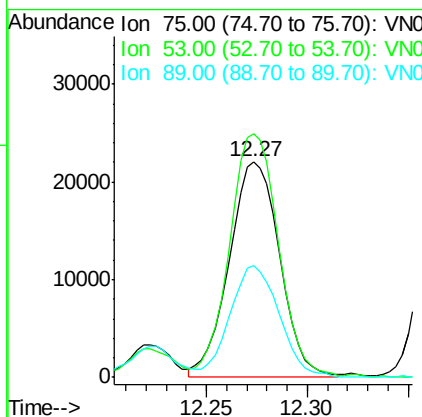
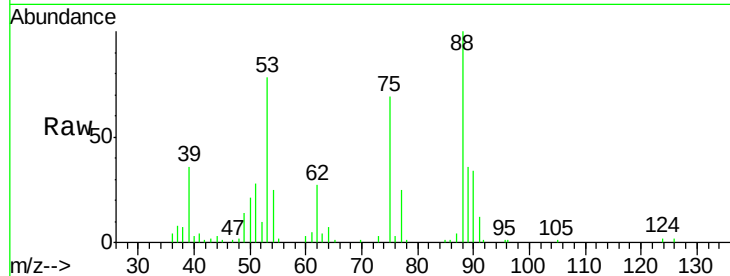
#77
t-1,4-Dichloro-2-butene
Concen: 21.030 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
53	113.2	44.8	134.3	
89	52.6	22.2	66.6	

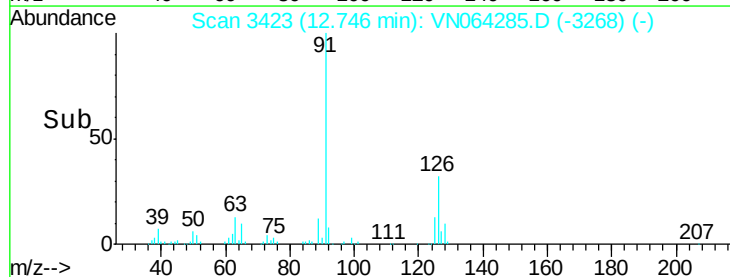
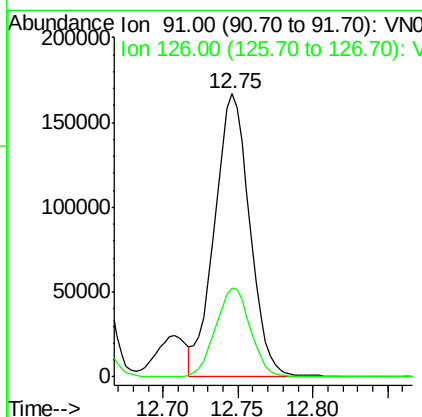
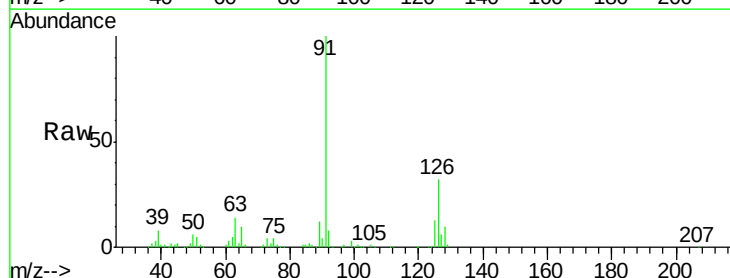
Manual Integrations
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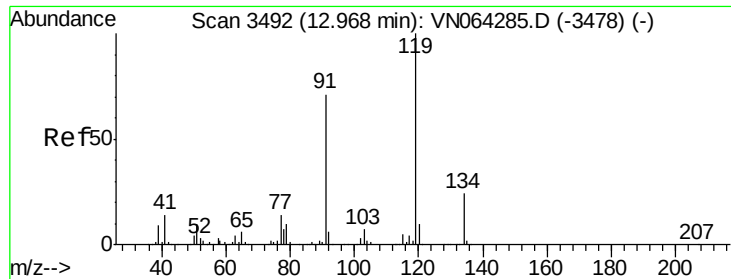
MMDadoda
10/26/2020 1:39:36 PM



#78
4-Chlorotoluene
Concen: 21.888 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
126	31.1	0.0	62.2	





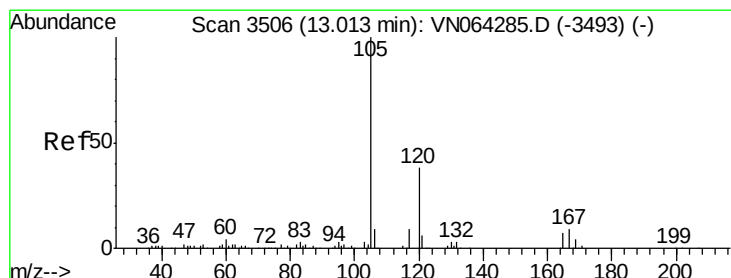
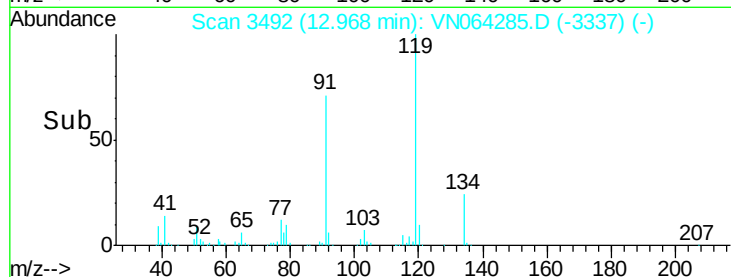
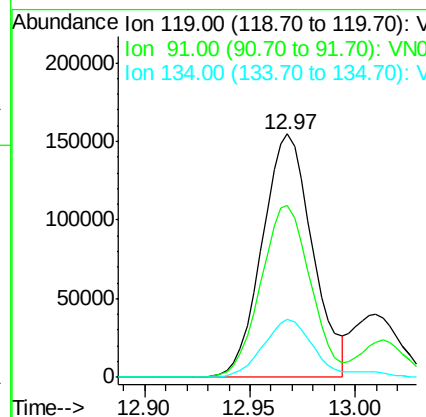
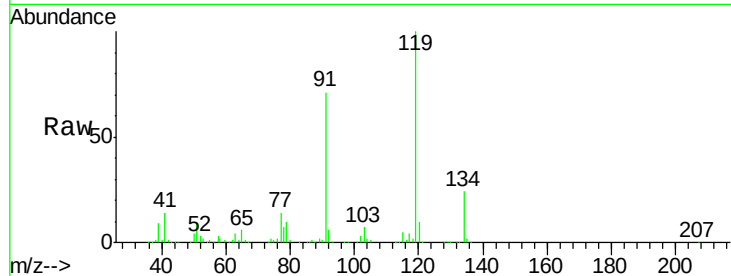
#79
tert-butylbenzene
Concen: 22.136 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	256966		
91	69.3		0.0	140.0
134	23.3		0.0	45.8

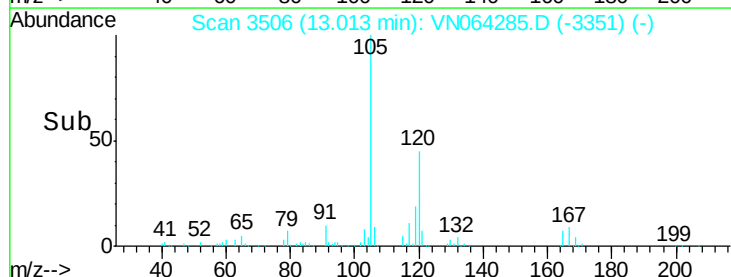
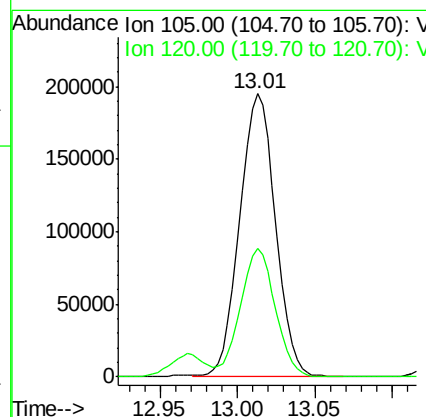
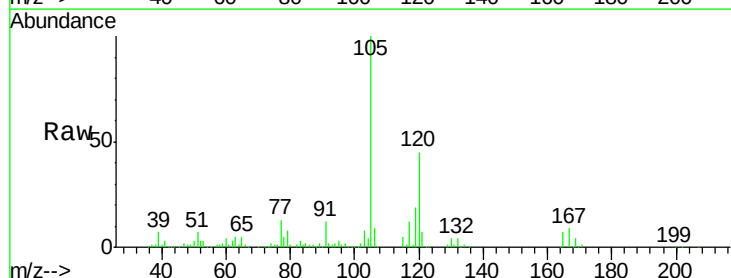
Manual Integrations
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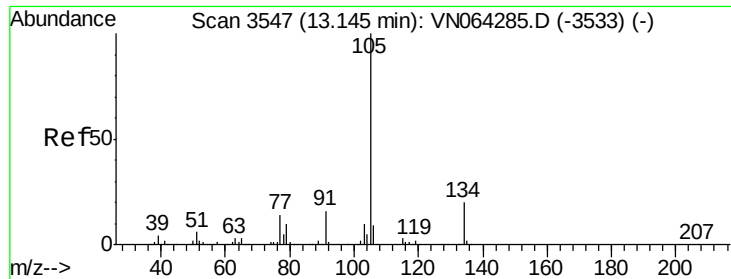
MMDadoda
10/26/2020 1:39:36 PM



#80
1,2,4-Trimethylbenzene
Concen: 21.819 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	314027		
120	44.2		0.0	87.4





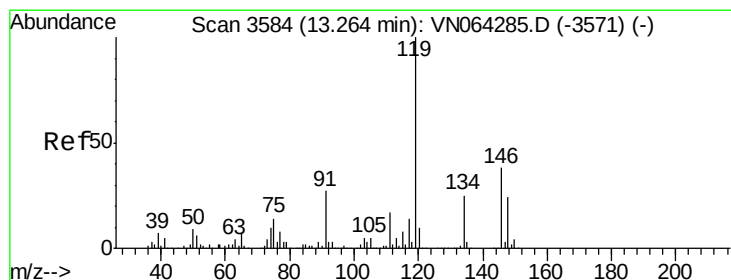
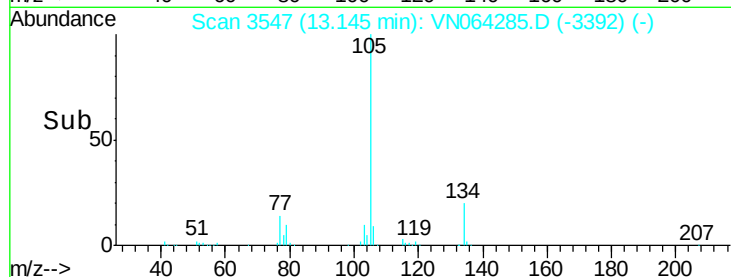
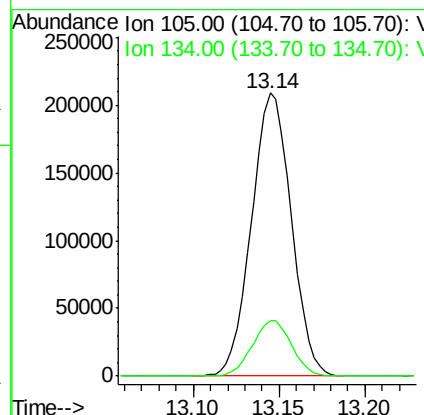
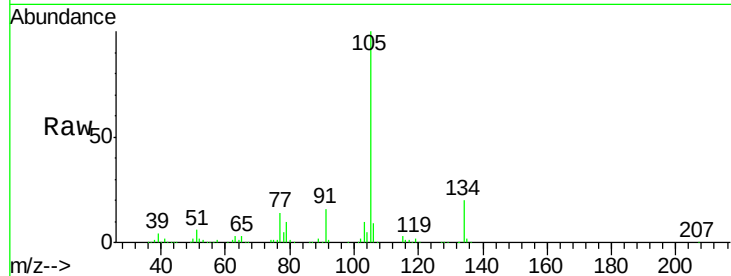
#81
 sec-Butylbenzene
 Concen: 22.364 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	334785		
134	19.4	0.0	36.8	

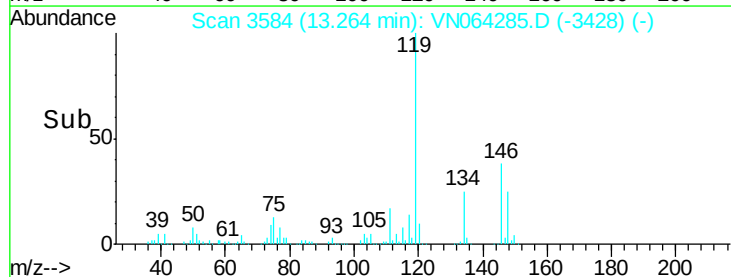
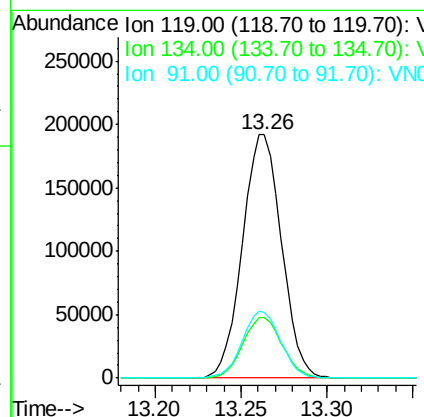
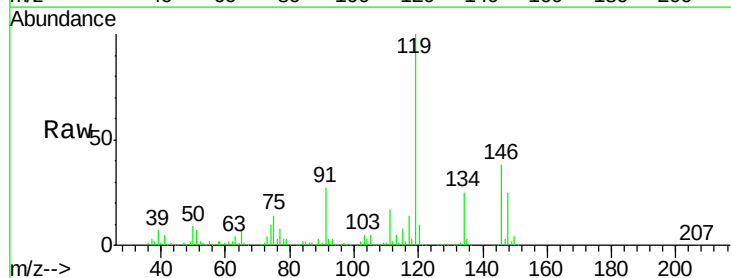
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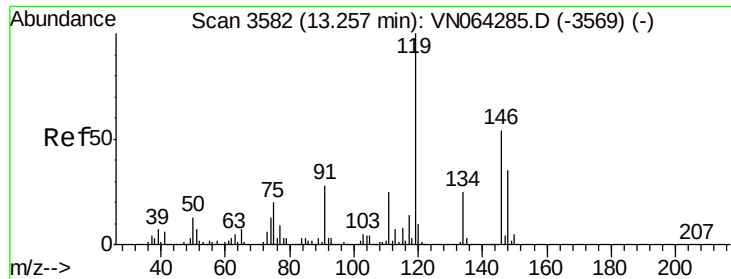
MMDadoda
 10/26/2020 1:39:36 PM



#82
 p-Isopropyltoluene
 Concen: 21.968 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	303556		
134	25.0	0.0	47.8	
91	27.2	0.0	55.8	





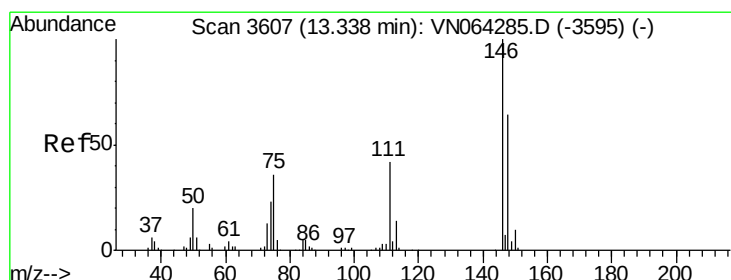
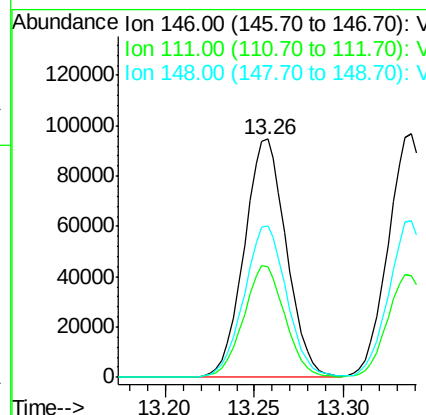
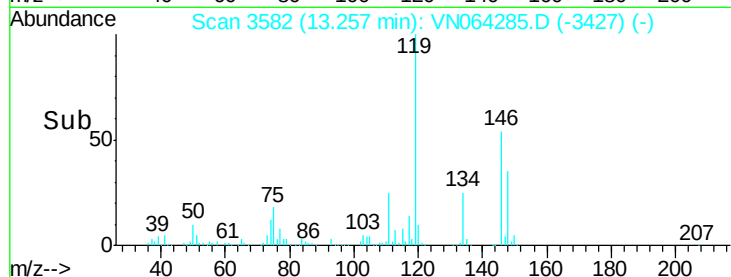
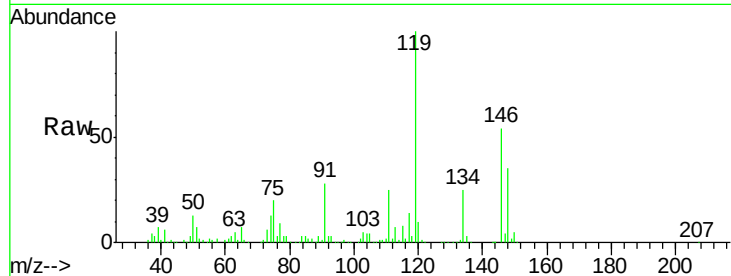
#83
 1,3-Dichlorobenzene
 Concen: 21.768 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.1	66.5
148	64.5	31.9	95.5

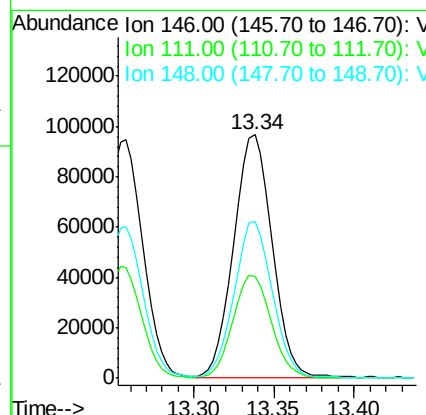
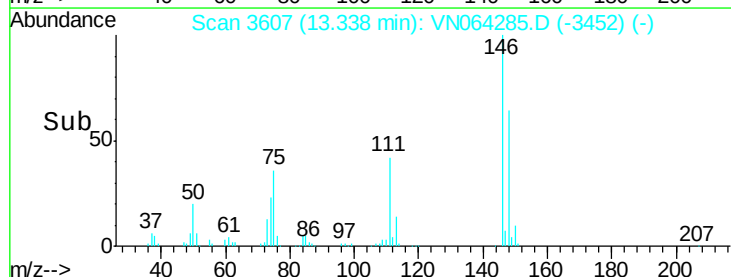
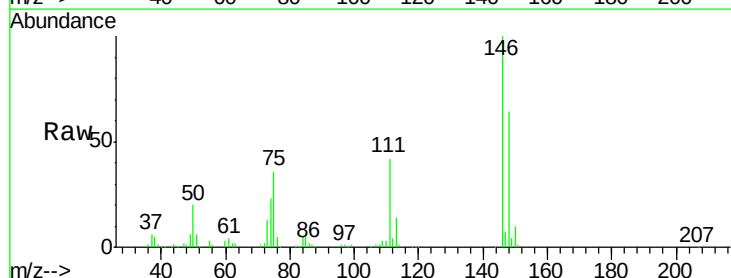
Manual Integrations
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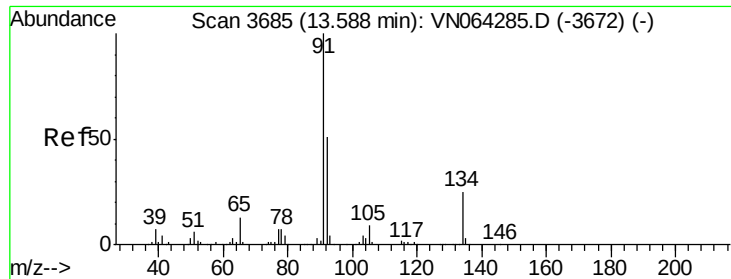
MMDadoda
 10/26/2020 1:39:36 PM



#84
 1,4-Dichlorobenzene
 Concen: 21.847 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	61.0
148	63.4	31.4	94.3





#85

n-Butylbenzene

Concen: 22.189 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

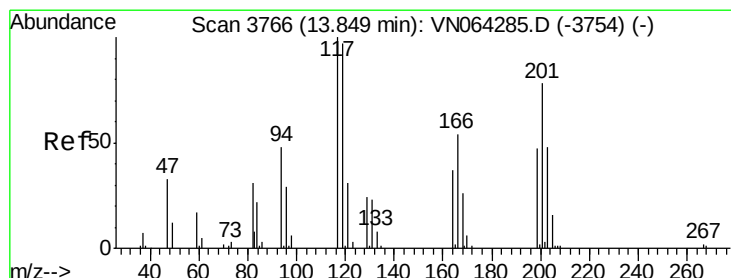
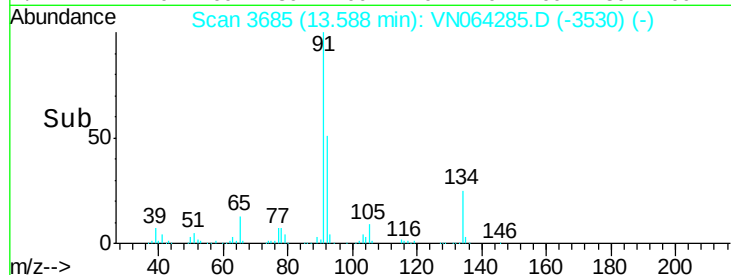
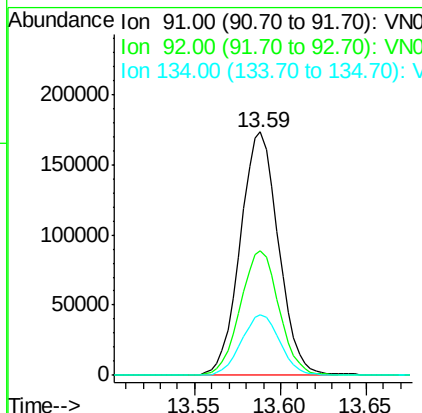
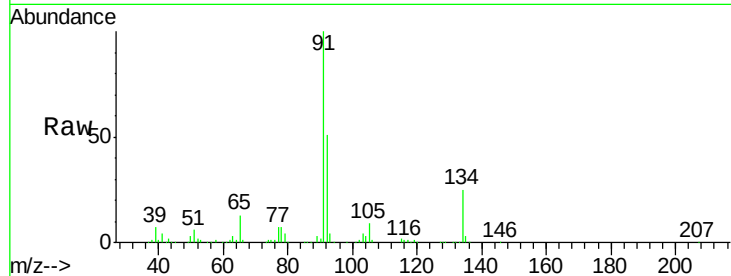
ClientSampleId :

VSTDICCC020

Tot Ion:	91	Resp:	267958
Ion	Ratio	Lower	Upper
91	100		
92	51.9	0.0	110.0
134	25.2	0.0	51.6

Manual Integrations
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#86

Hexachloroethane

Concen: 21.609 ug/l

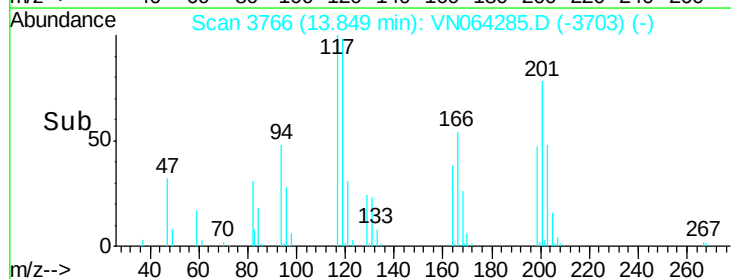
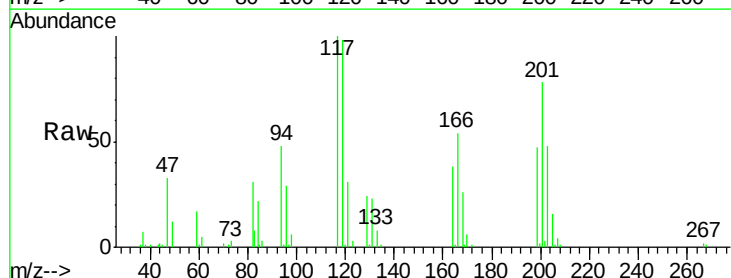
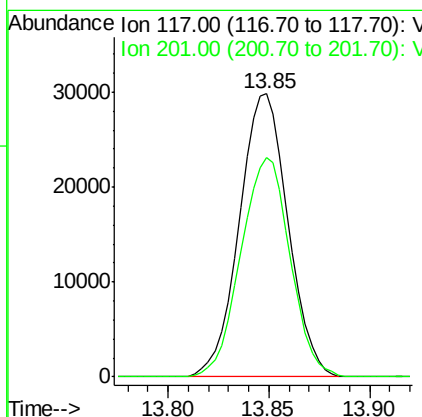
RT: 13.85 min Scan# 3766

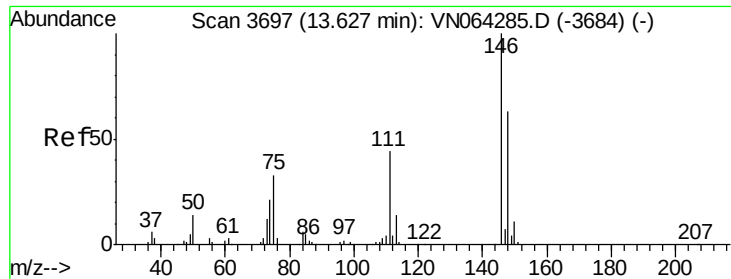
Delta R.T. 0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Tgt Ion:	117	Resp:	50413
Ion	Ratio	Lower	Upper
117	100		
201	78.4	37.2	111.6





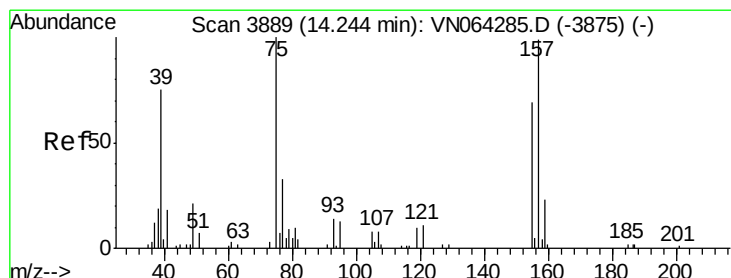
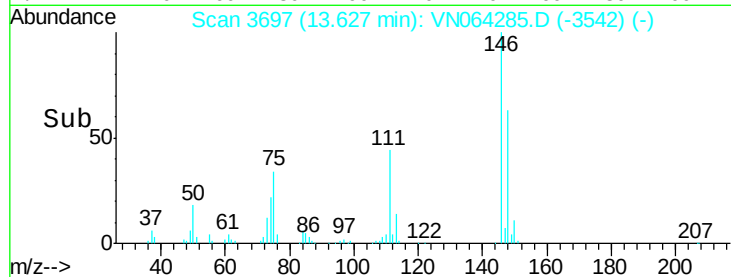
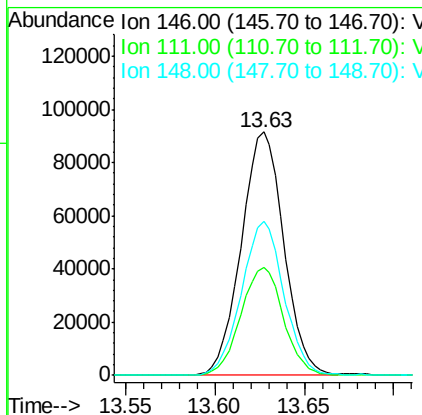
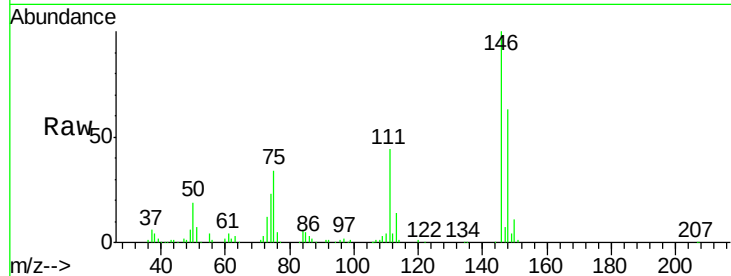
#87
 1,2-Dichlorobenzene
 Concen: 21.773 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	23.1	69.3
148	62.9	32.3	96.8

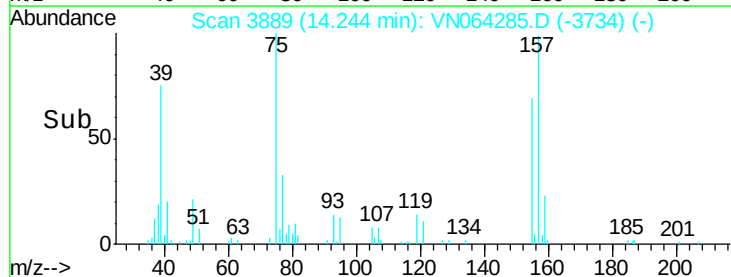
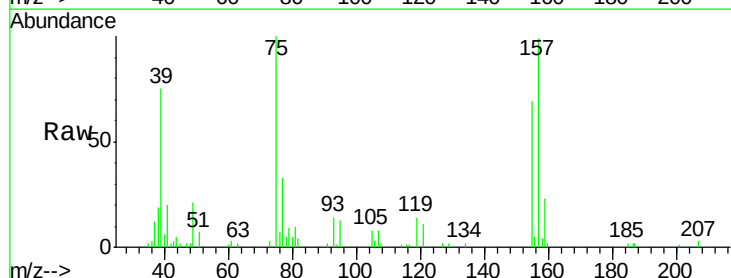
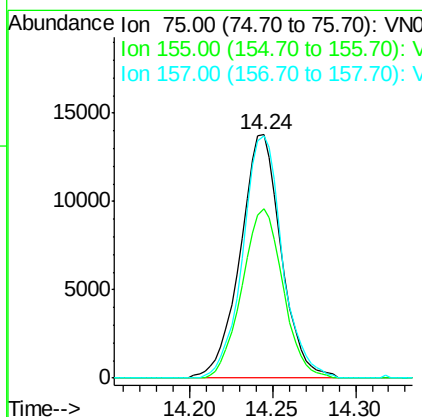
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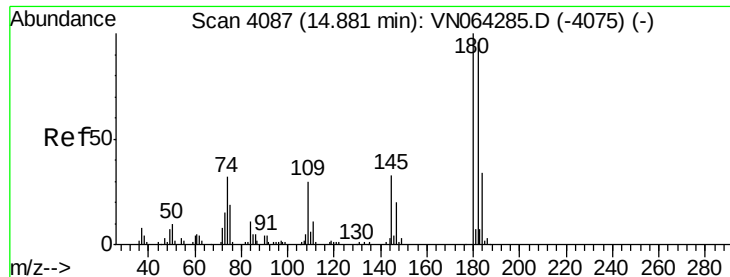
MMDadoda
 10/26/2020 1:39:36 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.333 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.2	56.6	84.8
157	95.9	70.1	105.1





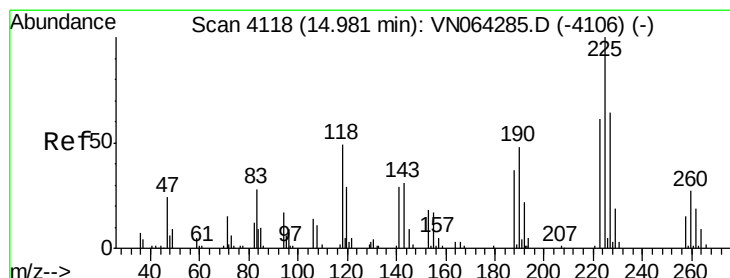
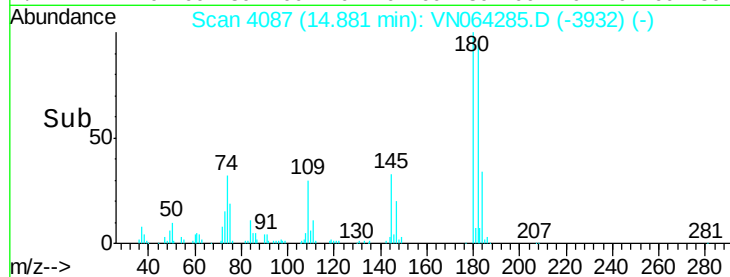
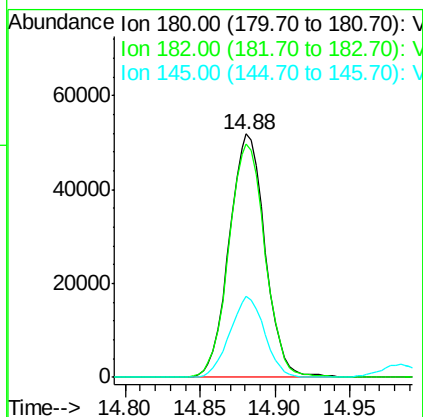
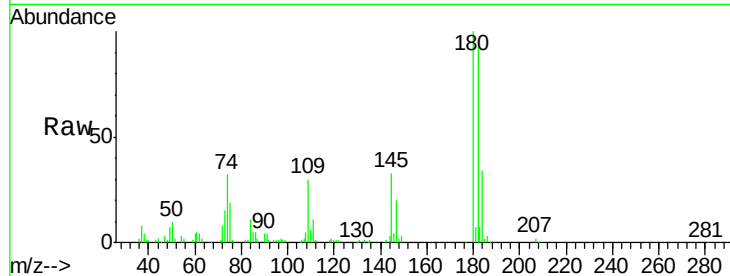
#89
 1,2,4-Trichlorobenzene
 Concen: 21.713 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	71.3	106.9
145	32.2	23.9	35.9

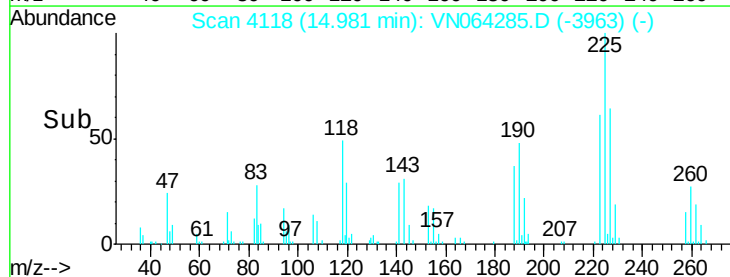
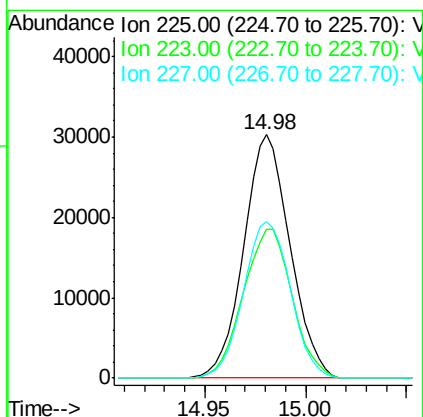
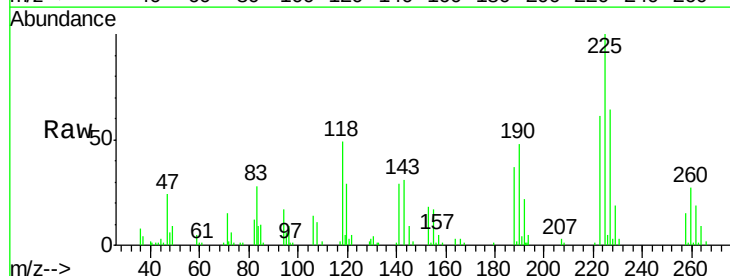
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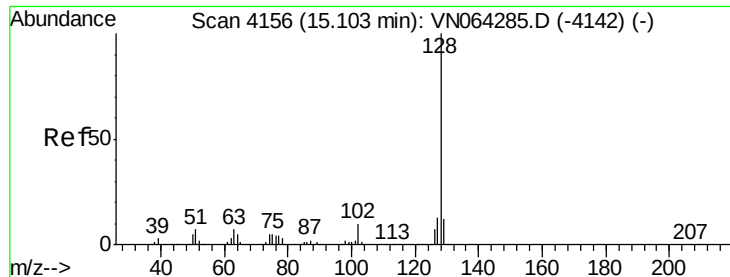
MMDadoda
 10/26/2020 1:39:36 PM



#90
 Hexachlorobutadiene
 Concen: 22.242 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	0.0	129.8
227	65.3	0.0	128.6





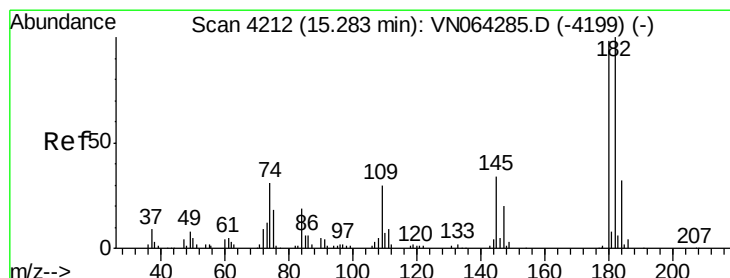
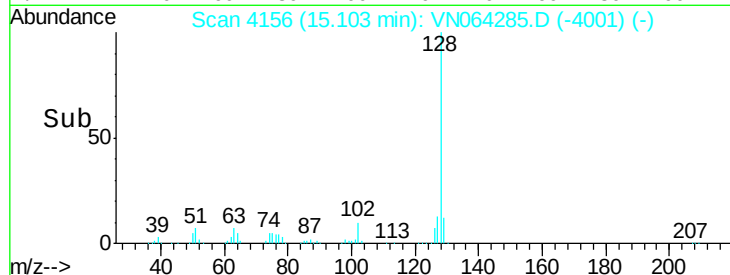
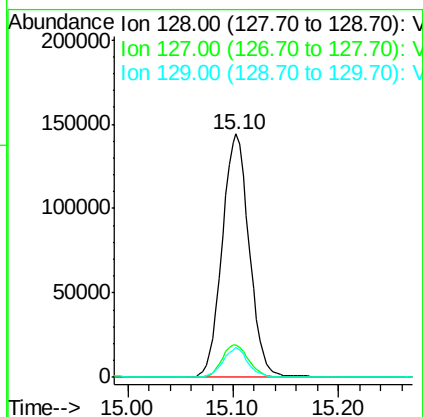
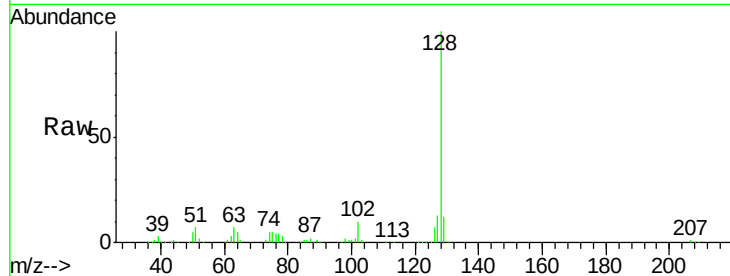
#91
Naphthalene
Concen: 21.987 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	255487		
127	13.2		9.9	14.9
129	11.3		8.3	12.5

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#92
1,2,3-Trichlorobenzene
Concen: 22.401 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	84999		
182	97.4		0.0	188.8
145	33.8		0.0	70.0

