

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061393.D
 Acq On : 14 May 2020 14:37
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:38 PM

Quant Time: May 14 15:40:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 15:22:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	18171	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	106036	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	99359	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	49706	31.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.17%
60) 4-Bromofluorobenzene	12.37	95	49381	28.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.67%
63) Toluene-d8	10.06	98	138586	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	15748	16.849	ug/l 98
3) Chloromethane	2.03	50	31023	22.917	ug/l 99
4) Vinyl Chloride	2.16	62	41694	27.955	ug/l 99
5) Bromomethane	2.54	94	20906	24.056	ug/l 96
6) Chloroethane	2.68	64	28522	29.632	ug/l 95
7) Trichlorofluoromethane	2.98	101	44216	25.005	ug/l 98
8) Diethyl Ether	3.37	74	13488	21.061	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	18678	19.539	ug/l 95
10) 1,1-Dichloroethene	3.70	96	19237	20.330	ug/l 95
11) Methyl Iodide	3.91	142	20182	16.020	ug/l 98
12) Methyl Acetate	4.28	43	23443	16.157	ug/l 97
13) Acrolein	3.57	56	18945	109.176	ug/l 98
14) Acrylonitrile	4.93	53	56214	94.720	ug/l 97
15) Acetone	3.77	58	13613	79.934	ug/l 98
16) Carbon Disulfide	4.01	76	60068	21.443	ug/l 99
17) Allyl chloride	4.28	41	39694	20.878	ug/l 96
18) Methylene Chloride	4.50	84	22351	19.639	ug/l 93
19) trans-1,2-Dichloroethene	4.99	96	22296	21.386	ug/l 97
20) Diisopropyl ether	5.90	45	92022	23.086	ug/l 94
21) 1,1-Dichloroethane	5.80	63	48004	22.058	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	26959	21.592	ug/l 96
23) tert-Butyl Alcohol	4.73	59	18447	79.019	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	78343	21.742	ug/l 98
25) Chloroform	7.33	83	46028	21.400	ug/l 95
26) Cyclohexane	7.61	56	45792	23.442	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	37033	21.794	ug/l 98
30) 2-Butanone	6.79	43	79732	86.979	ug/l 98
31) 2,2-Dichloropropane	6.78	77	42718	21.281	ug/l # 75
32) 1,1,1-Trichloroethane	7.53	97	40734	21.022	ug/l 97
33) Carbon Tetrachloride	7.73	117	30568	18.723	ug/l 98
34) Benzene	8.00	78	105396	21.245	ug/l 98
35) Methacrylonitrile	7.13	41	19615	22.818	ug/l 90
36) 1,2-Dichloroethane	8.09	62	40473	21.342	ug/l 99
37) Trichloroethene	8.80	130	25320	20.873	ug/l 100
38) Methylcyclohexane	9.05	83	44296	22.259	ug/l 98
39) 1,2-Dichloropropane	9.08	63	29330	21.616	ug/l 99
40) Dibromomethane	9.18	93	17379	20.524	ug/l 92

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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	38466	21.837	ug/l	99
42) Vinyl Acetate	5.84	43	372595	111.309	ug/l	99
43) Ethyl Acetate	6.88	43	36141	19.713	ug/l	94
44) Isopropyl Acetate	8.12	43	66100	21.627	ug/l	99
45) 1,4-Dioxane	9.17	88	5006	238.424	ug/l #	90
46) Methyl methacrylate	9.17	41	30831	21.812	ug/l	93
47) n-amyl Acetate	12.04	43	57750	21.284	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	45231	21.985	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	47338	21.988	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	24053	20.005	ug/l	99
51) Ethyl methacrylate	10.40	69	41926	21.279	ug/l	93
52) 1,3-Dichloropropane	10.68	76	45731	21.068	ug/l	99
53) Dibromochloromethane	10.87	129	26273	20.204	ug/l	98
54) 1,2-Dibromoethane	10.98	107	24954	19.960	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	91519	97.306	ug/l	99
56) Bromoform	12.10	173	16026	18.048	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	180365	101.031	ug/l	99
59) 2-Hexanone	10.72	43	127380	92.100	ug/l	99
61) Tetrachloroethene	10.60	164	24132	22.166	ug/l	93
62) Toluene	10.12	91	112011	20.938	ug/l	98
64) Chlorobenzene	11.41	112	65662	20.224	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	24020	19.795	ug/l	99
66) Ethyl Benzene	11.48	91	127085	21.334	ug/l	99
67) m/p-Xylenes	11.59	106	93318	42.015	ug/l	98
68) o-Xylene	11.92	106	45138	20.943	ug/l	98
69) Styrene	11.94	104	75236	21.018	ug/l	98
70) Isopropylbenzene	12.22	105	120276	20.777	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	34188	18.094	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	33780m	19.479	ug/l	
73) Bromobenzene	12.50	156	24530	17.974	ug/l	89
74) n-propylbenzene	12.56	91	142951	21.090	ug/l	99
75) 2-Chlorotoluene	12.65	91	82862	20.371	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	100828	20.397	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	13018	19.416	ug/l	97
78) 4-Chlorotoluene	12.75	91	85502	20.352	ug/l	99
79) tert-butylbenzene	12.97	119	84213	20.024	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	99308	20.259	ug/l	99
81) sec-Butylbenzene	13.15	105	116169	20.454	ug/l	99
82) p-Isopropyltoluene	13.27	119	103520	20.287	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	44956	18.148	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	45122	18.227	ug/l	98
85) n-Butylbenzene	13.59	91	95541	20.294	ug/l	98
86) Hexachloroethane	13.85	117	13865	15.711	ug/l	83
87) 1,2-Dichlorobenzene	13.63	146	44081	18.031	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	7479	17.828	ug/l	90
89) 1,2,4-Trichlorobenzene	14.89	180	25303	16.606	ug/l	96
90) Hexachlorobutadiene	14.99	225	10092	13.361	ug/l	96
91) Naphthalene	15.10	128	78000	17.234	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	24365	16.474	ug/l	97

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QLast Update : Thu May 14 15:22:52 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

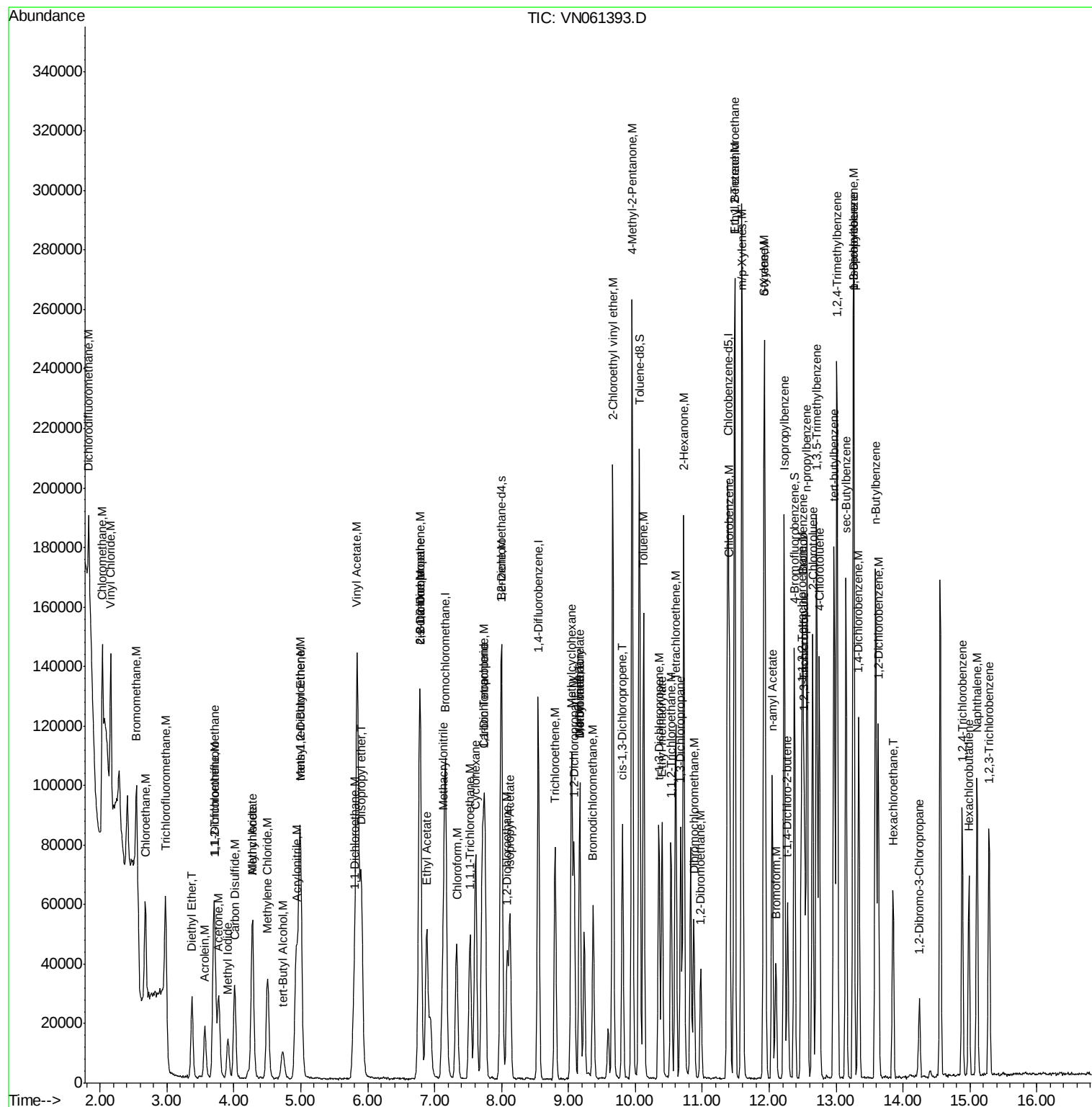
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
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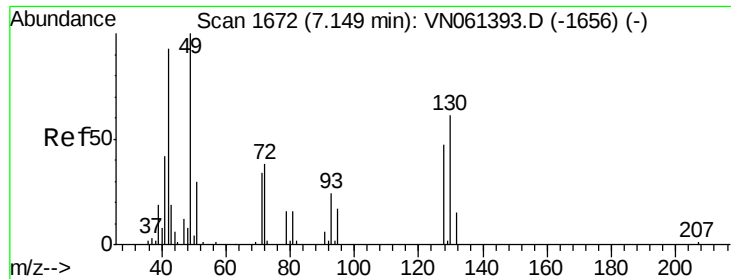
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

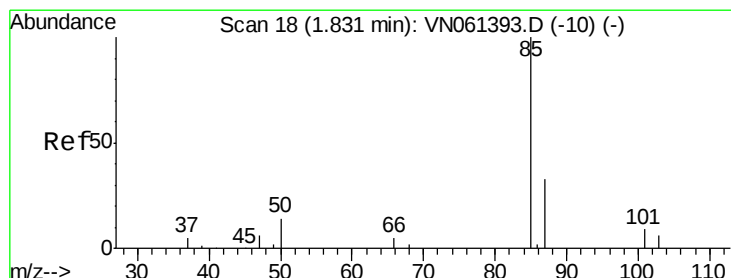
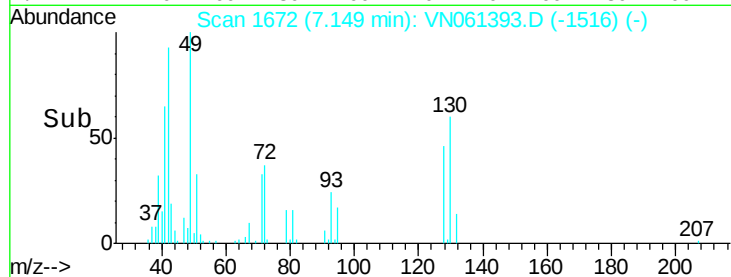
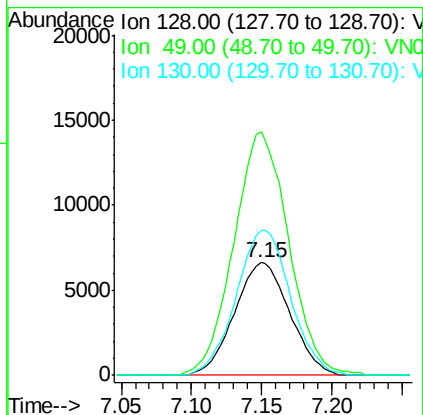
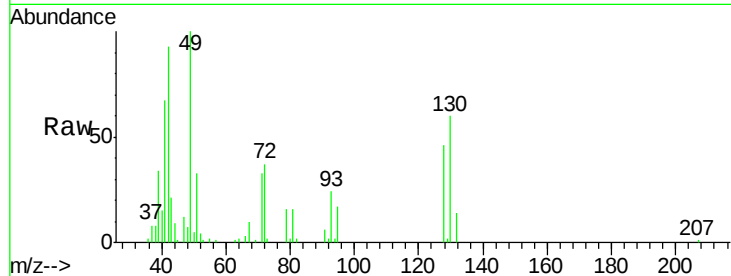
ClientSampleId :

VSTDICCC020

Tot Ion:	128	Resp:	18171
Ion	Ratio	Lower	Upper
128	100		
49	214.4	0.0	453.5
130	127.2	0.0	314.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 16.849 ug/l

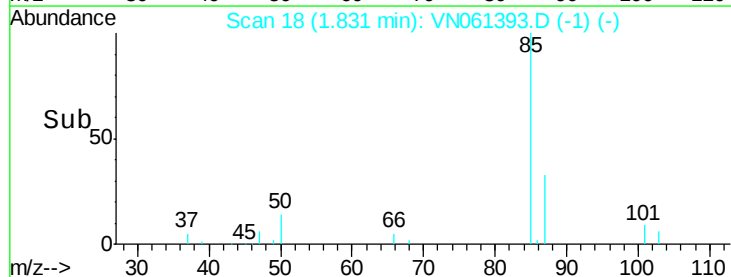
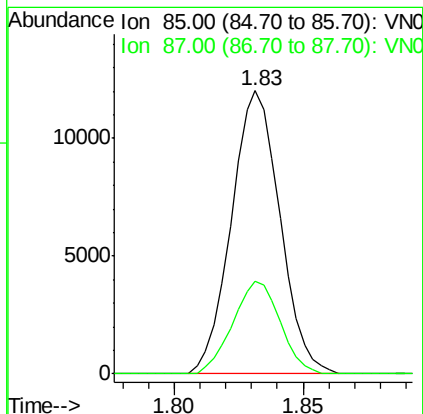
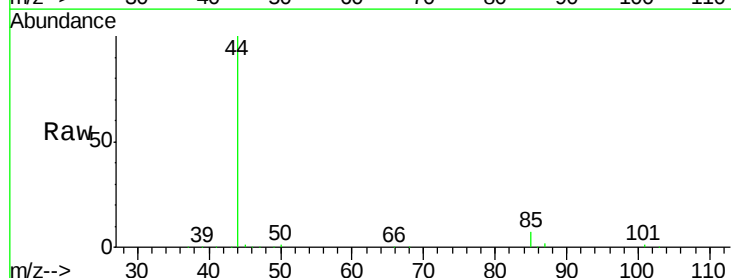
RT: 1.83 min Scan# 18

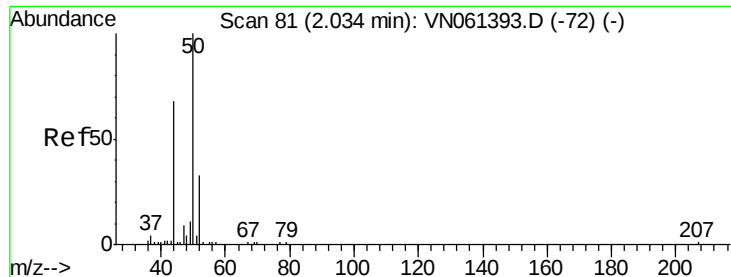
Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Tgt Ion:	85	Resp:	15748
Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.0





#3

Chloromethane

Concen: 22.917 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 50 Resp: 31023

Ion Ratio Lower Upper

50 100

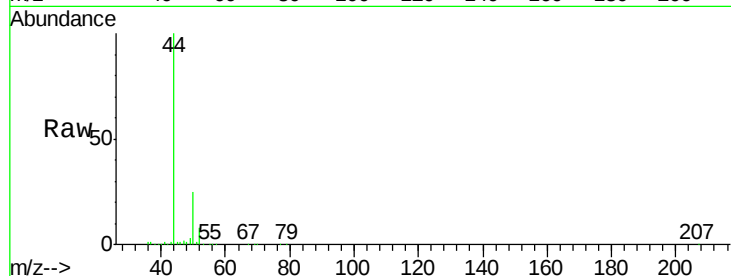
52 32.7 25.8 38.8

Manual Integrations

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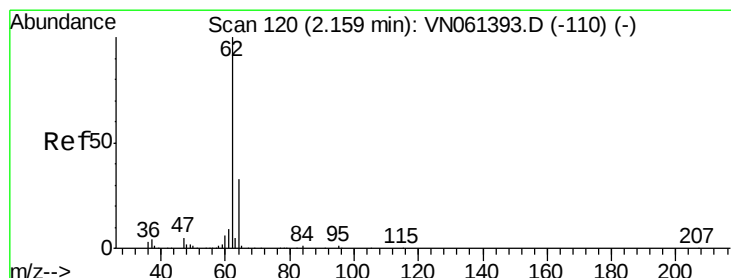
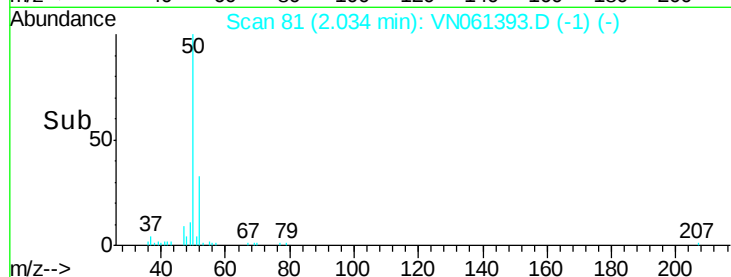
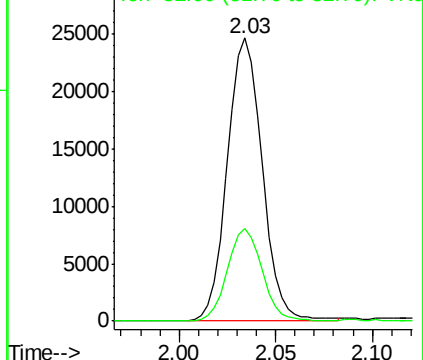
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 27.955 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061393.D

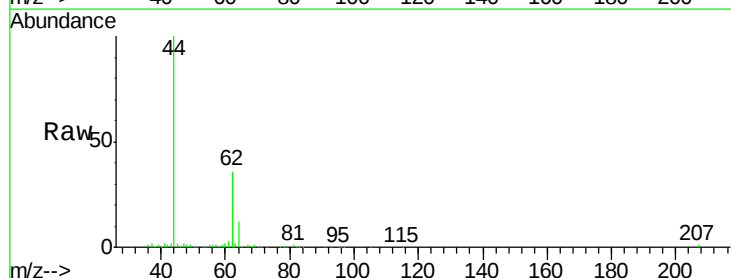
Acq: 14 May 2020 14:37

Tgt Ion: 62 Resp: 41694

Ion Ratio Lower Upper

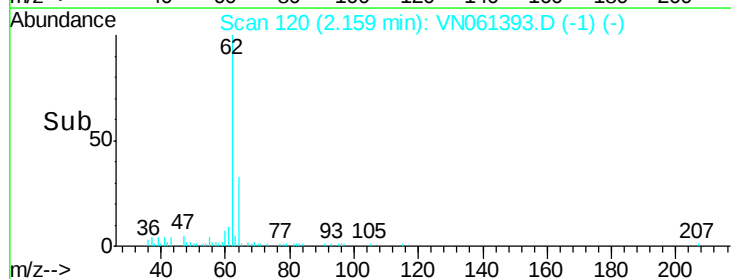
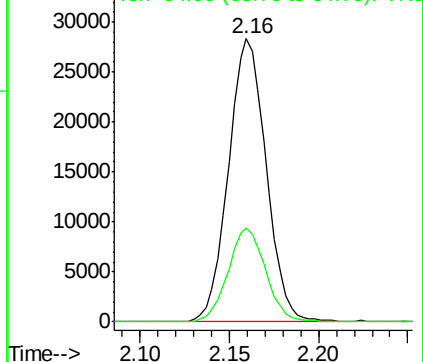
62 100

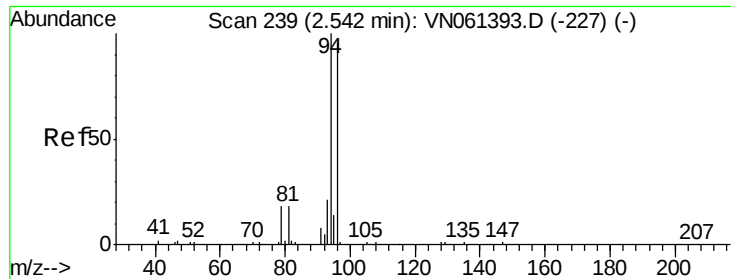
64 33.2 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 24.056 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 20906

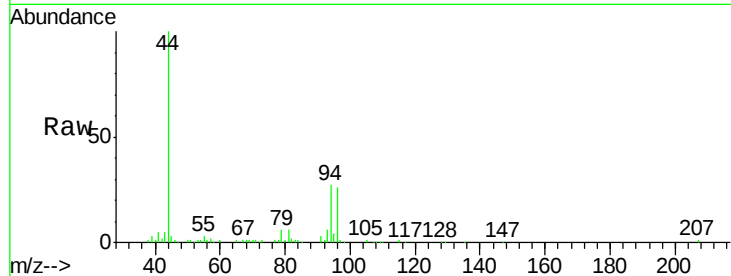
Ion Ratio Lower Upper

94 100

96 96.3 73.7 110.5

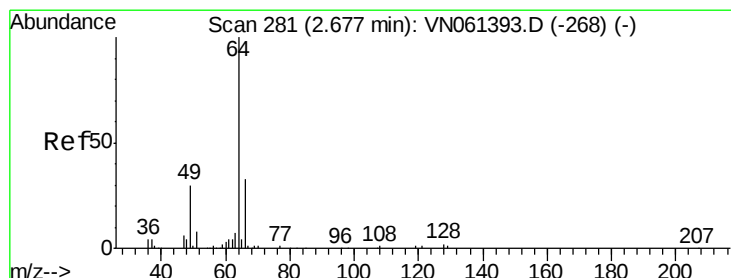
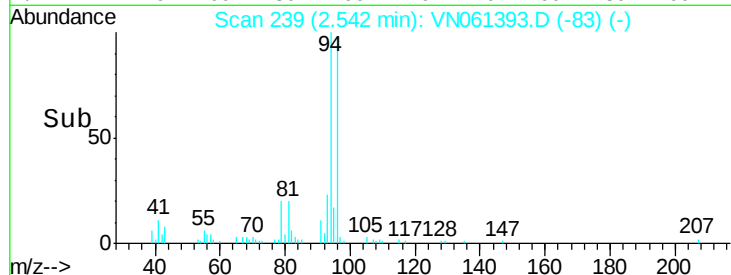
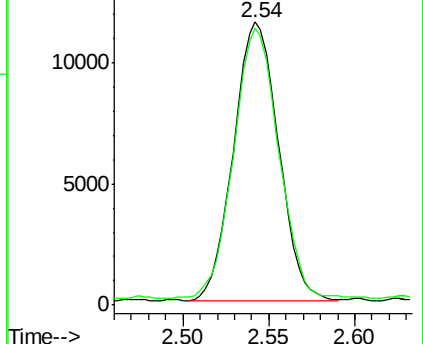
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 29.632 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN061393.D

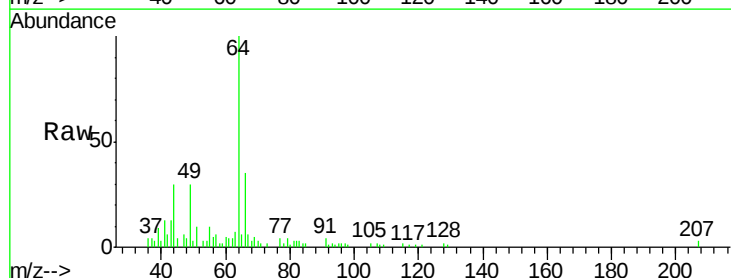
Acq: 14 May 2020 14:37

Tgt Ion: 64 Resp: 28522

Ion Ratio Lower Upper

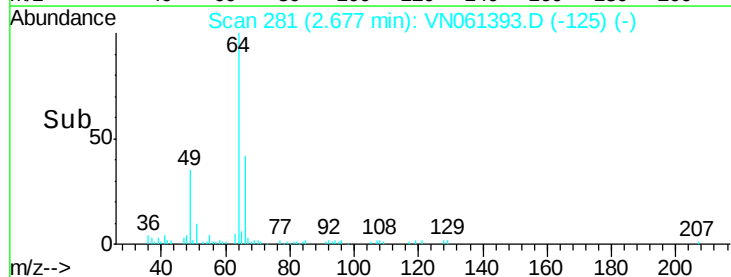
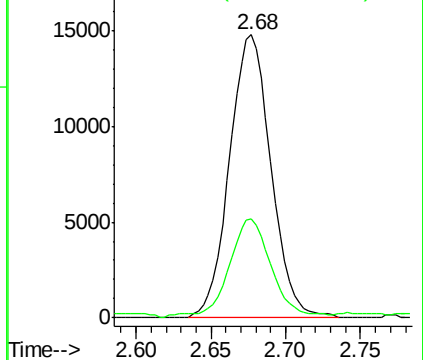
64 100

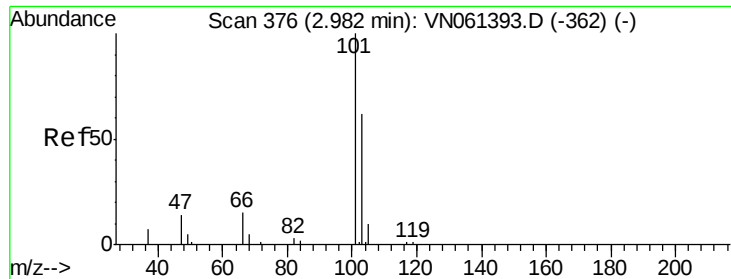
66 33.5 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

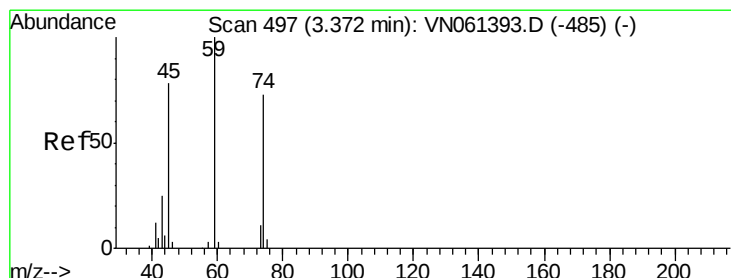
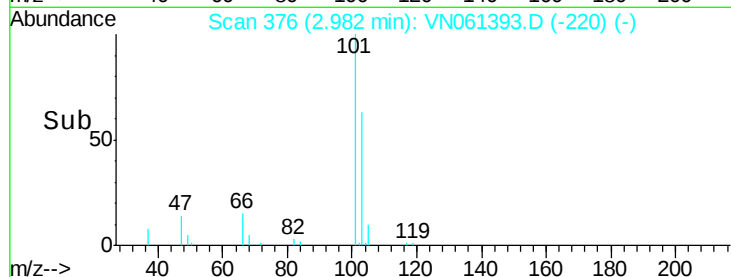
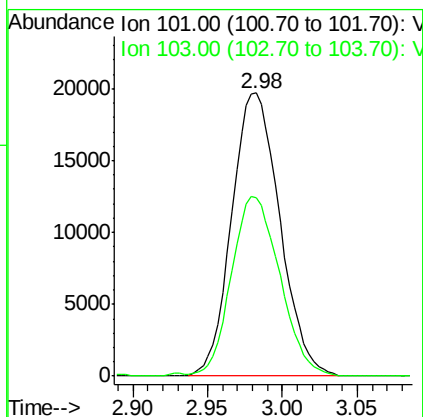
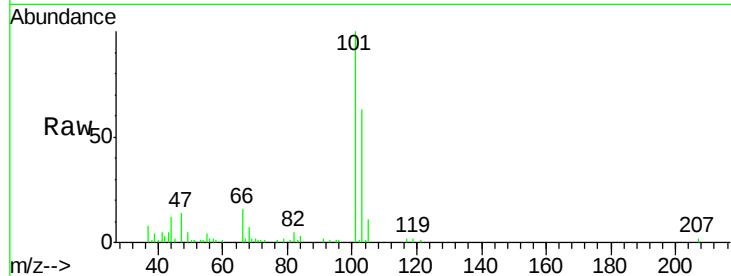
Trichlorofluoromethane
Concen: 25.005 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		44216		
103	63.2	51.5	77.3		

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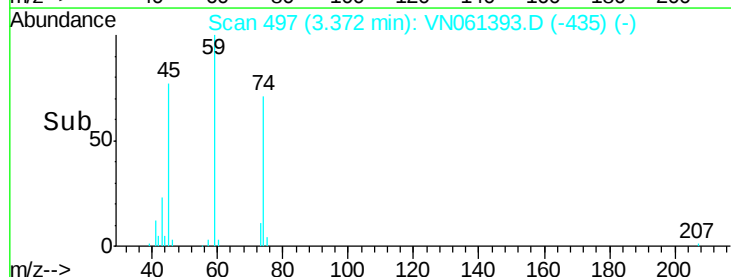
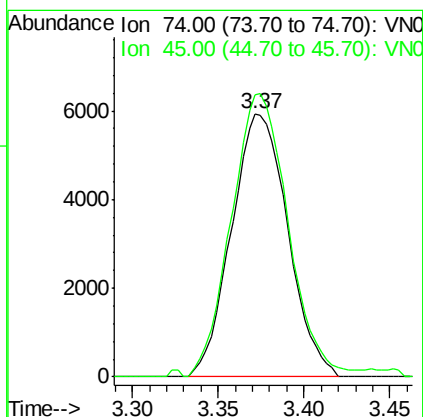
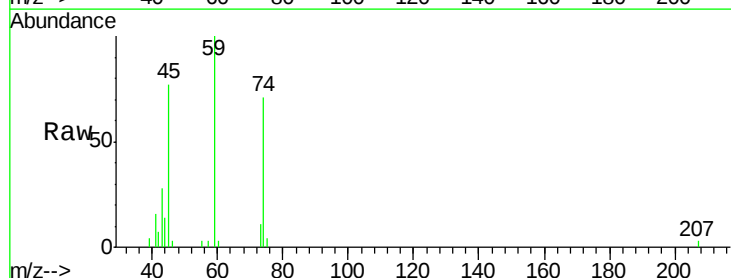
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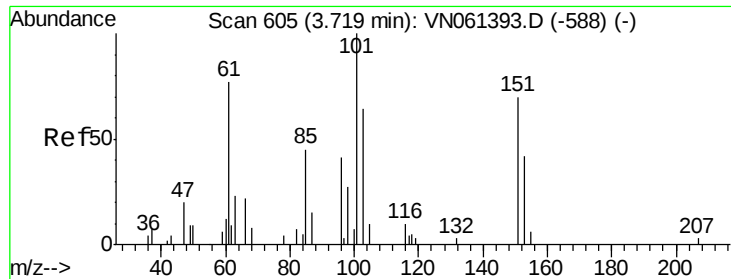


#8

Diethyl Ether
Concen: 21.061 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		13488		
45	109.0	20.6	185.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.539 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

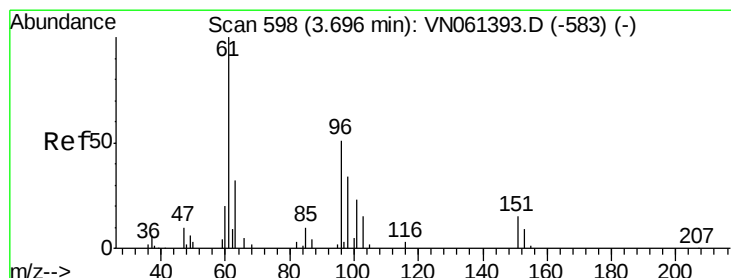
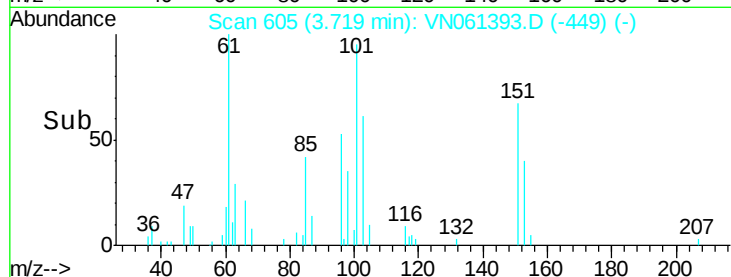
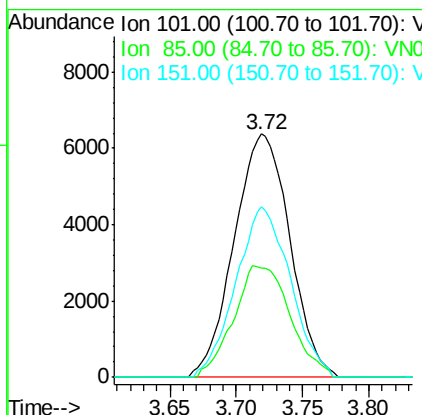
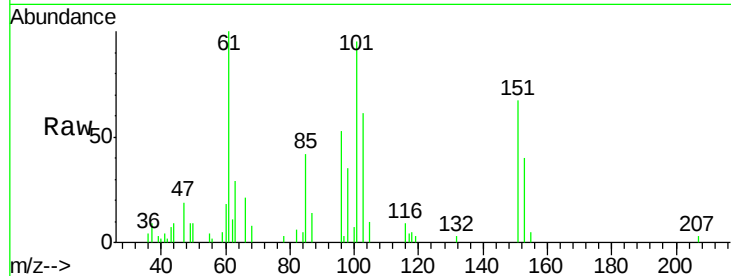
ClientSampled :

VSTDICCC020

Tot Ion:	101	Resp:	18678
Ion Ratio	Lower	Upper	
101	100		
85	46.4	0.0	93.8
151	68.6	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 20.330 ug/l

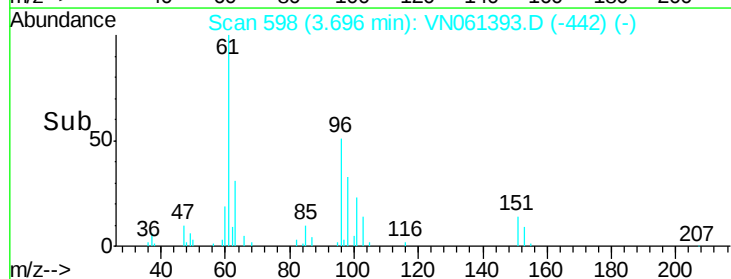
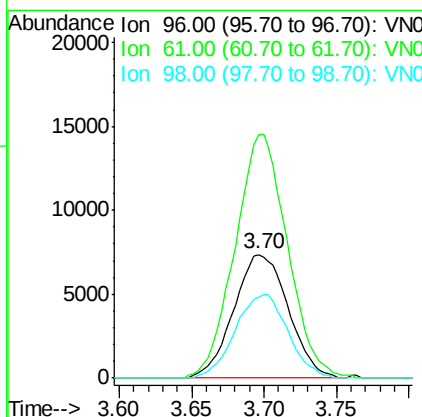
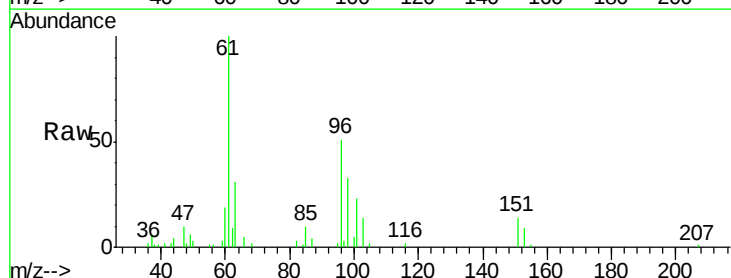
RT: 3.70 min Scan# 598

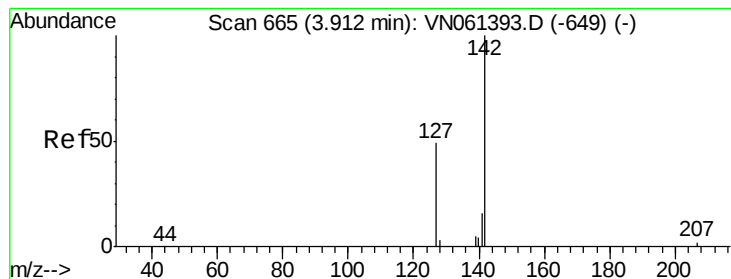
Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Tgt Ion:	96	Resp:	19237
Ion Ratio	Lower	Upper	
96	100		
61	194.3	148.5	222.7
98	65.8	51.0	76.6





#11

Methvl Iodide

Concen: 16.020 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

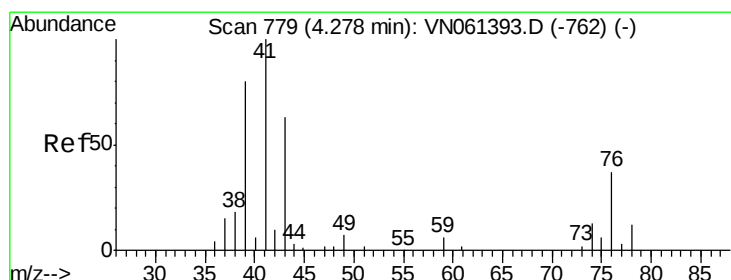
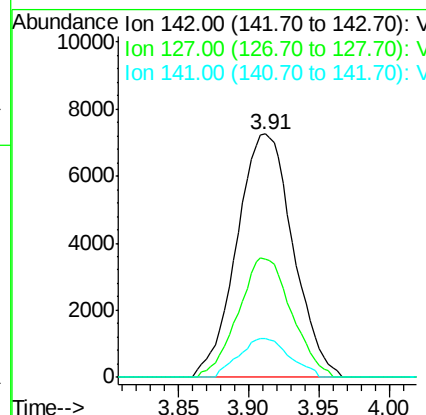
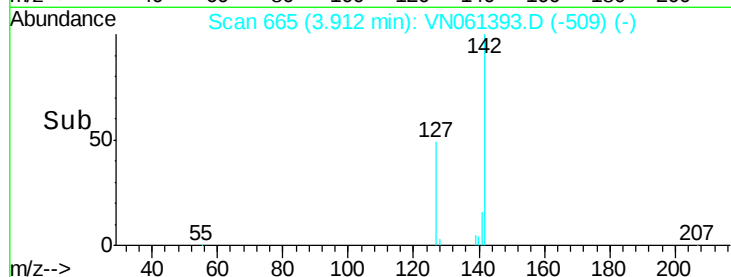
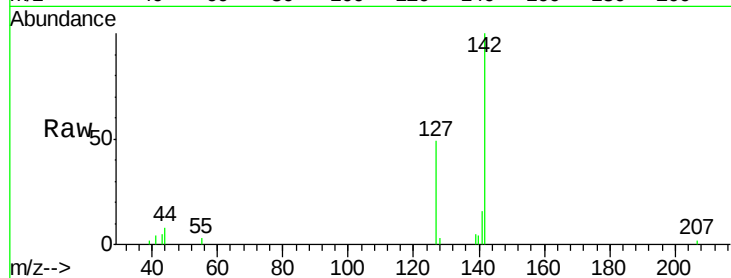
ClientSampleId :

VSTDICCC020

Tot Ion:	142	Resp:	20182
Ion Ratio	Lower	Upper	
142	100		
127	48.8	23.5	70.6
141	15.7	7.4	22.2

Manual Integrations
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#12

Methyl Acetate

Concen: 16.157 ug/l

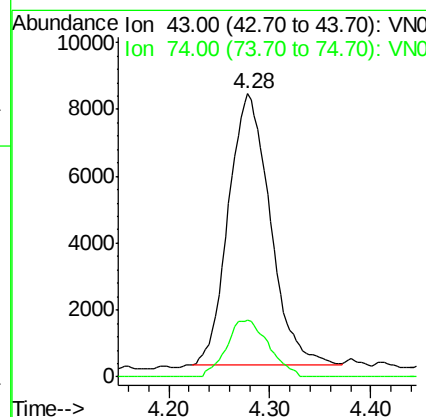
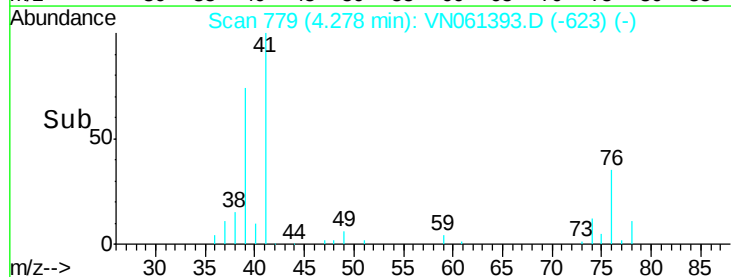
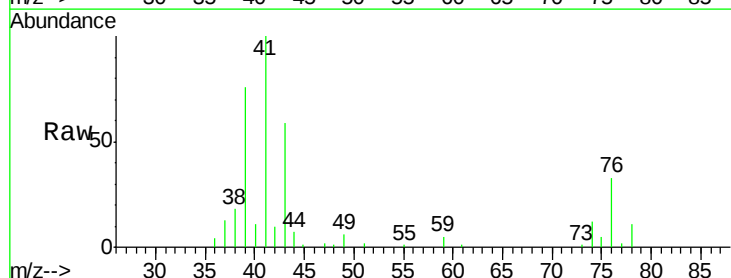
RT: 4.28 min Scan# 779

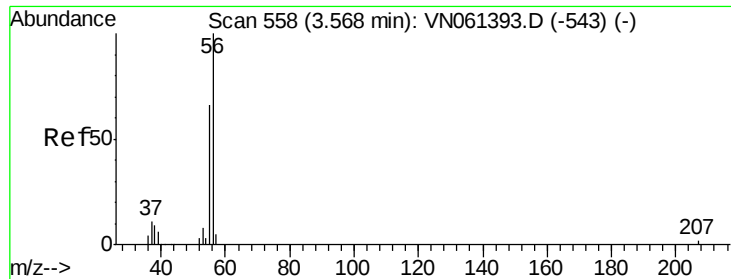
Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Tgt Ion:	43	Resp:	23443
Ion Ratio	Lower	Upper	
43	100		
74	20.9	18.1	27.1





#13

Acrolein

Concen: 109.176 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 18945

Ion Ratio Lower Upper

56 100

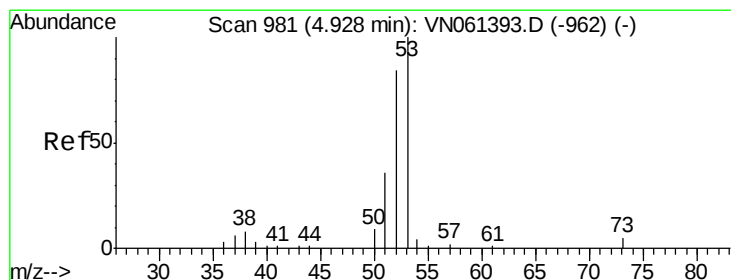
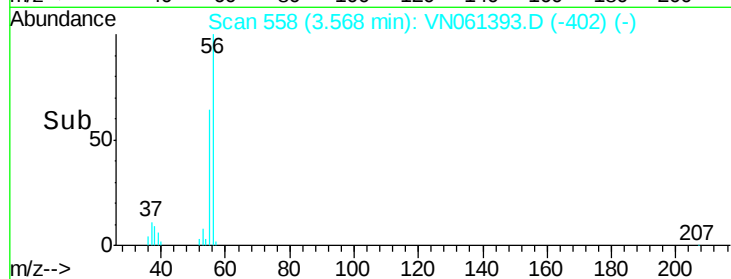
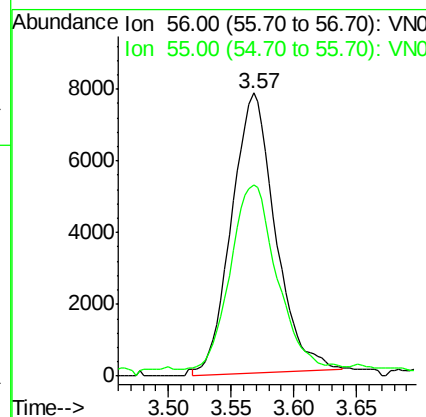
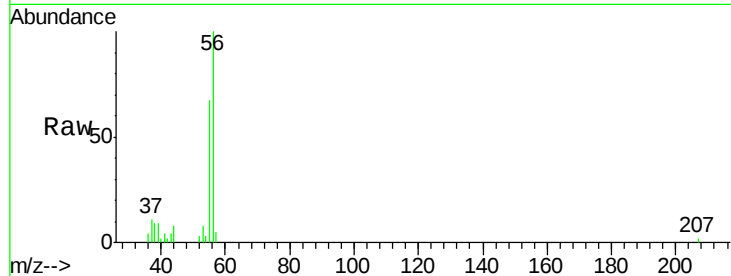
55 68.5 55.9 83.9

Manual Integrations

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#14

Acrylonitrile

Concen: 94.720 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

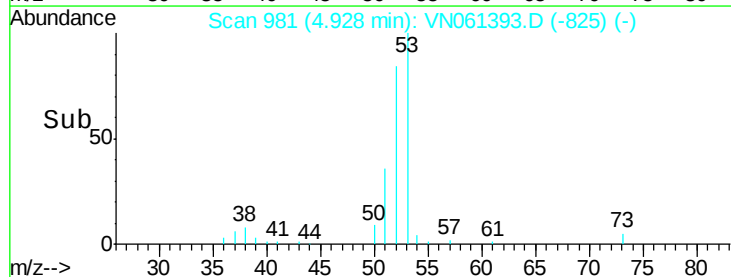
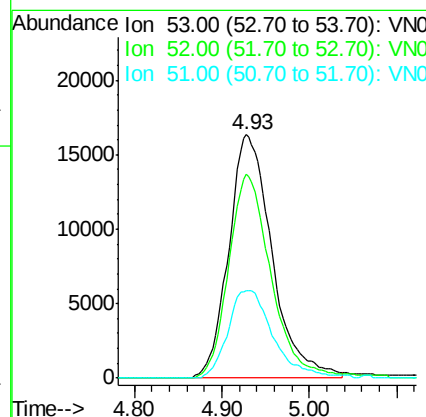
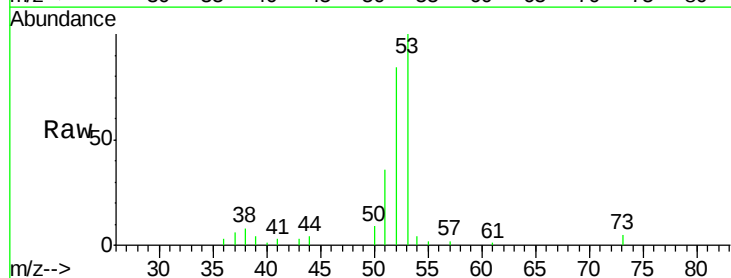
Tgt Ion: 53 Resp: 56214

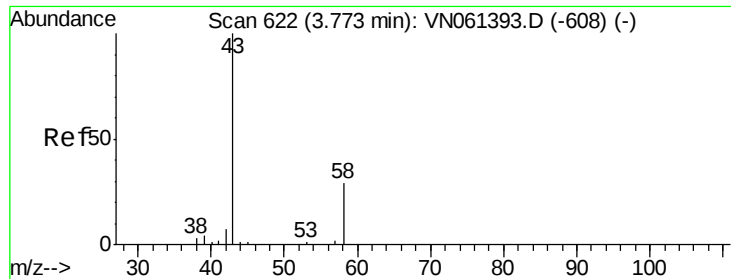
Ion Ratio Lower Upper

53 100

52 81.1 42.2 126.6

51 37.2 18.8 56.4





#15

Acetone

Concen: 79.934 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 13613

Ion Ratio Lower Upper

58 100

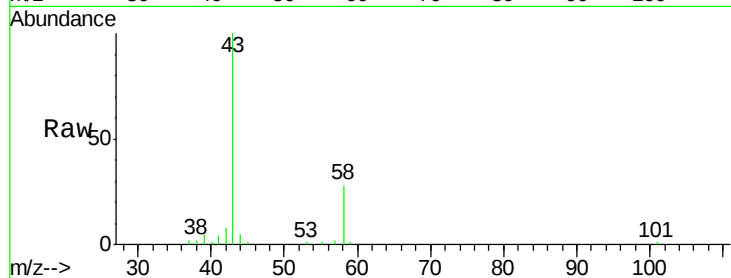
43 348.4 281.7 422.5

Manual Integrations

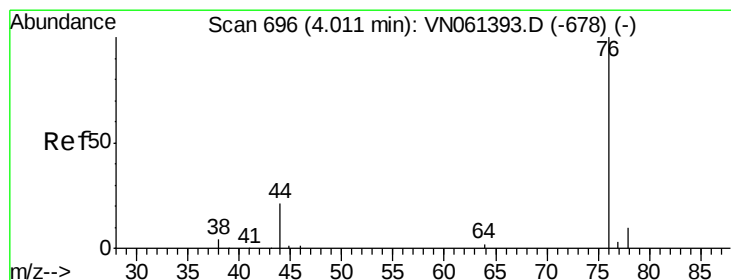
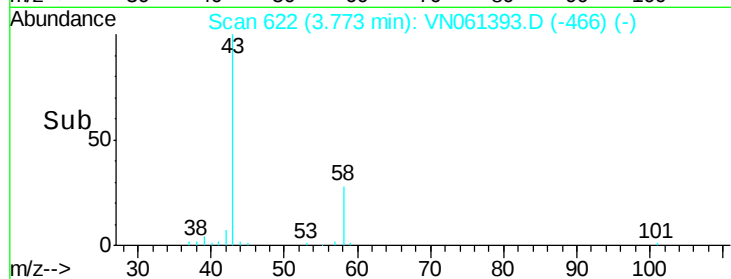
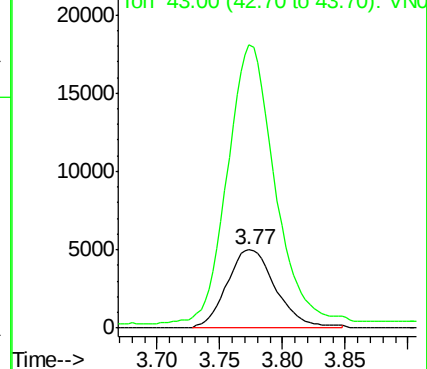
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Abundance Ion 58.00 (57.70 to 58.70): VN061393.D (-608) (-)



#16

Carbon Disulfide

Concen: 21.443 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061393.D

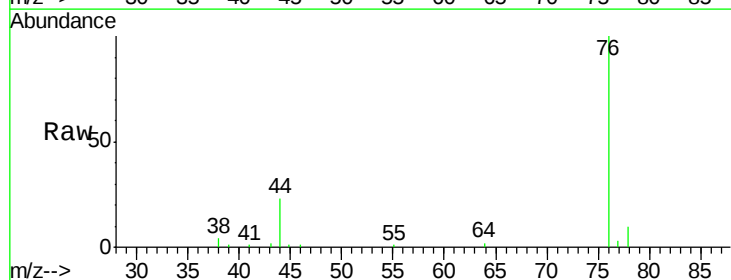
Acq: 14 May 2020 14:37

Tgt Ion: 76 Resp: 60068

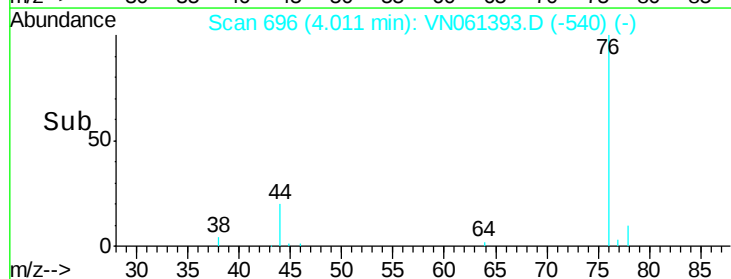
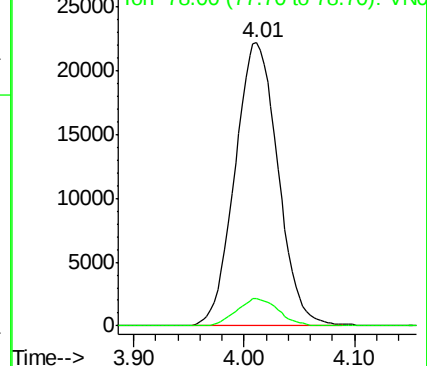
Ion Ratio Lower Upper

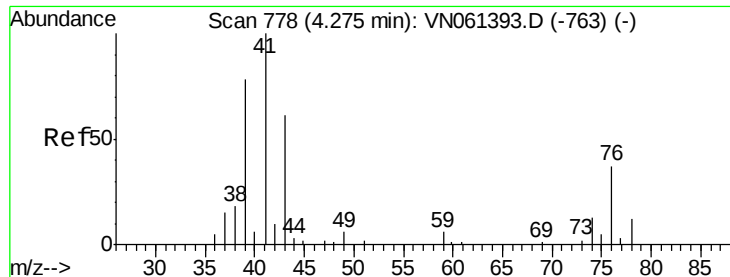
76 100

78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN061393.D (-678) (-)





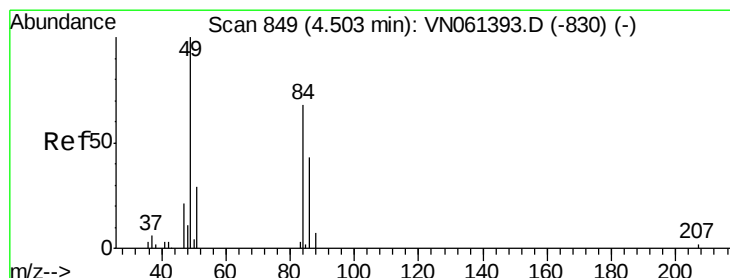
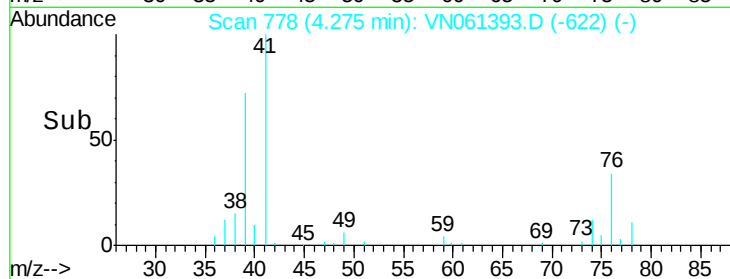
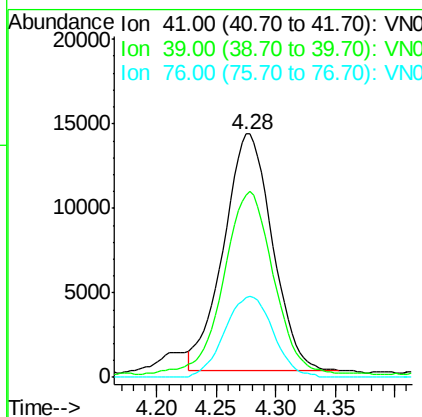
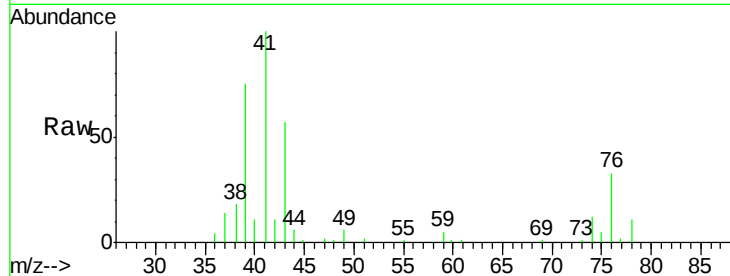
#17
Allvl chloride
Concen: 20.878 ug/l
RT: 4.28 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	41	Resp:	39694
Ion	Ratio	Lower	Upper
41	100		
39	75.5	39.6	118.8
76	33.7	17.6	52.9

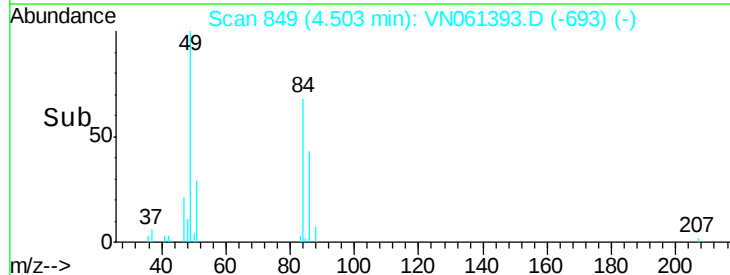
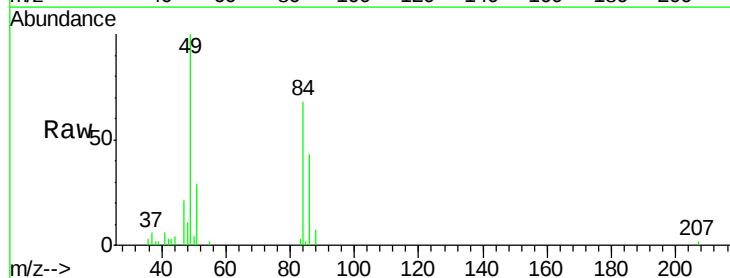
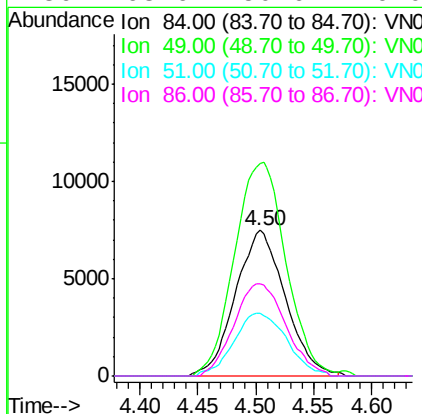
Manual Integrations
APPROVED

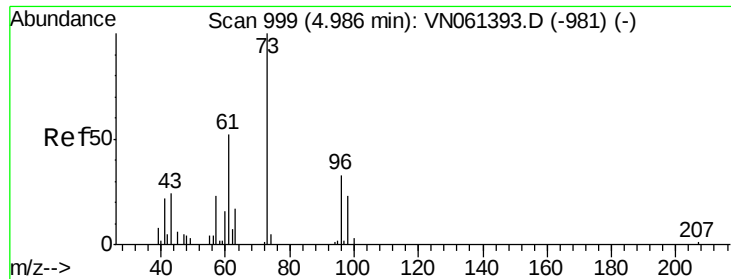
MMDadoda
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#18
Methylene Chloride
Concen: 19.639 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion:	84	Resp:	22351
Ion	Ratio	Lower	Upper
84	100		
49	146.6	106.6	160.0
51	42.7	32.4	48.6
86	63.6	50.6	76.0





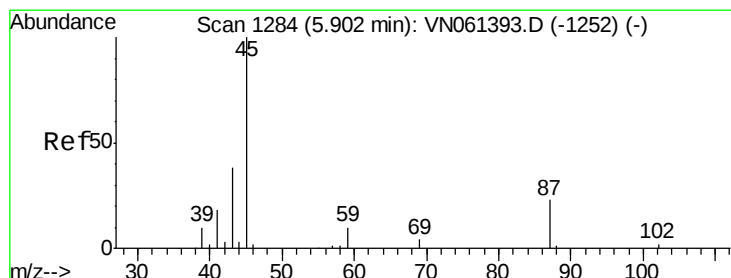
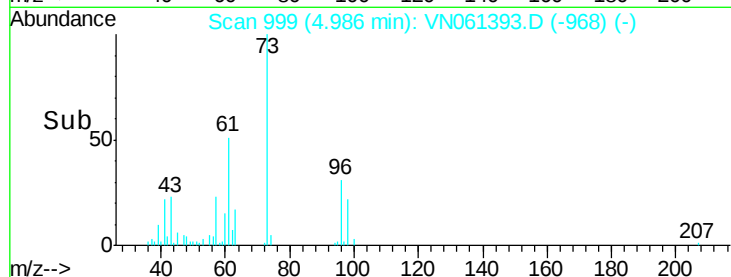
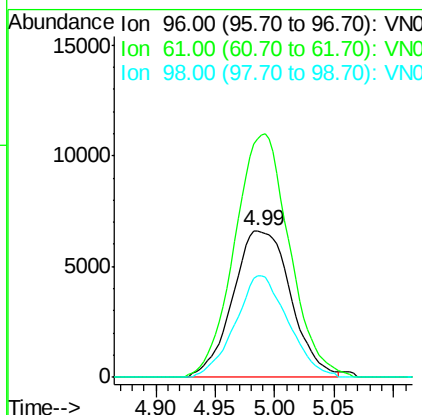
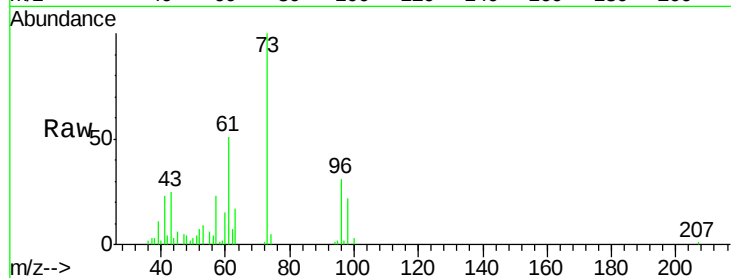
#19
trans-1,2-Dichloroethene
Concen: 21.386 ug/l
RT: 4.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.1	131.8	197.6
98	69.7	52.6	79.0

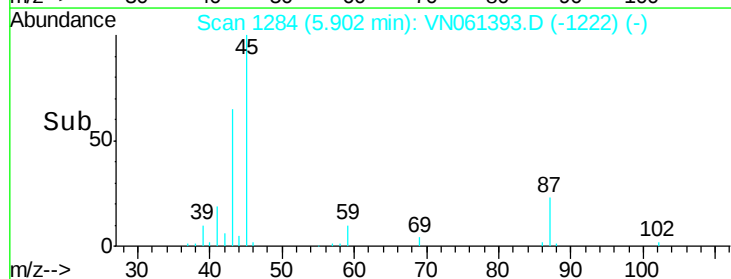
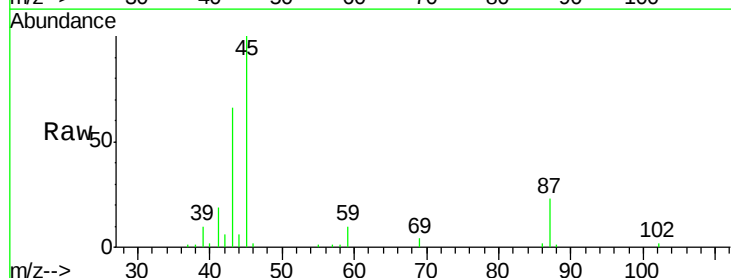
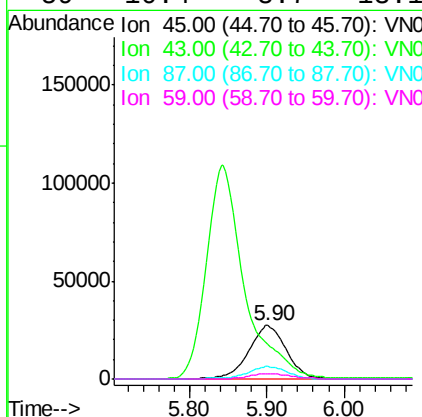
Manual Integrations
APPROVED

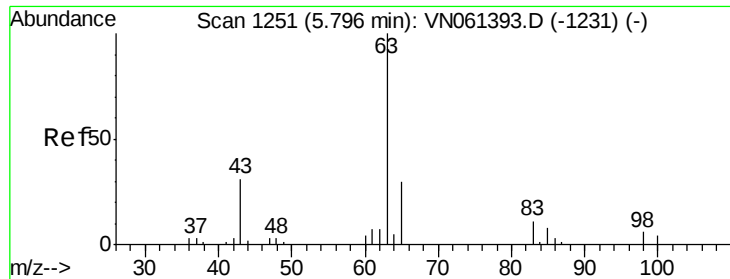
MMDadoda
5/15/2020 2:10:38 PM



#20
Diisopropyl ether
Concen: 23.086 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.4	54.7	82.1
87	23.3	21.5	32.3
59	10.4	8.7	13.1





#21

1,1-Dichloroethane

Concen: 22.058 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

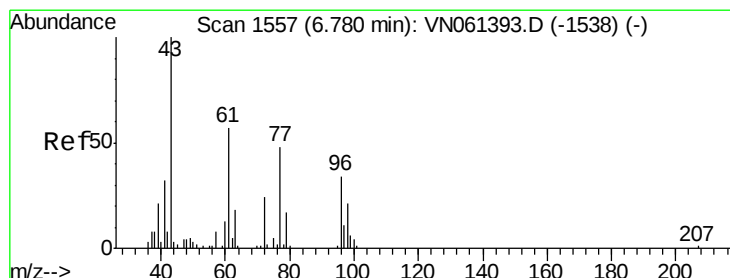
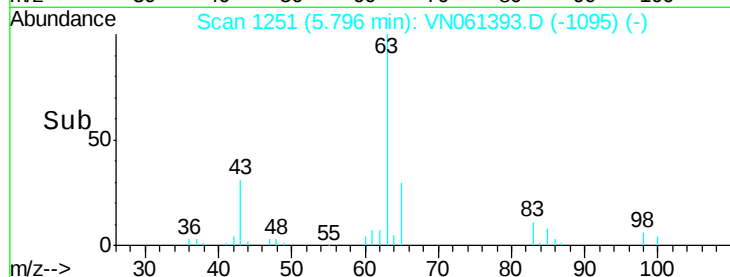
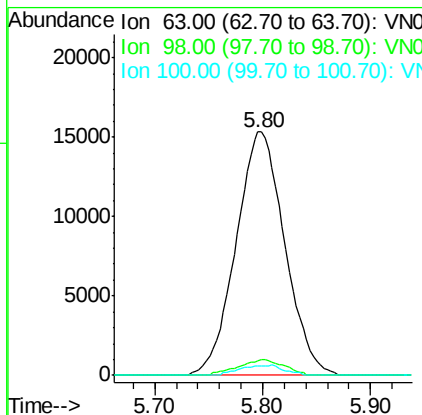
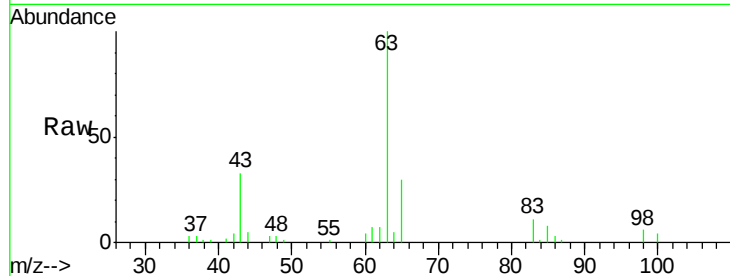
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	48004
Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.9	8.6
100	3.8	1.8	5.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 21.592 ug/l

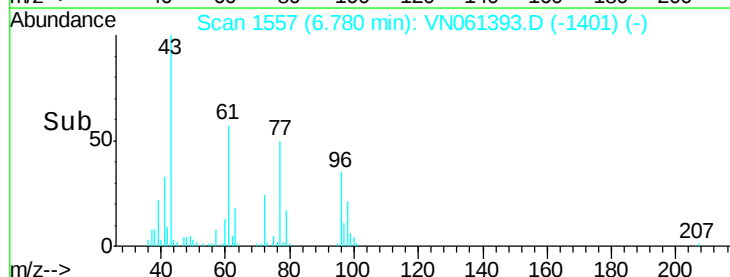
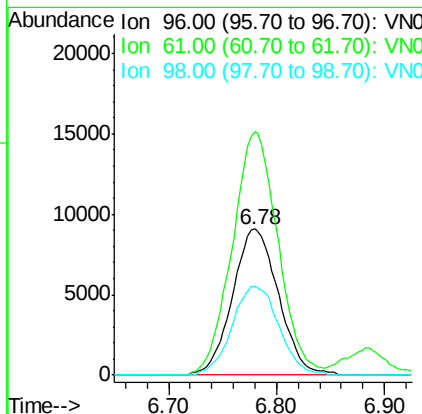
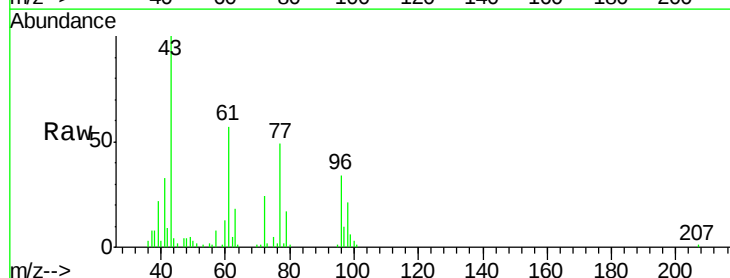
RT: 6.78 min Scan# 1557

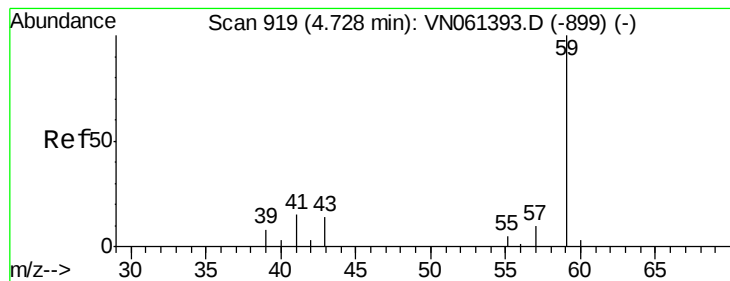
Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Tgt Ion:	96	Resp:	26959
Ion	Ratio	Lower	Upper
96	100		
61	165.0	127.2	190.8
98	61.8	50.5	75.7





#23

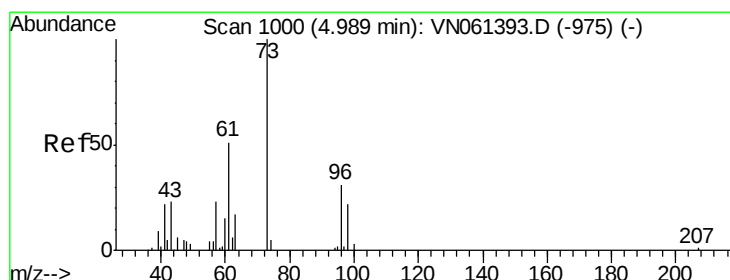
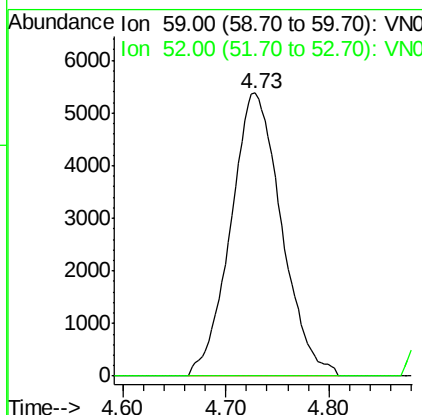
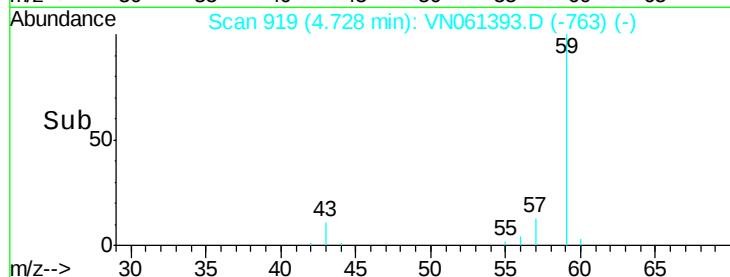
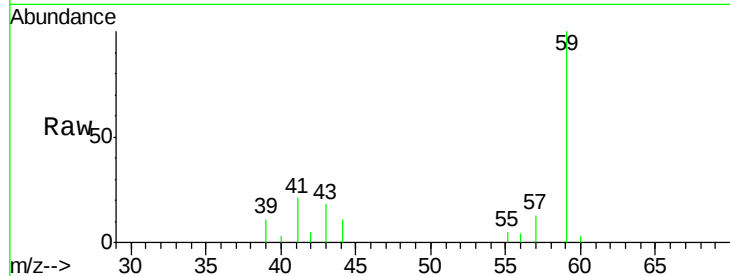
tert-Butyl Alcohol
 Concen: 79.019 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		18447		
52	0.0		0.0	0.0	0.0

Manual Integrations
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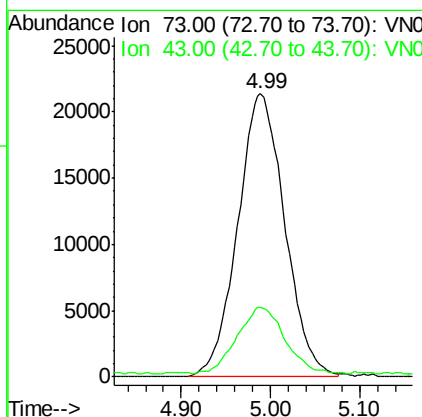
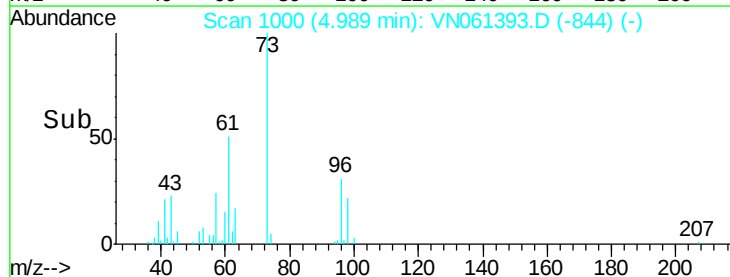
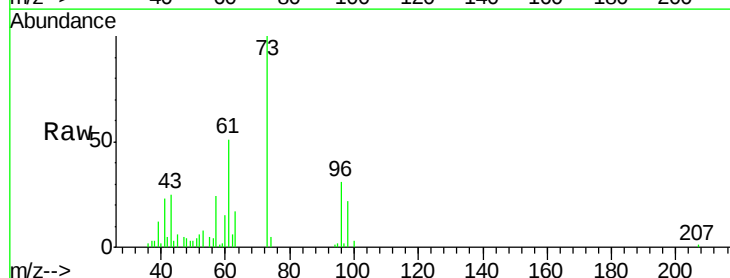
MMDadoda
 5/15/2020 2:10:38 PM

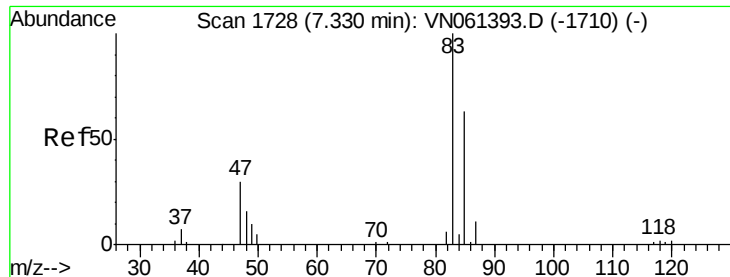


#24

Methyl tert-Butyl Ether
 Concen: 21.742 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		78343		
43	23.5		17.9	26.9	





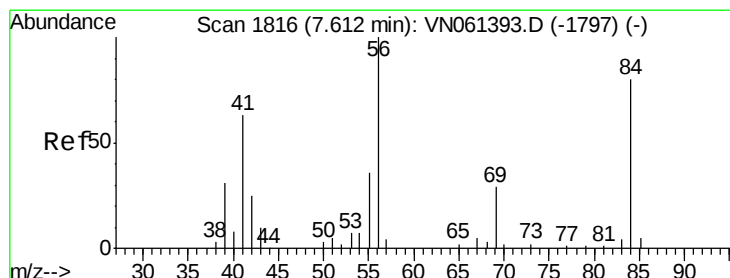
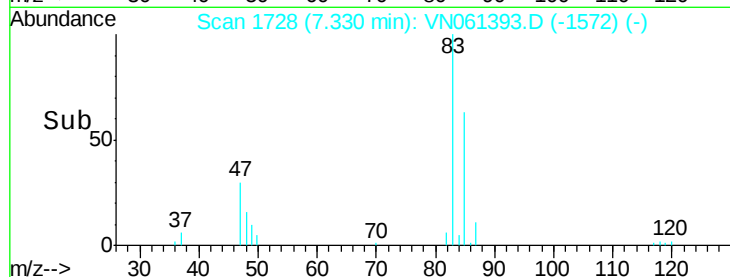
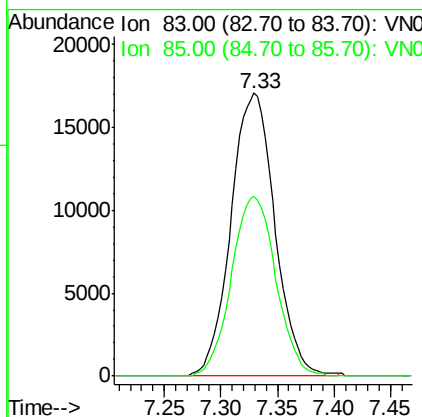
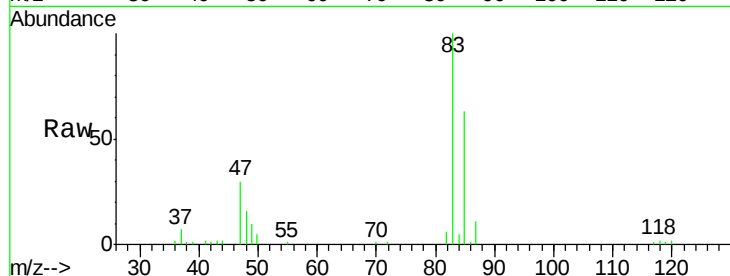
#25
Chloroform
Concen: 21.400 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	46028
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	53.8	80.8

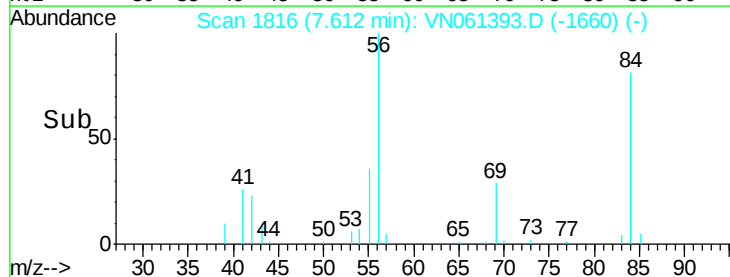
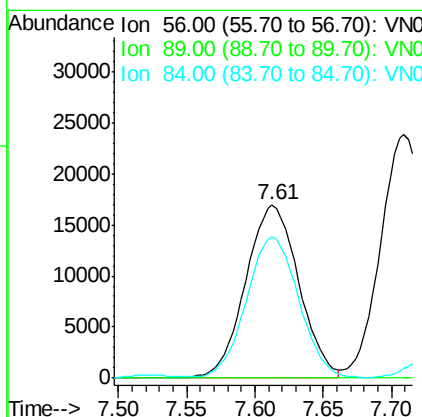
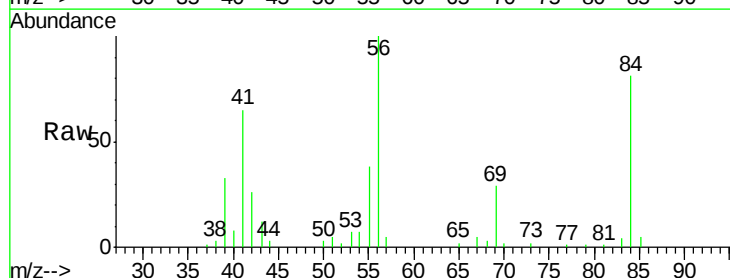
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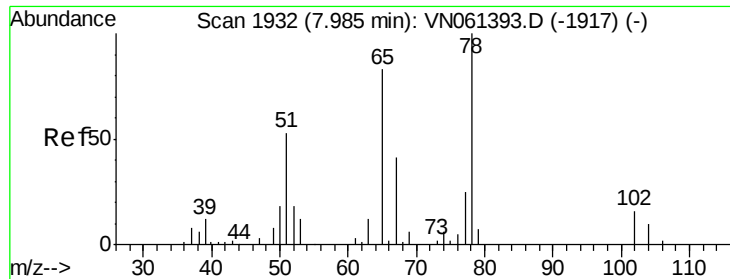
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#26
Cyclohexane
Concen: 23.442 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion	56	Resp	45792
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	6.2	9.2#
84	80.6	65.6	98.4





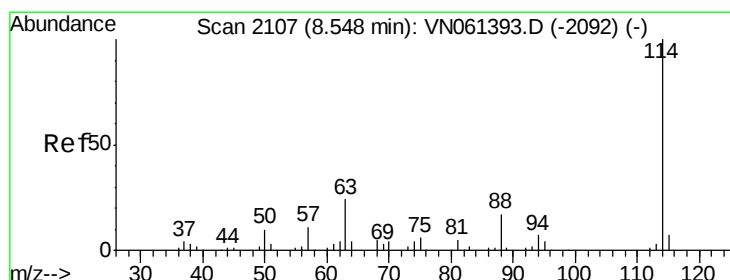
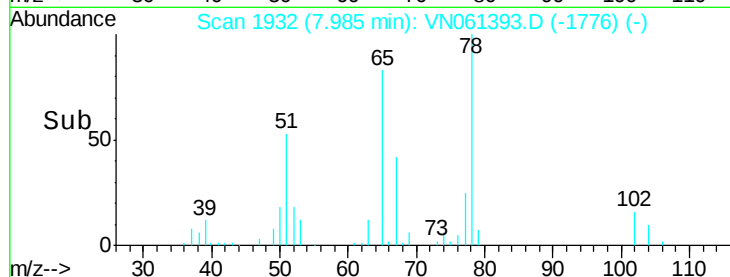
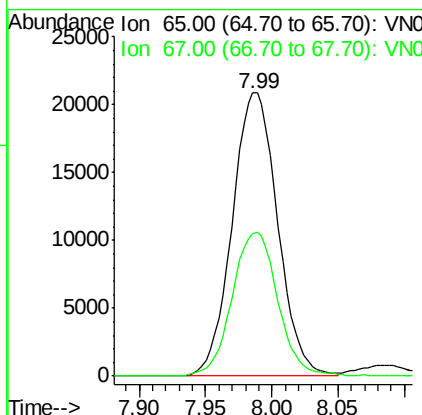
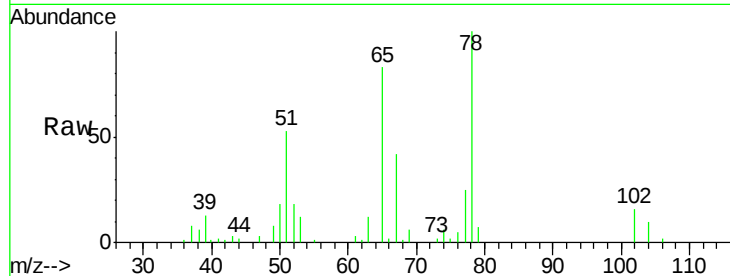
#27
 1,2-Dichloroethane-d4
 Concen: 31.848 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 65 Resp: 49706
 Ion Ratio Lower Upper
 65 100
 67 51.0 41.5 62.3

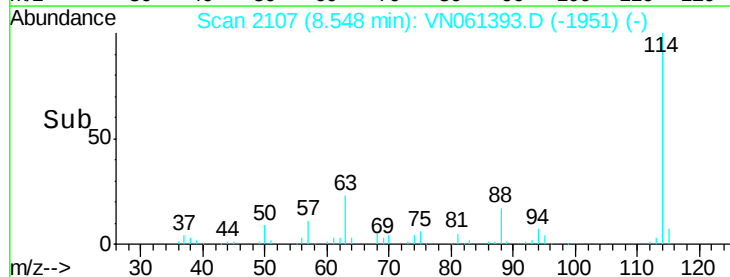
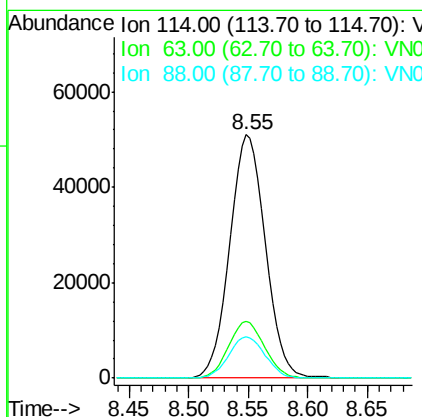
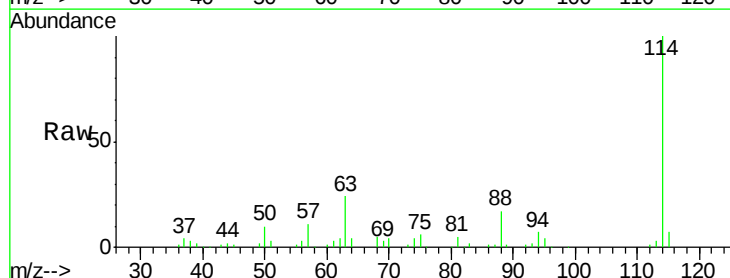
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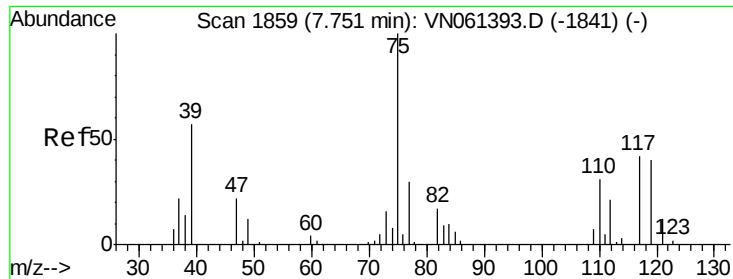
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion: 114 Resp: 106036
 Ion Ratio Lower Upper
 114 100
 63 23.5 18.1 27.1
 88 17.2 13.0 19.4





#29

1,1-Dichloropropene

Concen: 21.794 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 75 Resp: 37033
Ion Ratio Lower Upper

75 100

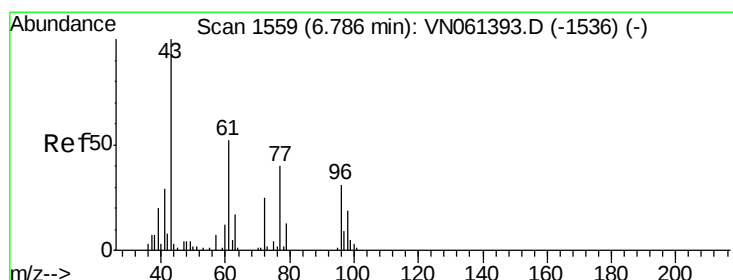
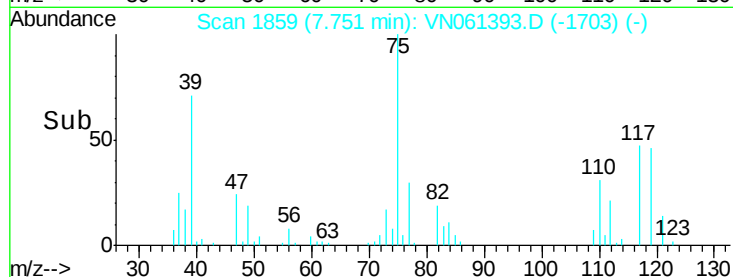
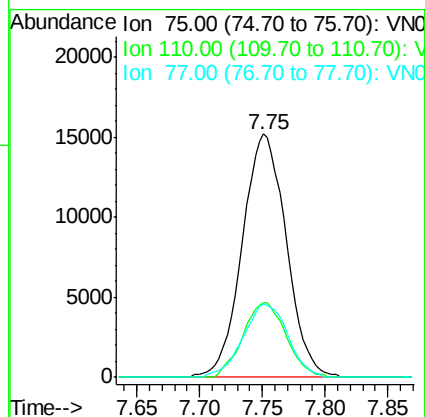
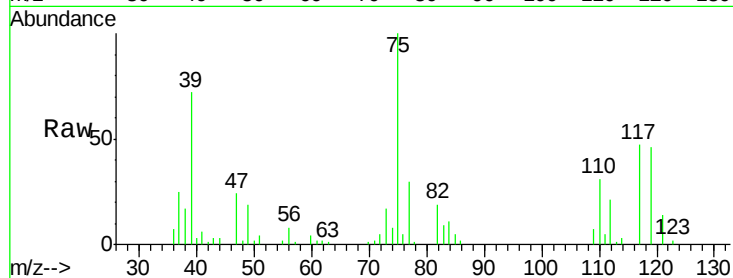
110 30.3 0.0 64.6

77 30.8 0.0 60.8

Manual Integrations
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#30

2-Butanone

Concen: 86.979 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061393.D

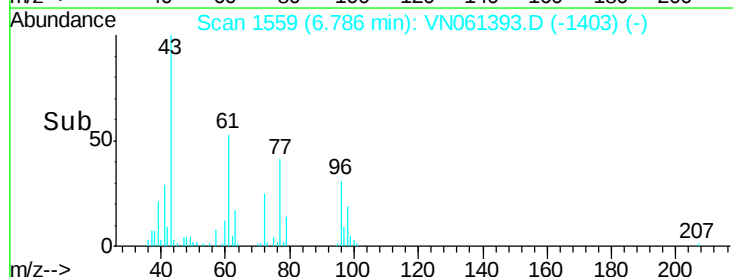
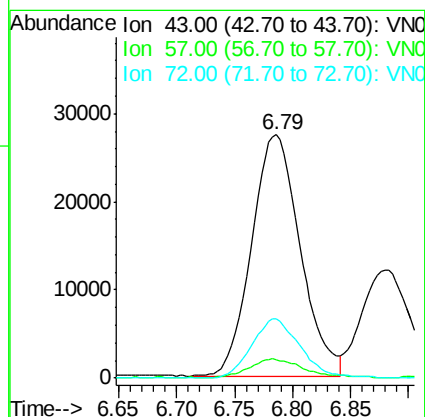
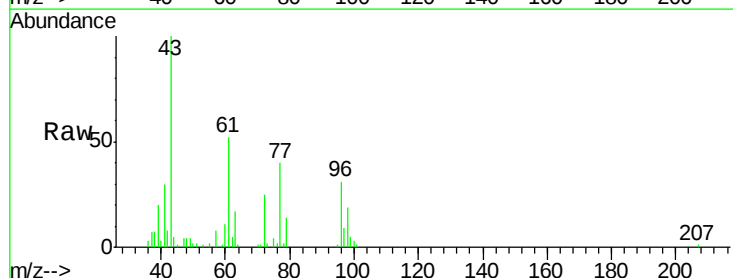
Acq: 14 May 2020 14:37

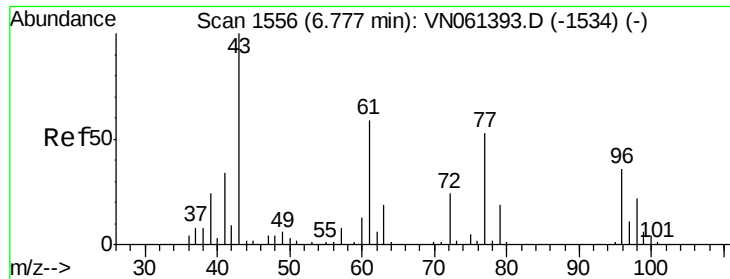
Tgt Ion: 43 Resp: 79732
Ion Ratio Lower Upper

43 100

57 9.0 6.5 9.7

72 24.3 20.1 30.1





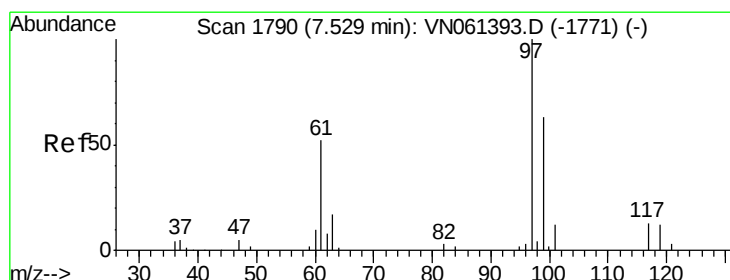
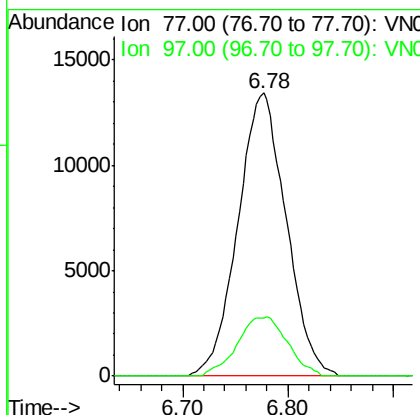
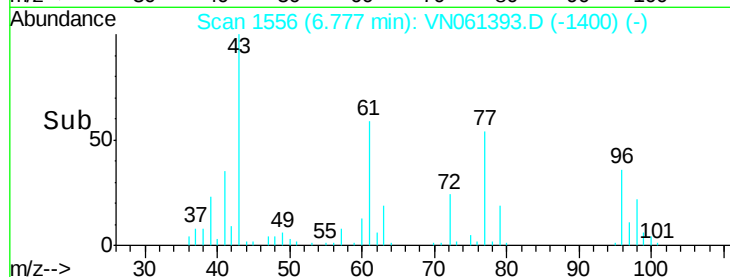
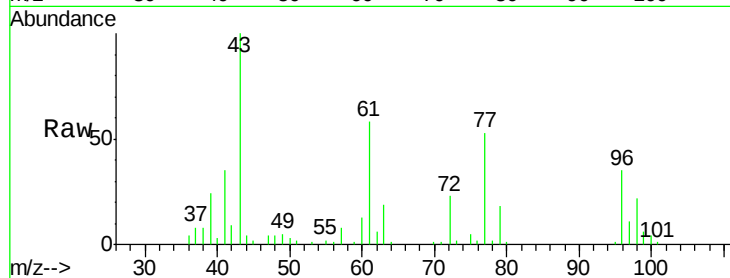
#31
 2,2-Dichloropropane
 Concen: 21.281 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 77 Resp: 42718
 Ion Ratio Lower Upper
 77 100
 97 10.6 17.9 26.9#

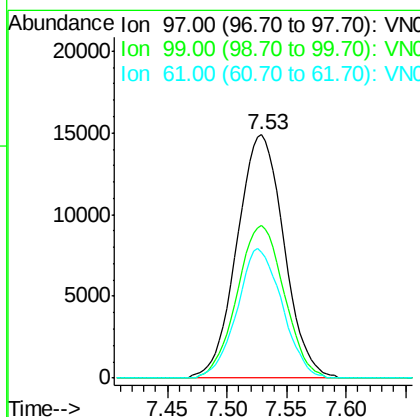
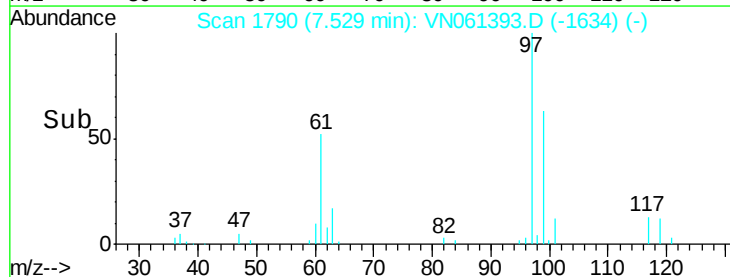
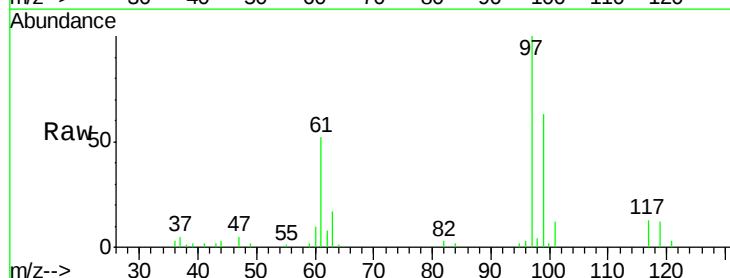
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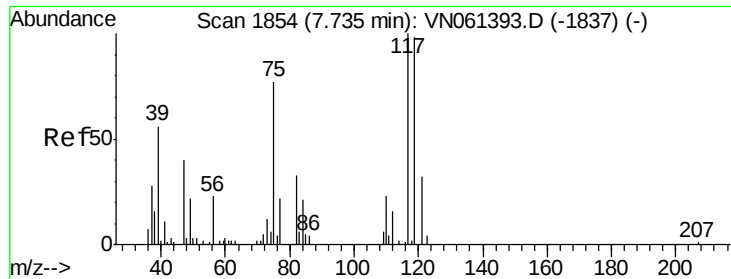
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#32
 1,1,1-Trichloroethane
 Concen: 21.022 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion: 97 Resp: 40734
 Ion Ratio Lower Upper
 97 100
 99 62.9 51.3 76.9
 61 51.0 38.4 57.6





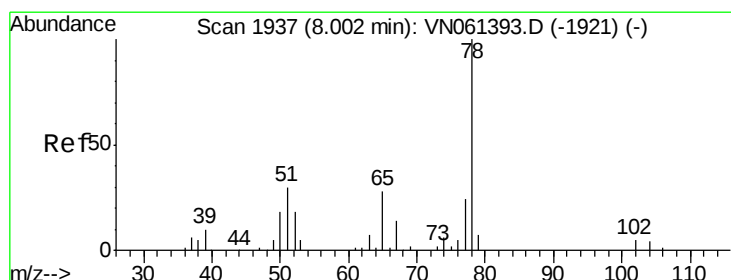
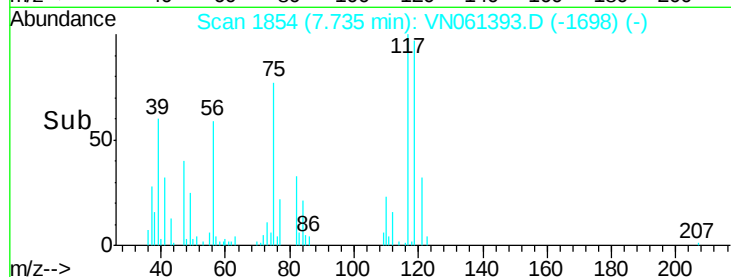
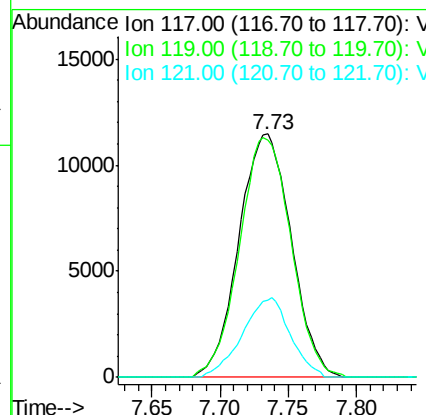
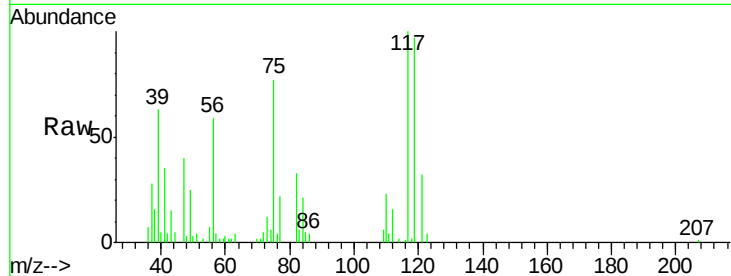
#33
Carbon Tetrachloride
Concen: 18.723 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.9	115.3
121	32.0	23.8	35.8

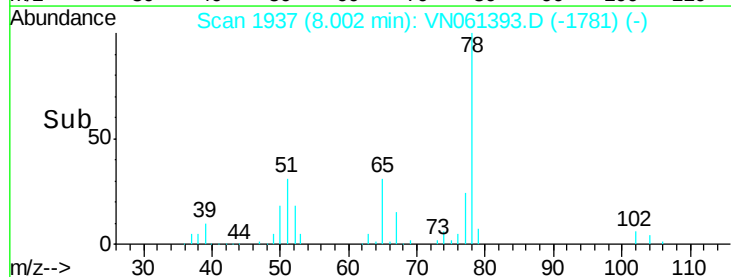
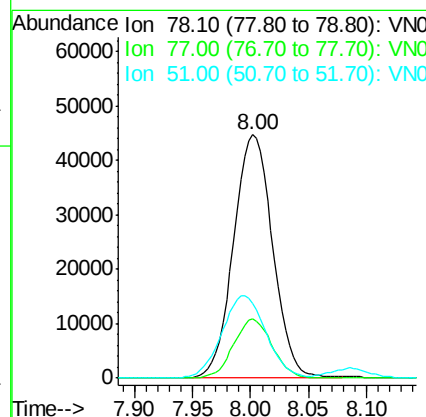
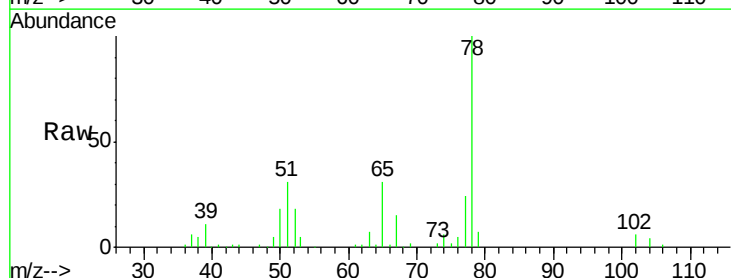
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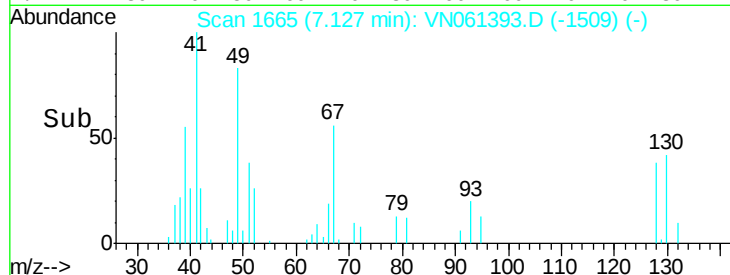
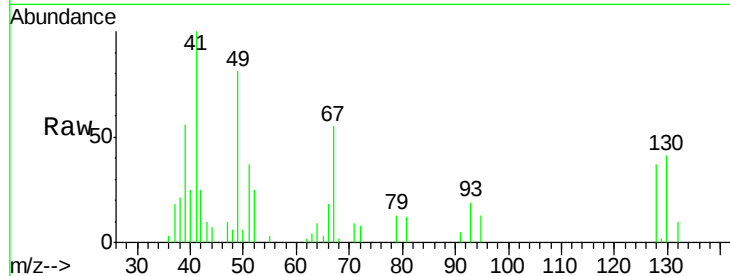
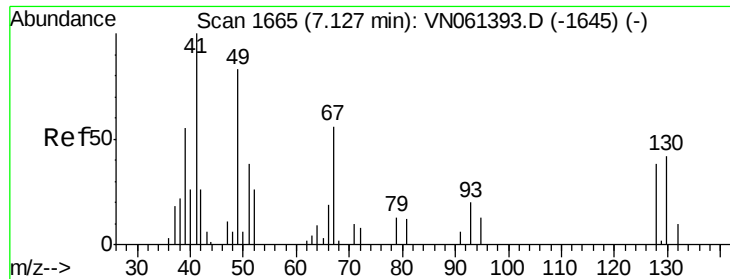
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#34
Benzene
Concen: 21.245 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

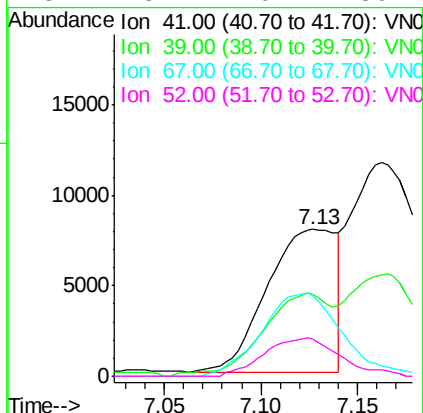
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8
51	29.7	22.1	33.1





#35
Methacrylonitrile
Concen: 22.818 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

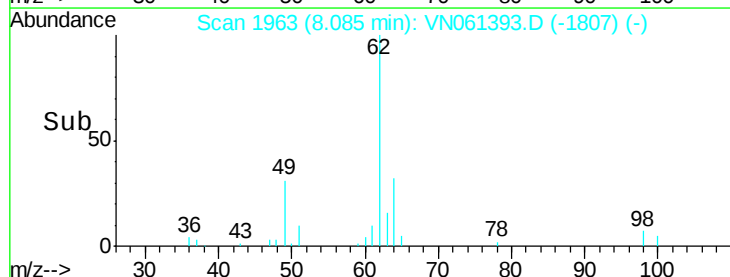
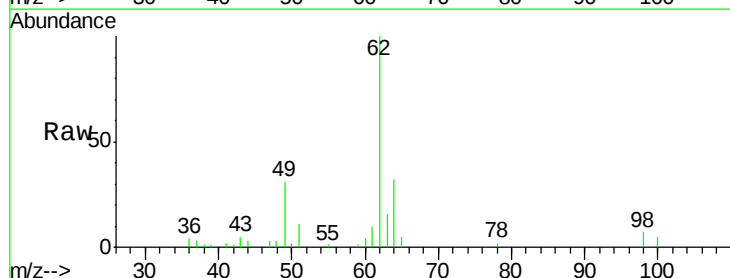
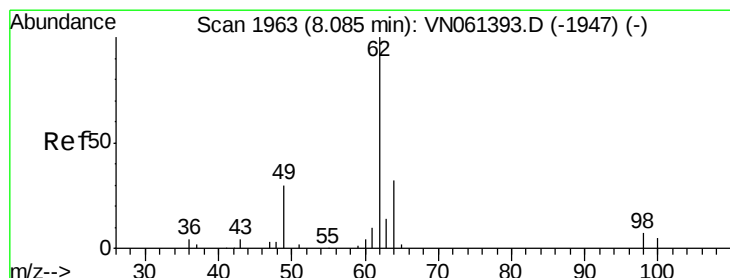
Tot Ion	41.00	Resp	19615
Ion	Ratio	Lower	Upper
41	100		
39	54.5	25.8	77.4
67	56.3	23.0	69.0
52	25.7	10.1	30.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

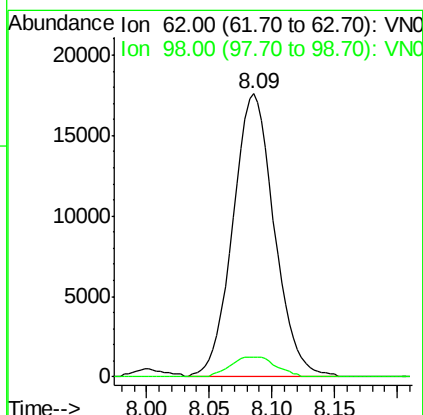
Manual Integrations
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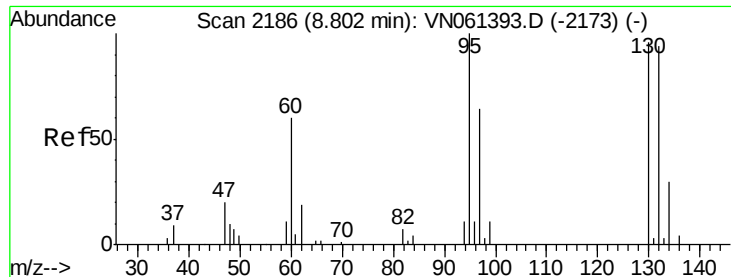
MMDadoda
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#36
1,2-Dichloroethane
Concen: 21.342 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion	62.00	Resp	40473
Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.4	9.6





#37

Trichloroethene

Concen: 20.873 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion:130 Resp: 25320

Ion Ratio Lower Upper

130 100

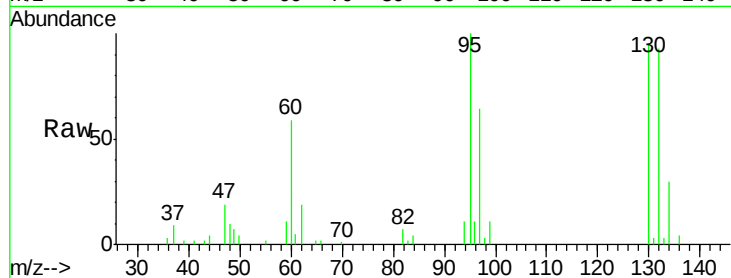
95 103.9 83.2 124.8

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Abundance Ion 129.90 (129.60 to 130.60): VN061393.D (-2173) (-)

Ion 94.90 (94.60 to 95.60): VN061393.D (-2173) (-)

8.80

15000

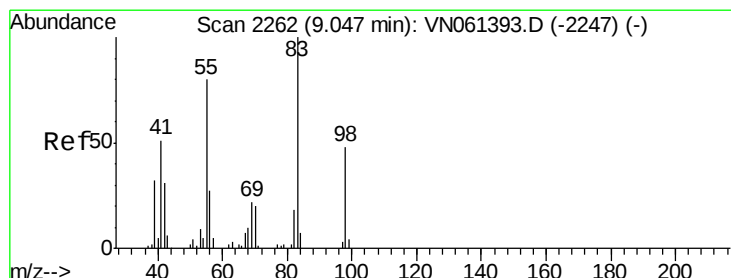
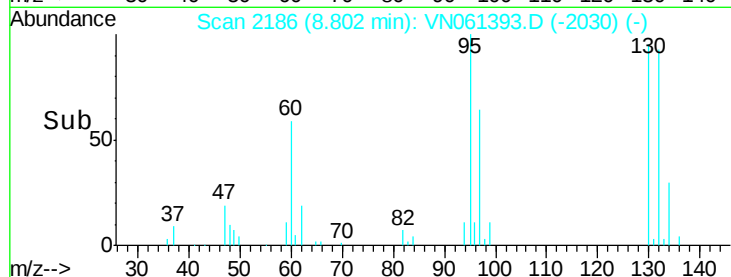
10000

5000

0

8.75 8.80 8.85

Time-->



#38

Methylcyclohexane

Concen: 22.259 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

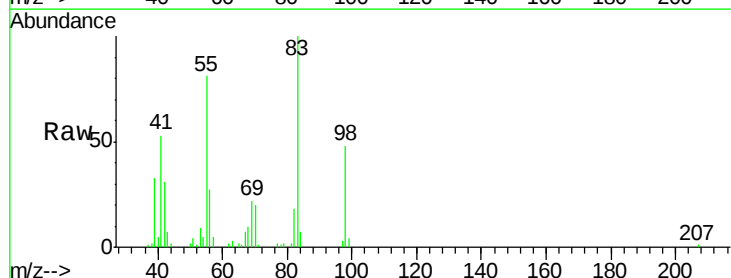
Tgt Ion: 83 Resp: 44296

Ion Ratio Lower Upper

83 100

55 81.1 40.4 121.1

98 46.6 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN061393.D (-2247) (-)

Ion 55.00 (54.70 to 55.70): VN061393.D (-2247) (-)

Ion 98.00 (97.70 to 98.70): VN061393.D (-2247) (-)

9.05

25000

20000

15000

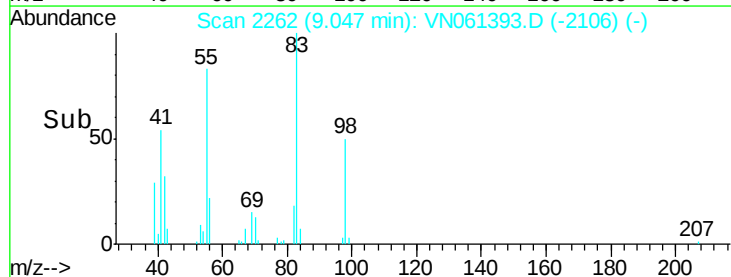
10000

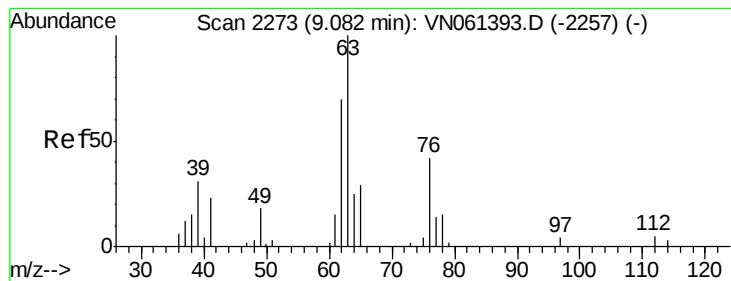
5000

0

8.95 9.00 9.05 9.10

Time-->





#39

1,2-Dichloropropane

Concen: 21.616 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 63 Resp: 29330

Ion Ratio Lower Upper

63 100

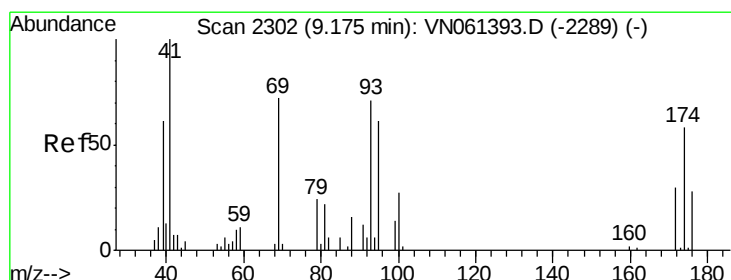
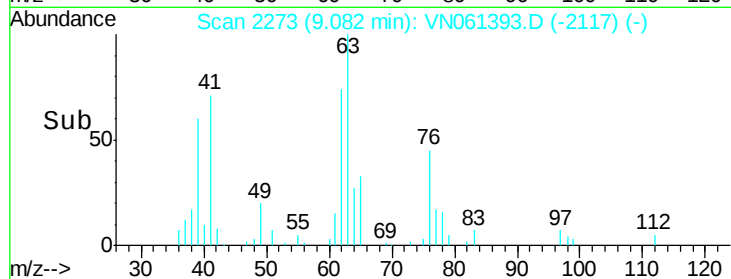
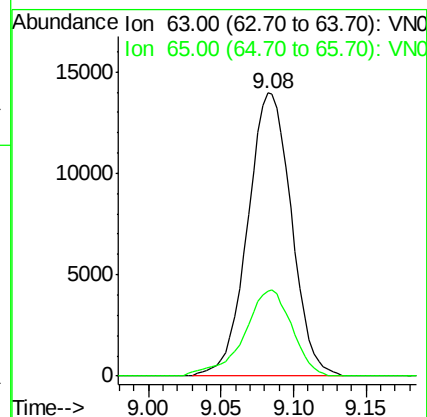
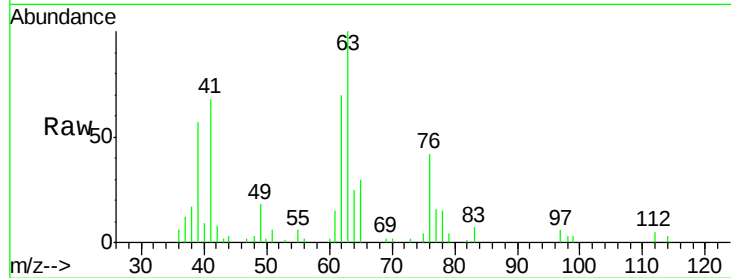
65 30.2 23.8 35.6

Manual Integrations

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#40

Dibromomethane

Concen: 20.524 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

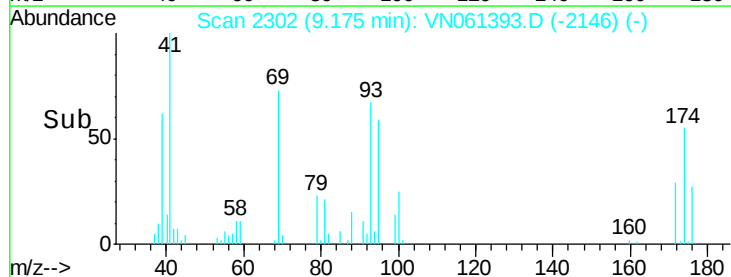
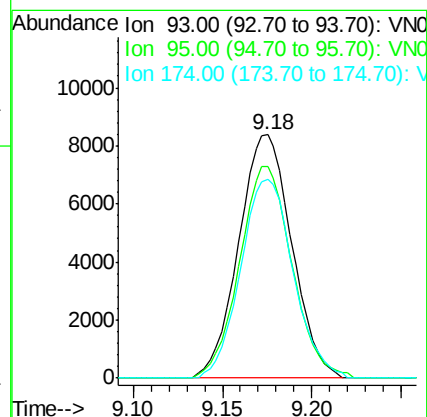
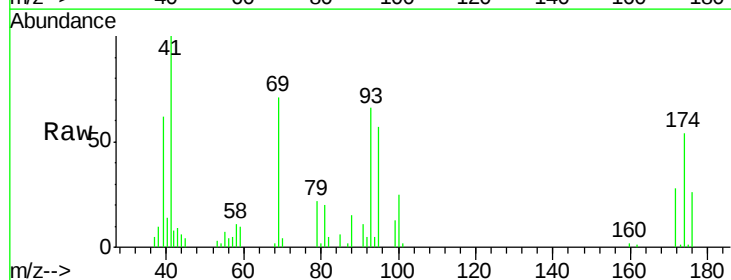
Tgt Ion: 93 Resp: 17379

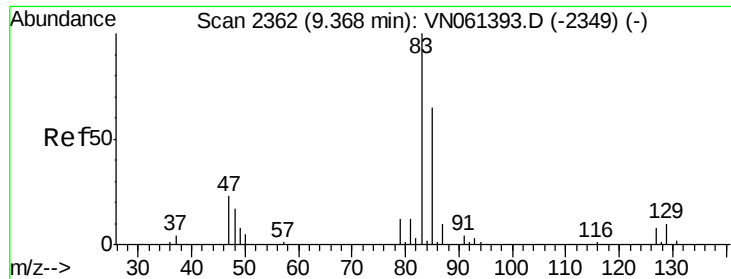
Ion Ratio Lower Upper

93 100

95 85.7 0.0 167.6

174 81.0 0.0 187.2





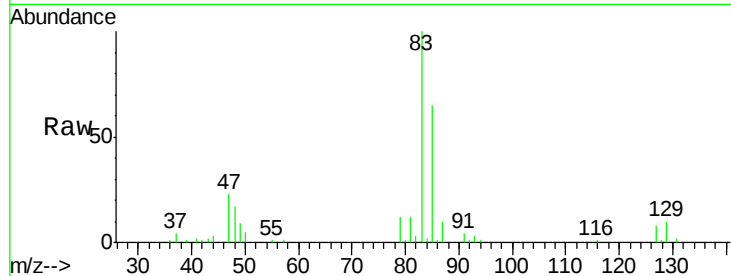
#41
 Bromodichloromethane
 Concen: 21.837 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

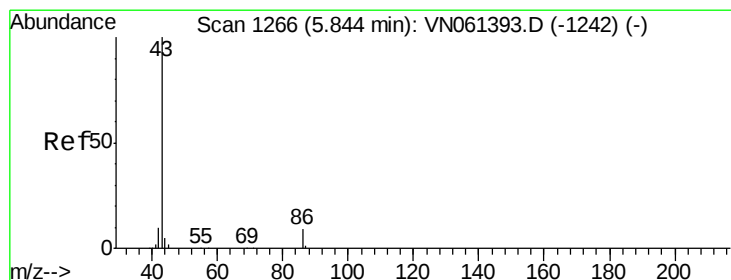
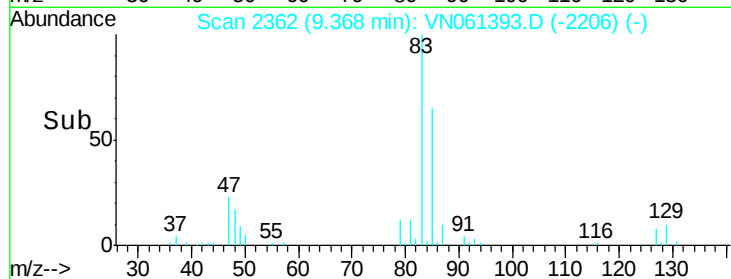
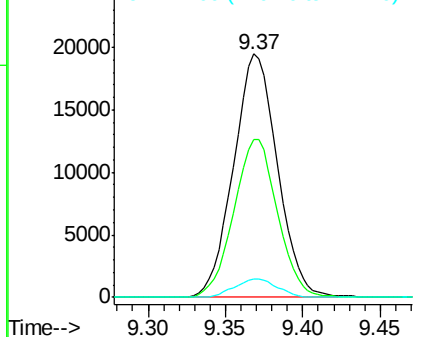
Tot Ion	83	Resp	38466
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.0	76.4
127	7.5	6.6	9.8

Manual Integrations
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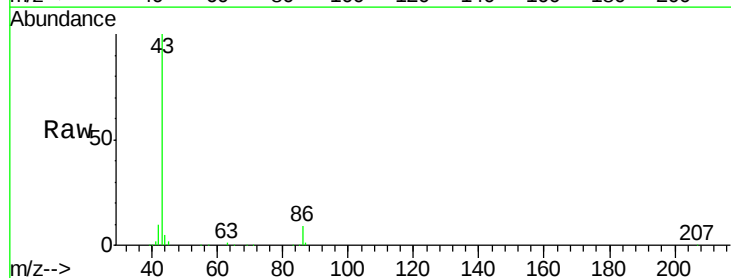


Abundance Ion 83.00 (82.70 to 83.70): VN061393.D (-2349) (-)
 Ion 85.00 (84.70 to 85.70): VN061393.D (-2349) (-)
 Ion 127.00 (126.70 to 127.70): VN061393.D (-2349) (-)

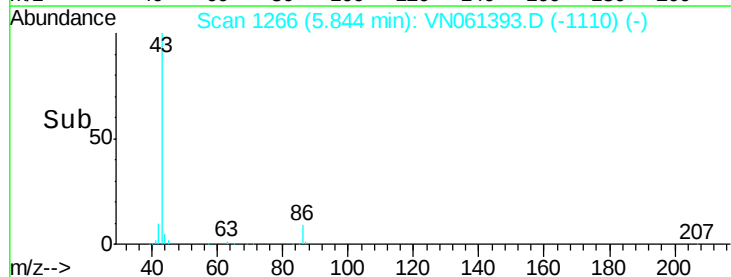
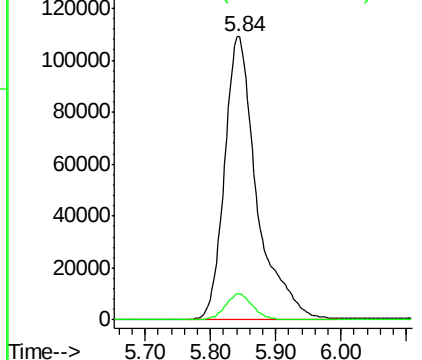


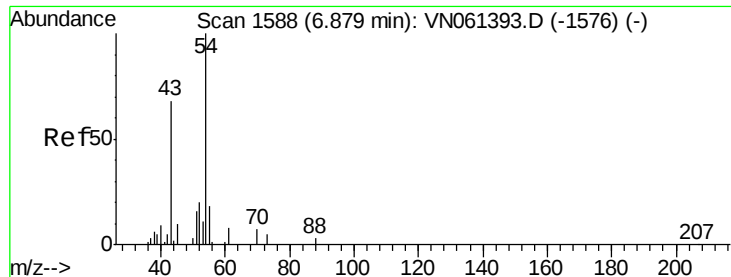
#42
 Vinyl Acetate
 Concen: 111.309 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion	43	Resp	372595
Ion Ratio	100	Lower	Upper
43	100		
86	7.9	6.5	9.7



Abundance Ion 43.00 (42.70 to 43.70): VN061393.D (-1242) (-)
 Ion 86.00 (85.70 to 86.70): VN061393.D (-1242) (-)





#43

Ethyl Acetate

Concen: 19.713 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 43 Resp: 36141

Ion Ratio Lower Upper

43 100

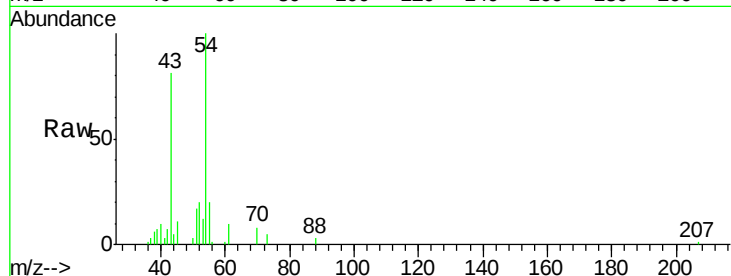
45 14.3 9.7 14.5

Manual Integrations

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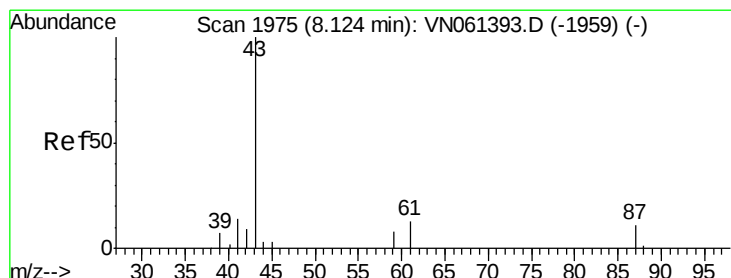
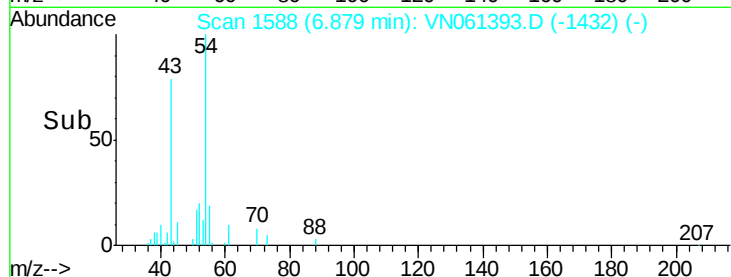
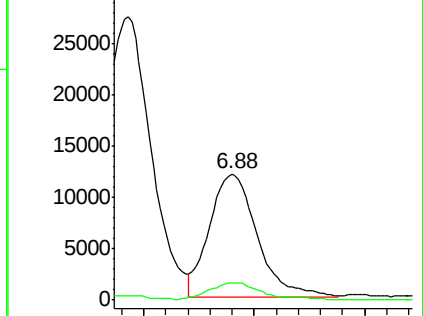
MMDadoda

5/15/2020 2:10:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 21.627 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN061393.D

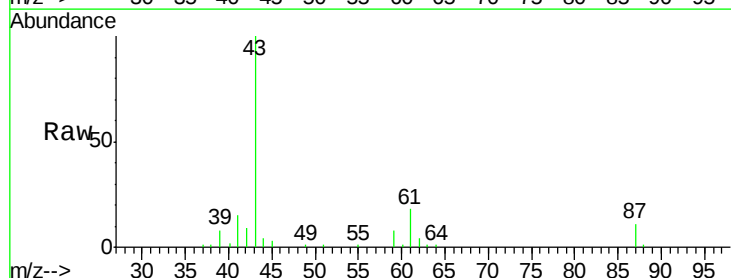
Acq: 14 May 2020 14:37

Tgt Ion: 43 Resp: 66100

Ion Ratio Lower Upper

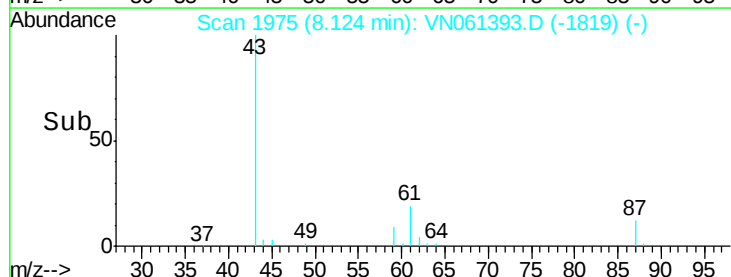
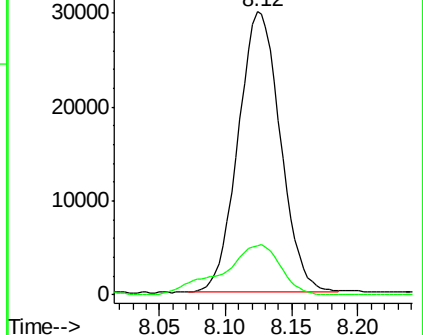
43 100

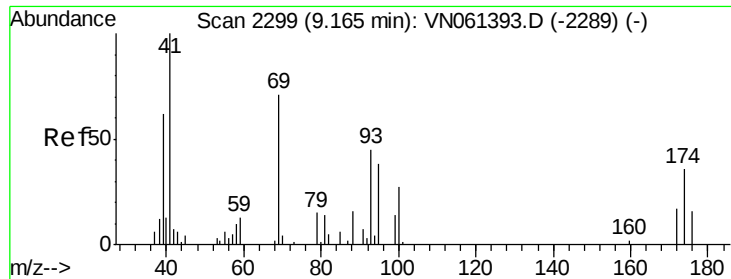
61 24.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





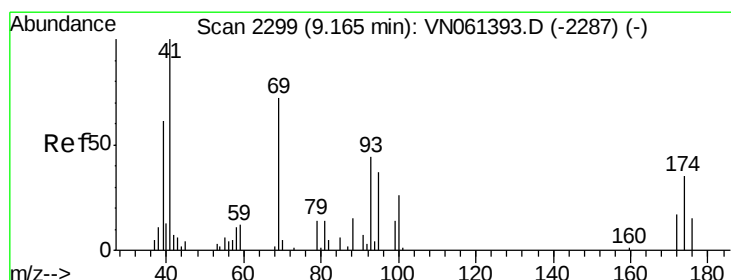
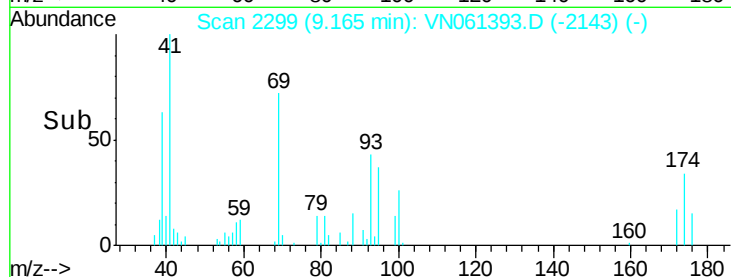
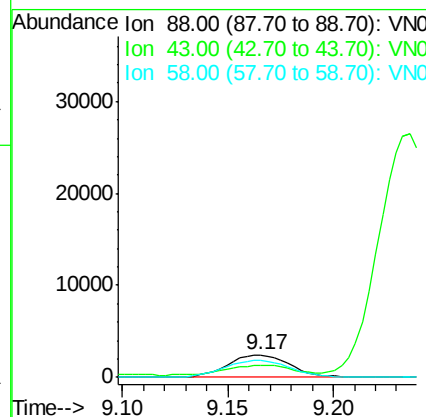
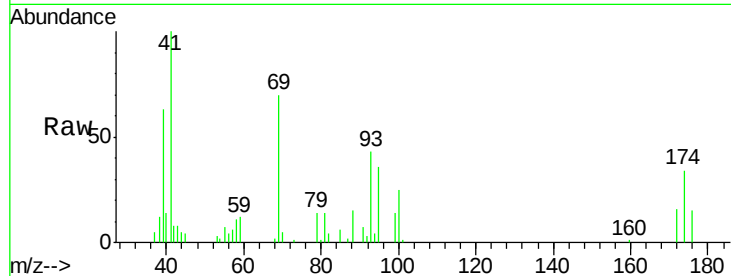
#45
1,4-Dioxane
Concen: 238.424 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.2	29.8	44.8#
58	78.4	58.2	87.4

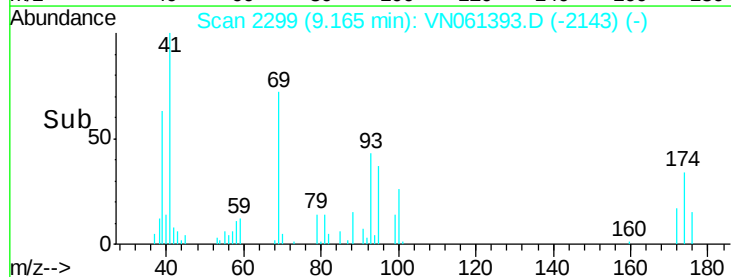
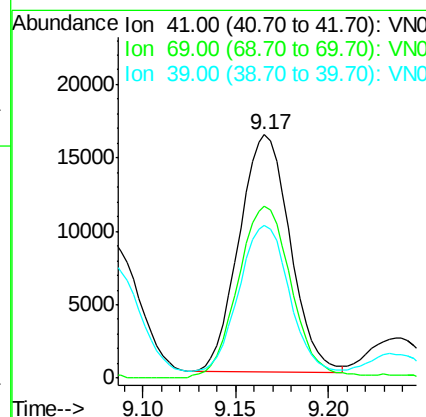
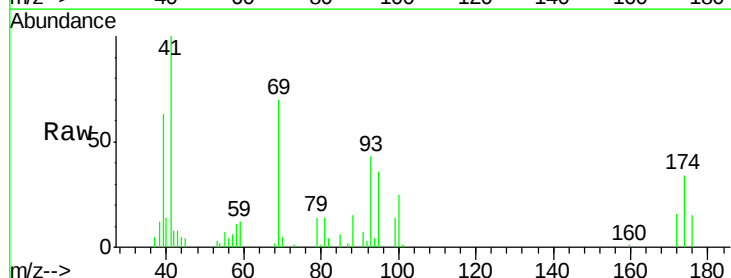
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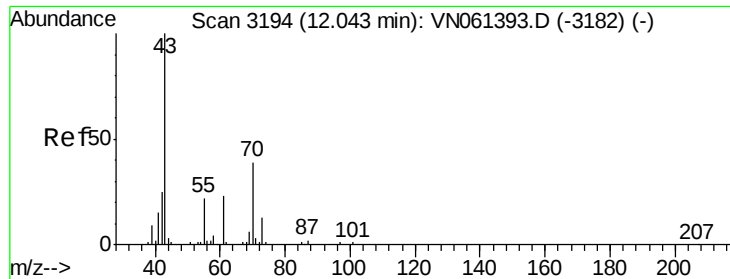
MMDadoda
5/15/2020 2:10:38 PM



#46
Methyl methacrylate
Concen: 21.812 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.5	40.2	120.5
39	61.5	29.9	89.8





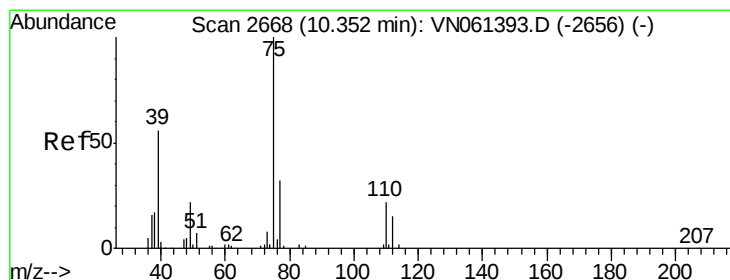
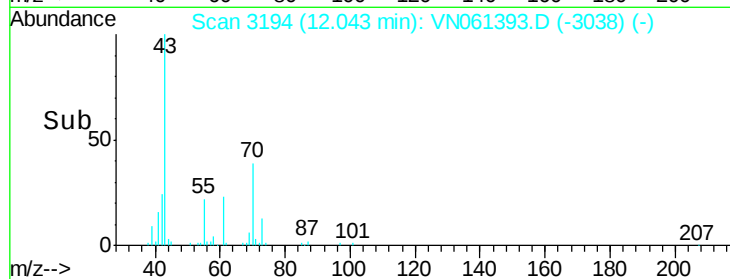
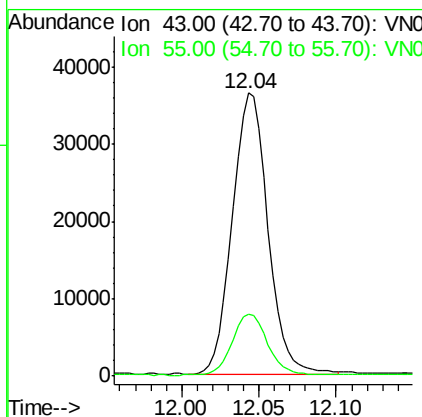
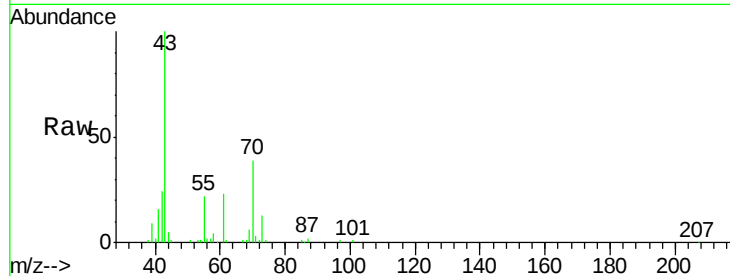
#47
n-amvl Acetate
Concen: 21.284 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 57750
Ion Ratio Lower Upper
43 100
55 23.2 19.6 29.4

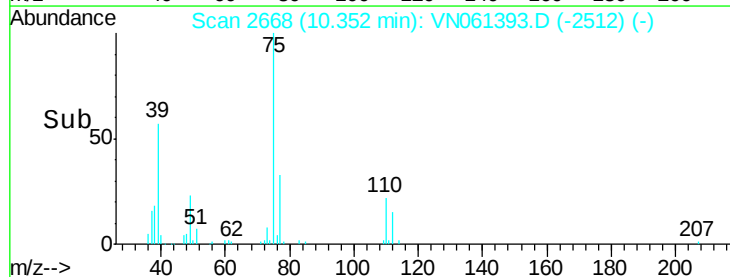
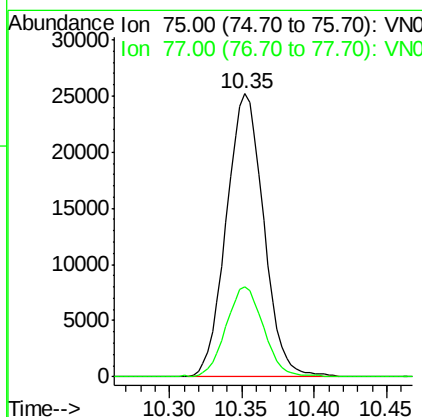
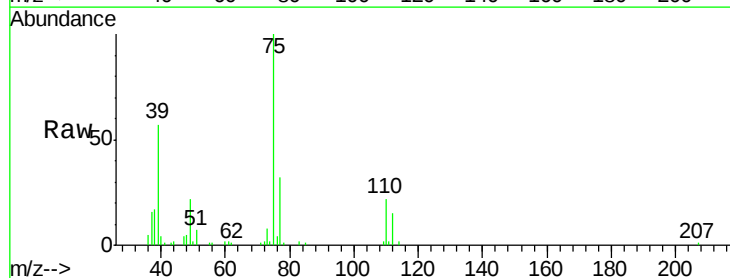
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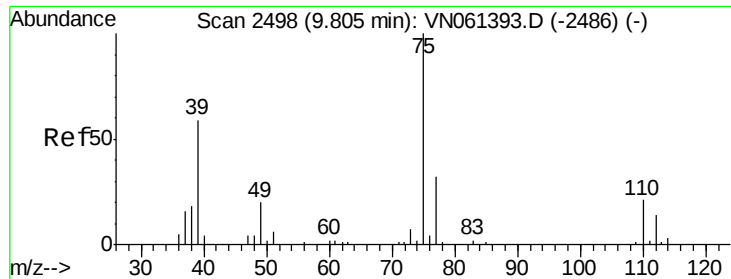
MMDadoda
5/15/2020 2:10:38 PM



#48
t-1,3-Dichloropropene
Concen: 21.985 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion: 75 Resp: 45231
Ion Ratio Lower Upper
75 100
77 32.0 27.0 40.4





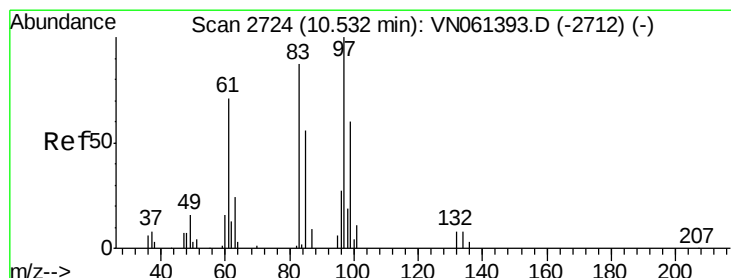
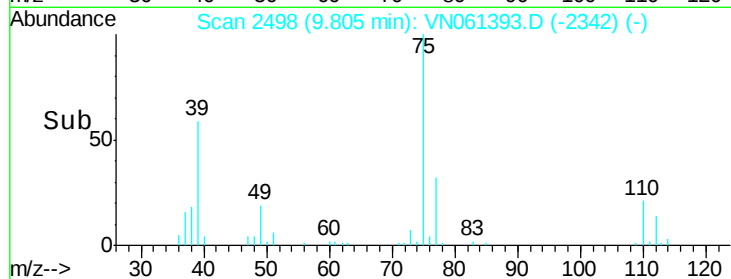
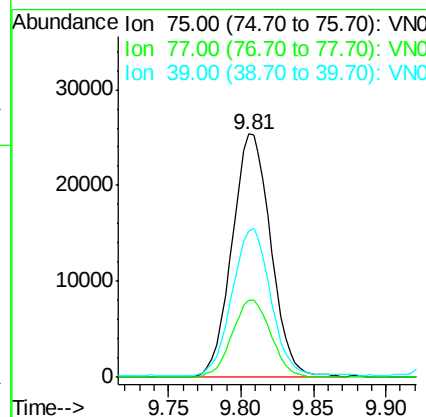
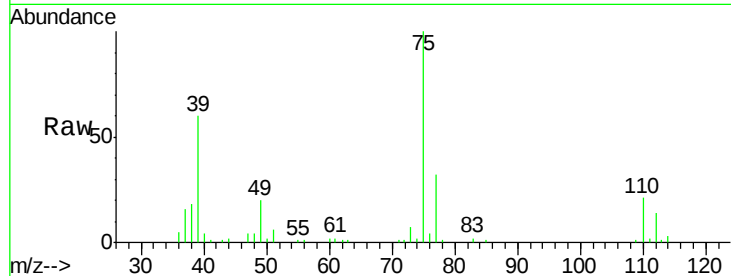
#49
 cis-1,3-Dichloropropene
 Concen: 21.988 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.1	39.1
39	59.4	43.1	64.7

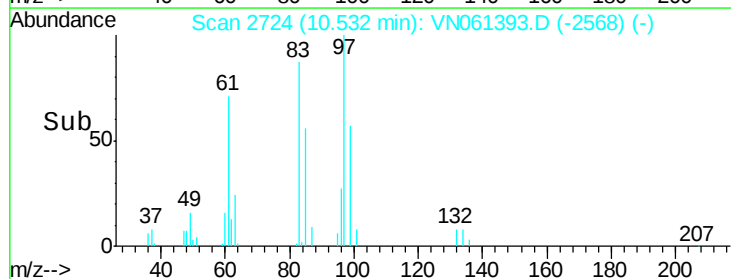
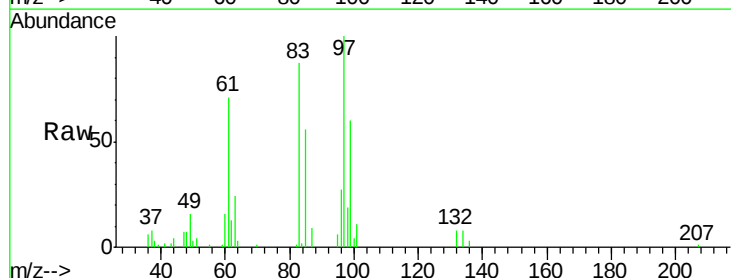
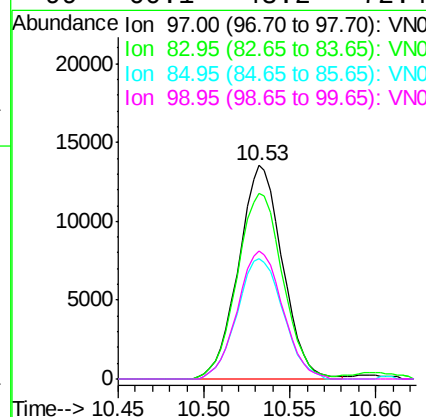
Manual Integrations
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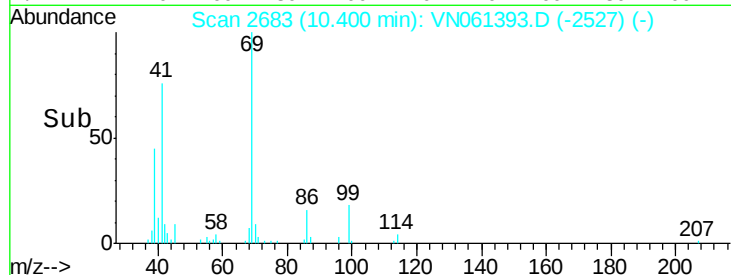
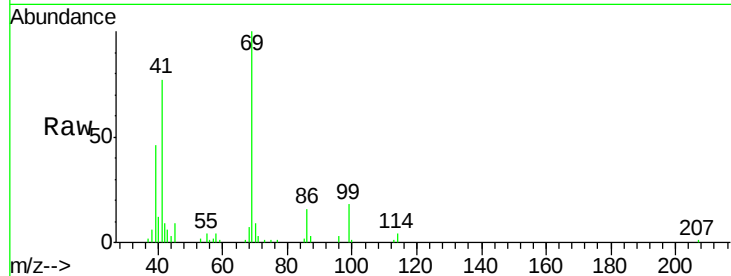
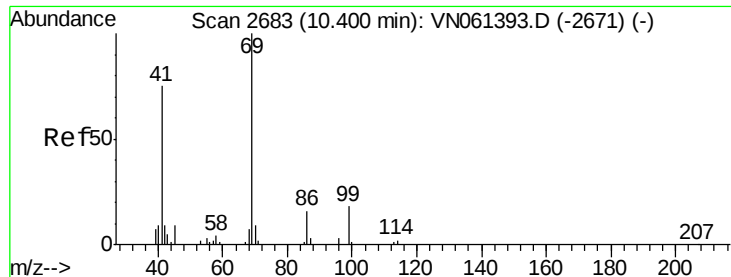
MMDadoda
 5/15/2020 2:10:38 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.005 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.7	106.1
85	56.4	45.1	67.7
99	60.1	48.2	72.4





#51

Ethyl methacrylate

Concen: 21.279 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Tot Ion:	69	Resp:	41926
Ion	Ratio	Lower	Upper
69	100		
41	75.4	34.7	104.1
39	45.0	20.3	60.8

Instrument :

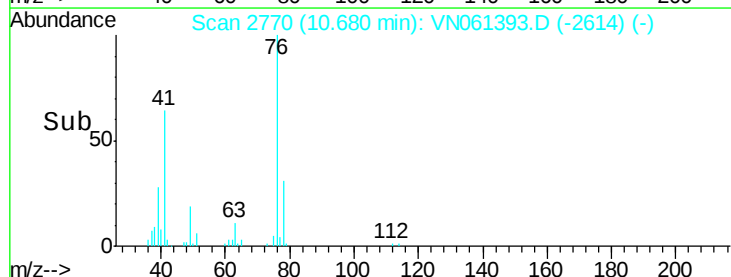
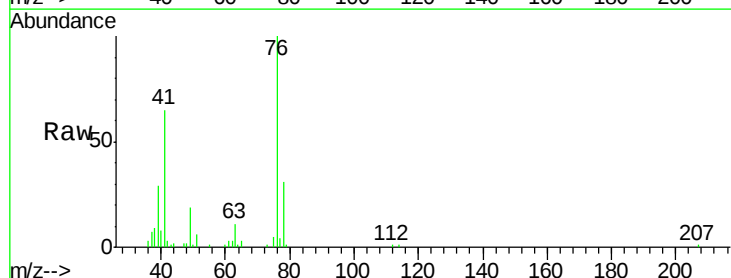
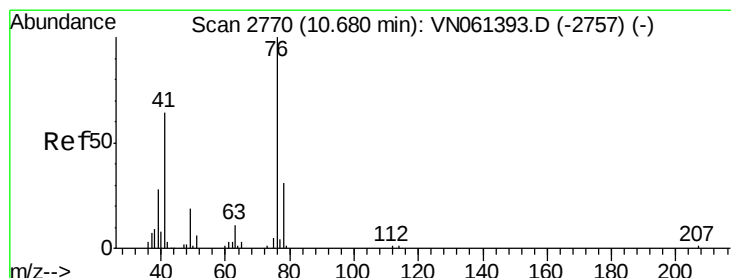
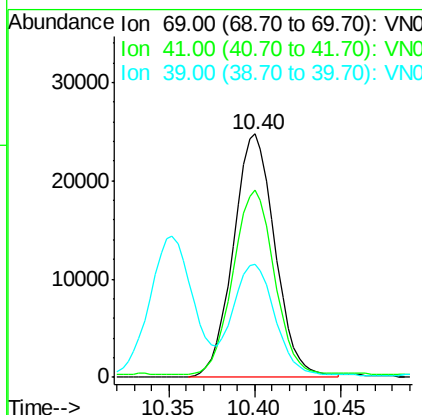
MSVOA_N

ClientSampled :

VSTDICCC020

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.068 ug/l

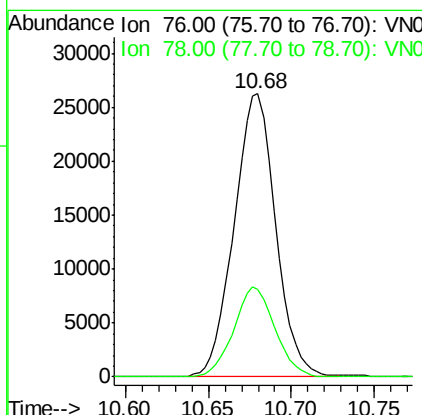
RT: 10.68 min Scan# 2770

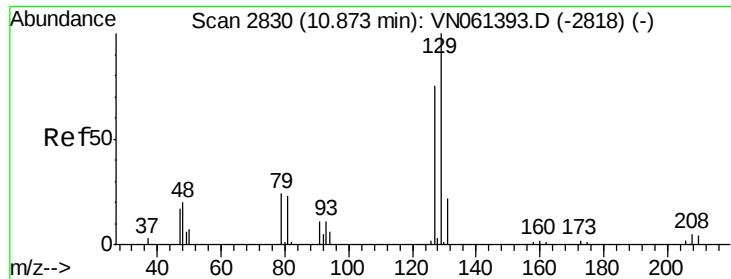
Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Tgt Ion:	76	Resp:	45731
Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	63.2





#53

Dibromochloromethane

Concen: 20.204 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:129 Resp: 26273

Ion Ratio Lower Upper

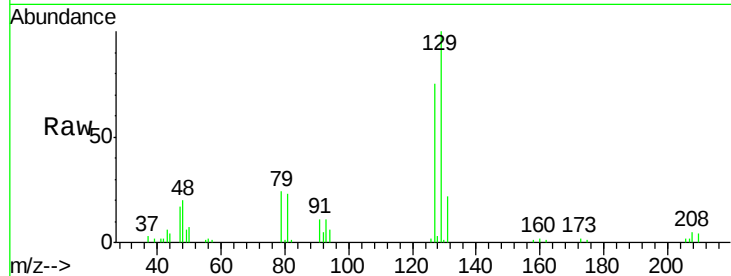
129 100

127 76.6 39.1 117.5

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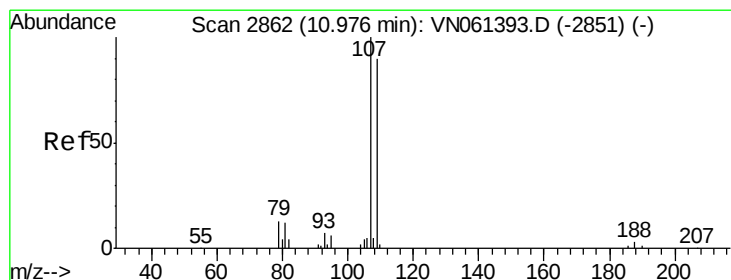
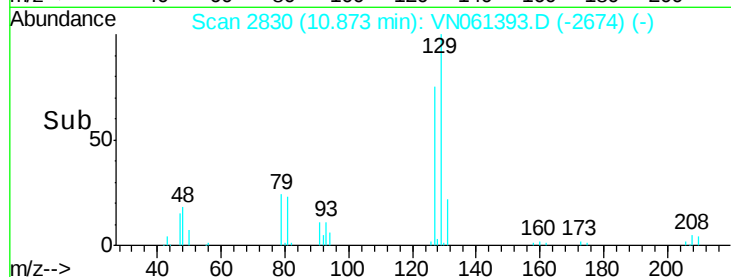
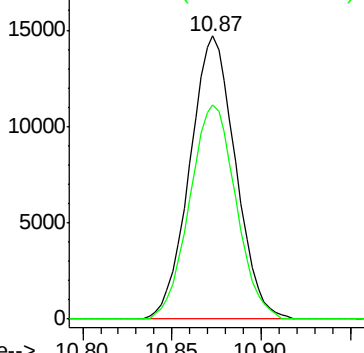
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.960 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VN061393.D

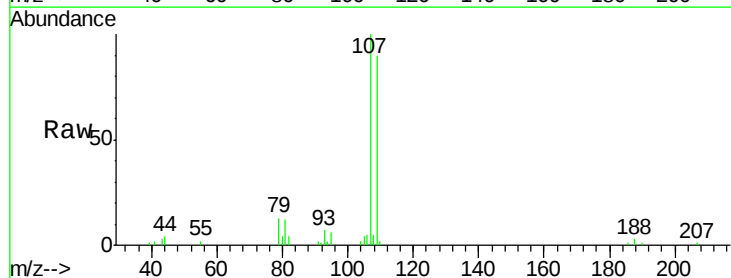
Acq: 14 May 2020 14:37

Tgt Ion:107 Resp: 24954

Ion Ratio Lower Upper

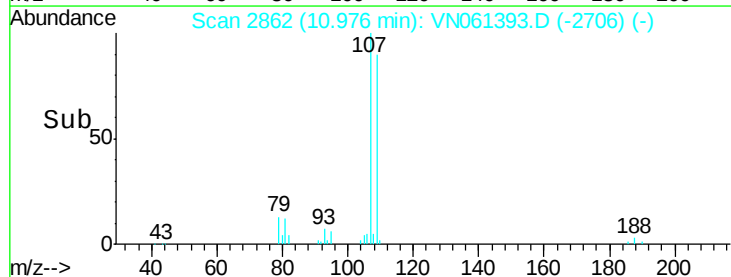
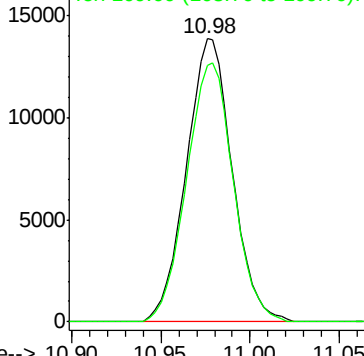
107 100

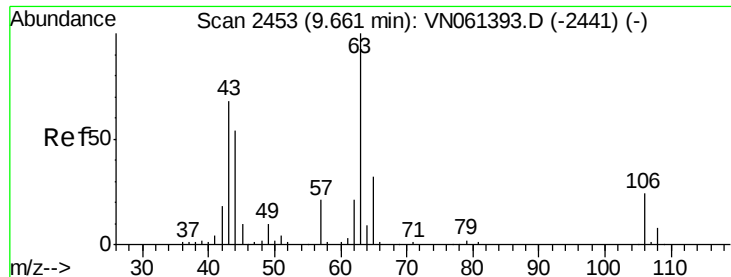
109 93.0 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





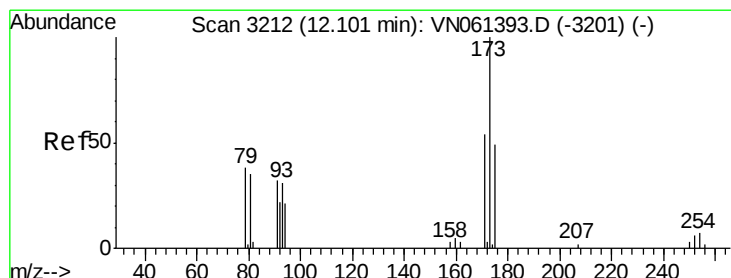
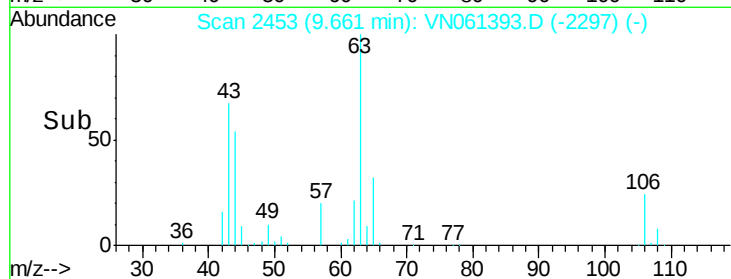
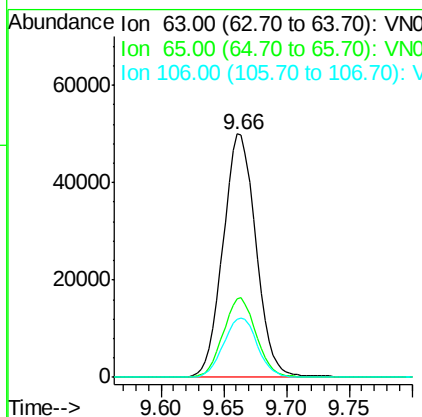
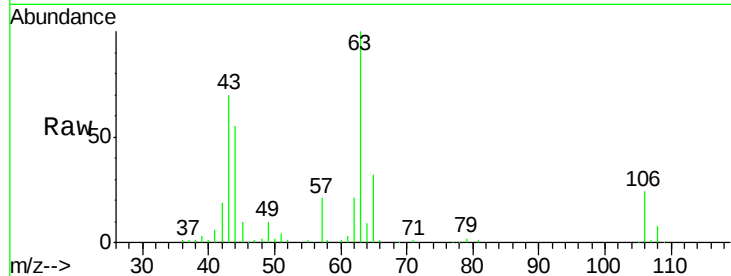
#55
2-Chloroethyl vinyl ether
Concen: 97.306 ug/l
RT: 9.66 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.3	37.9
106	24.8	19.8	29.6

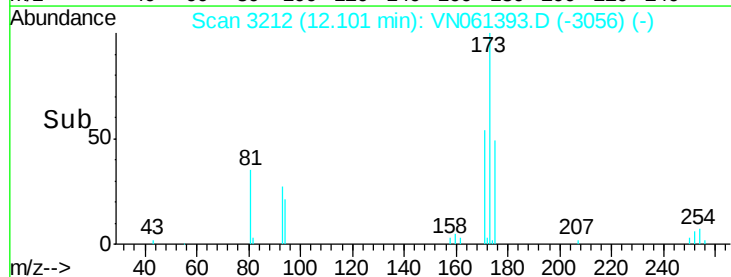
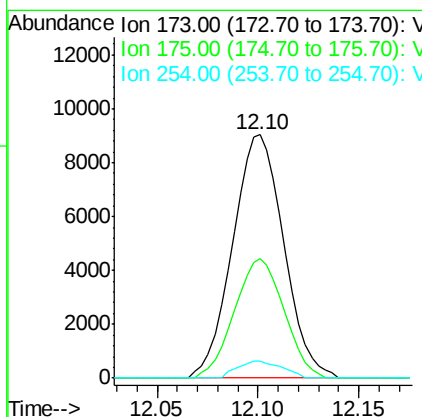
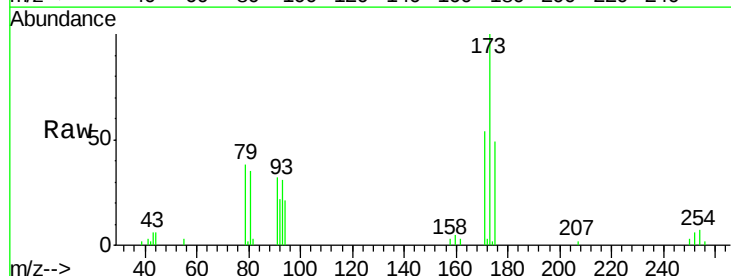
Manual Integrations
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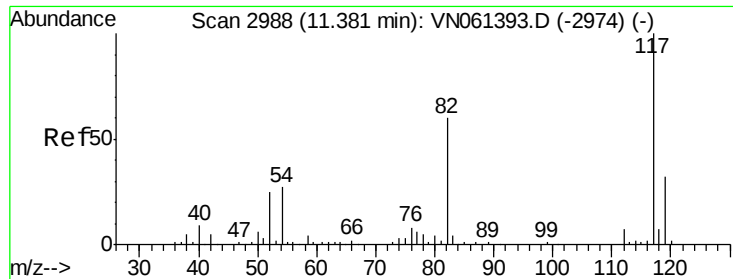
MMDadoda
5/15/2020 2:10:38 PM



#56
Bromoform
Concen: 18.048 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.7	58.1
254	6.1	7.4	11.2#





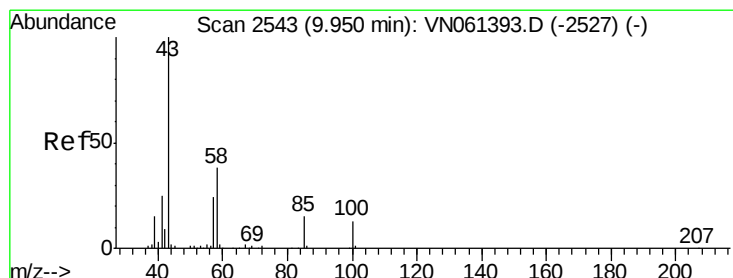
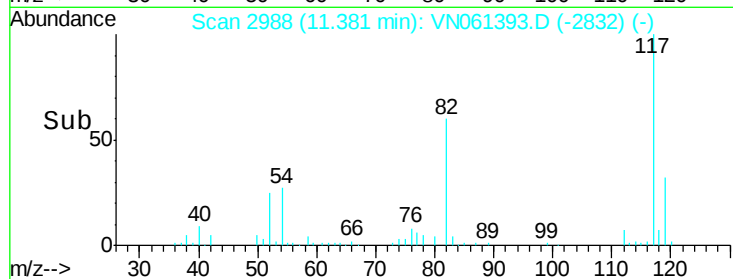
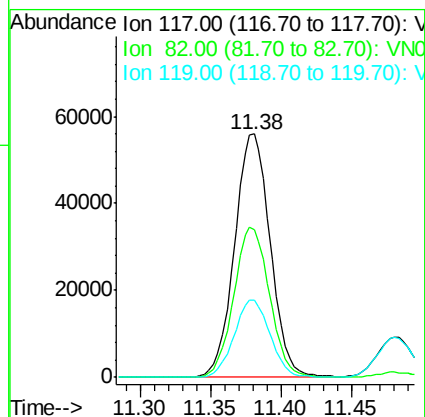
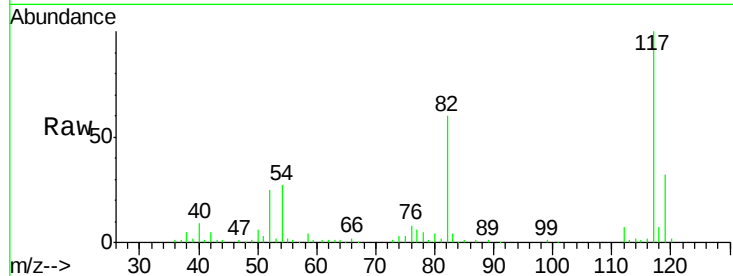
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	46.9	70.3
119	31.9	25.8	38.6

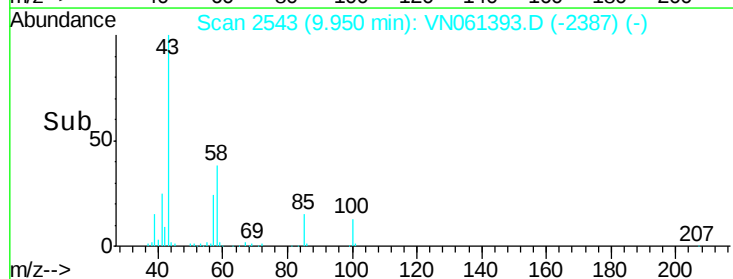
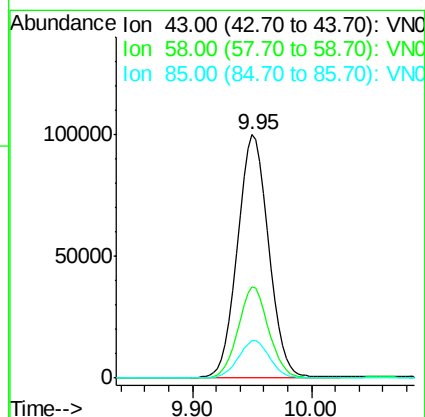
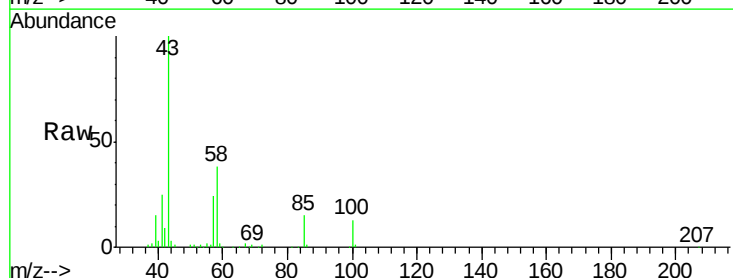
Manual Integrations
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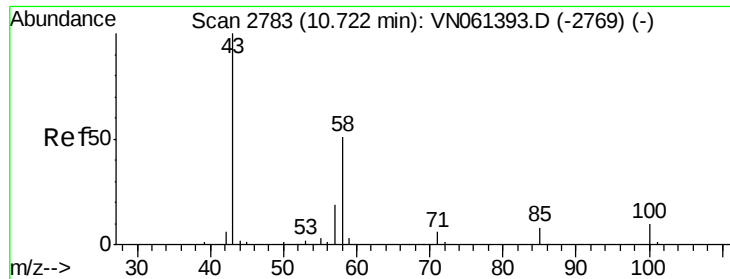
MMDadoda
5/15/2020 2:10:38 PM



#58
4-Methyl-2-Pentanone
Concen: 101.031 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.1	45.1
85	15.5	13.2	19.8





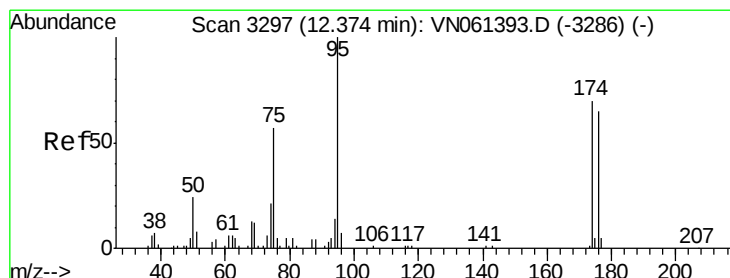
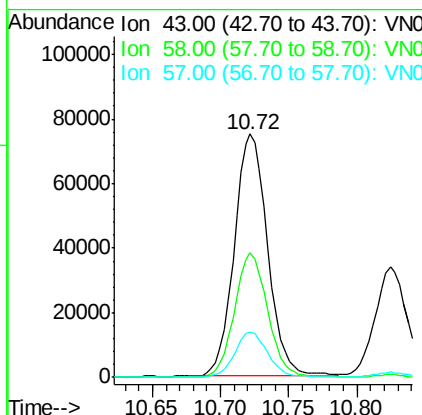
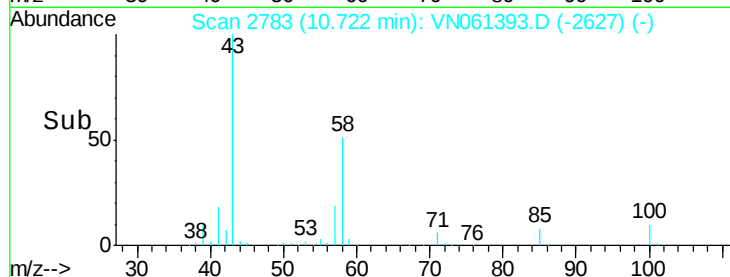
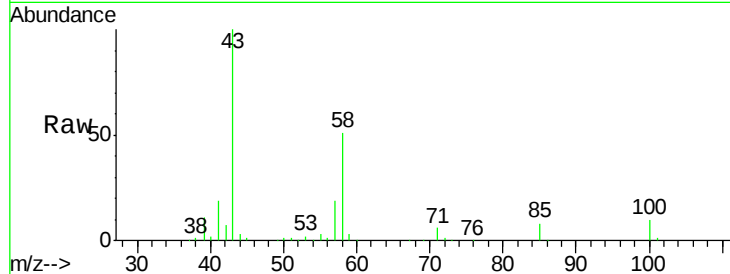
#59
2-Hexanone
Concen: 92.100 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	43	Resp:	127380
Ion Ratio	Lower	Upper	
43	100		
58	51.3	41.4	62.0
57	18.9	14.7	22.1

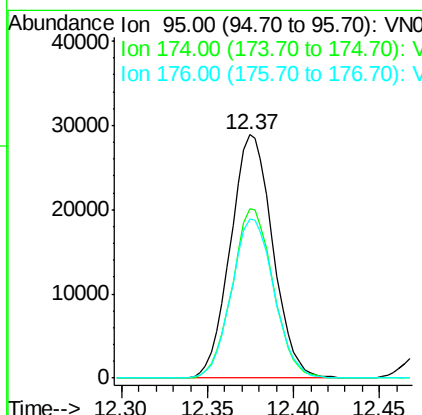
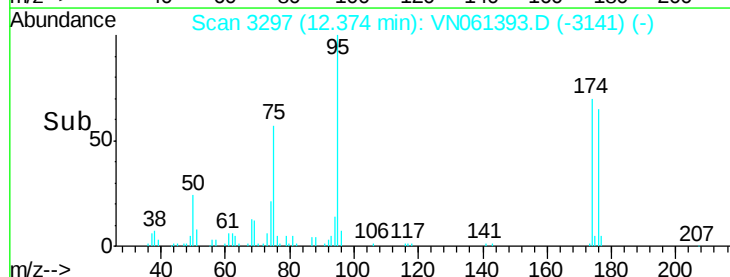
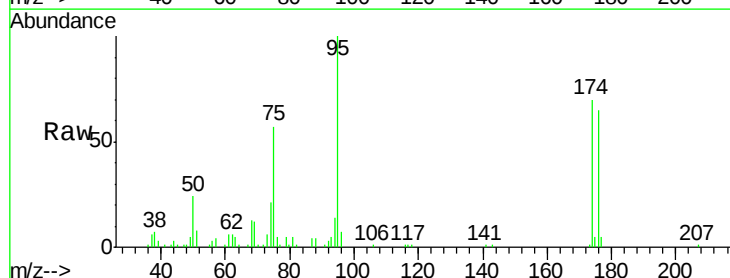
Manual Integrations
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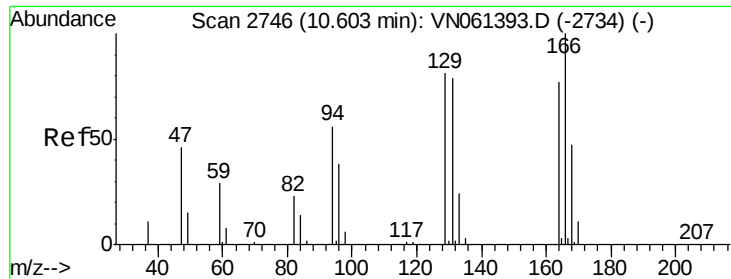
MMDadoda
5/15/2020 2:10:38 PM



#60
4-Bromofluorobenzene
Concen: 28.704 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion:	95	Resp:	49381
Ion Ratio	Lower	Upper	
95	100		
174	67.6	59.9	89.9
176	65.6	58.3	87.5





#61

Tetrachloroethene

Concen: 22.166 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion:164 Resp: 24132

Ion Ratio Lower Upper

164 100

166 130.3 101.4 152.2

129 105.1 78.1 117.1

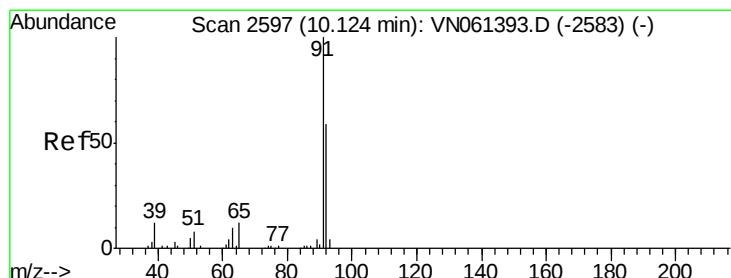
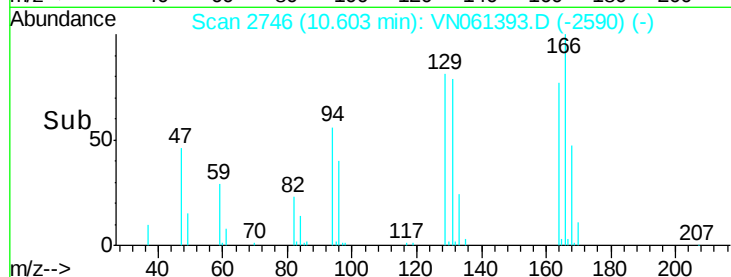
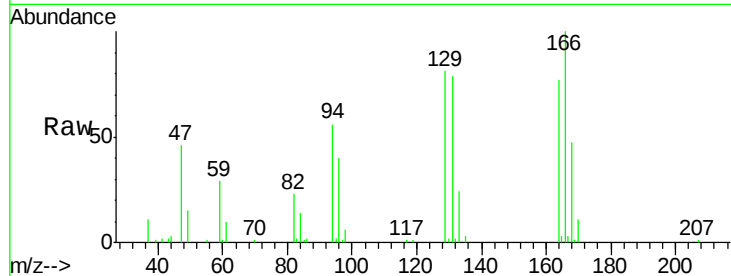
131 102.7 73.2 109.8

Manual Integrations

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#62

Toluene

Concen: 20.938 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061393.D

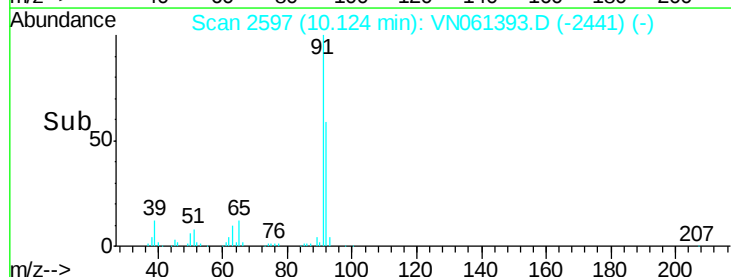
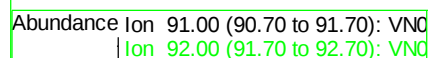
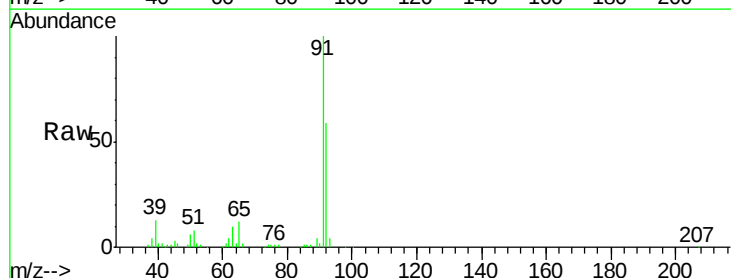
Acq: 14 May 2020 14:37

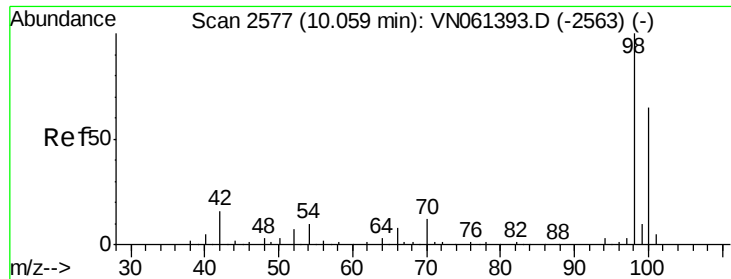
Tgt Ion: 91 Resp: 112011

Ion Ratio Lower Upper

91 100

92 58.2 45.4 68.2





#63

Toluene-d8

Concen: 29.727 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 138586

Ion Ratio Lower Upper

98 100

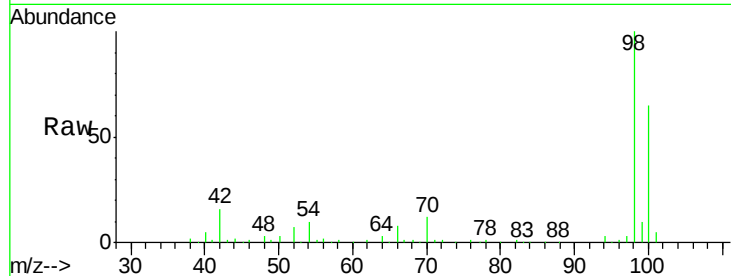
100 64.6 50.6 75.8

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN061393.D (-2563) (-)

Ion 100.00 (99.70 to 100.70): VN061393.D (-2563) (-)

10.06

80000

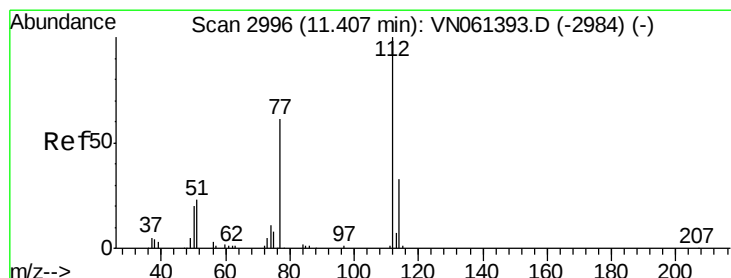
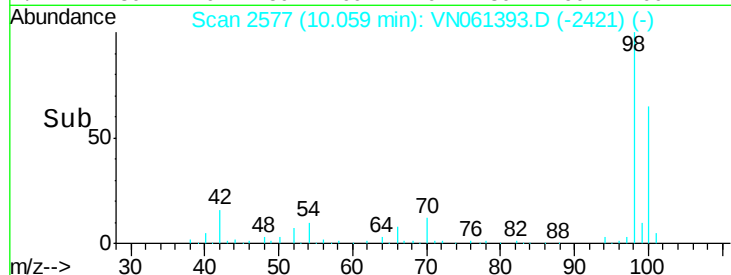
60000

40000

20000

0

Time-->



#64

Chlorobenzene

Concen: 20.224 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061393.D

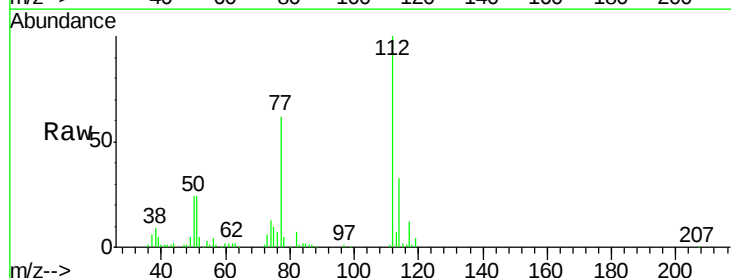
Acq: 14 May 2020 14:37

Tgt Ion: 112 Resp: 65662

Ion Ratio Lower Upper

112 100

114 32.5 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN061393.D (-2984) (-)

Ion 114.00 (113.70 to 114.70): VN061393.D (-2984) (-)

11.41

40000

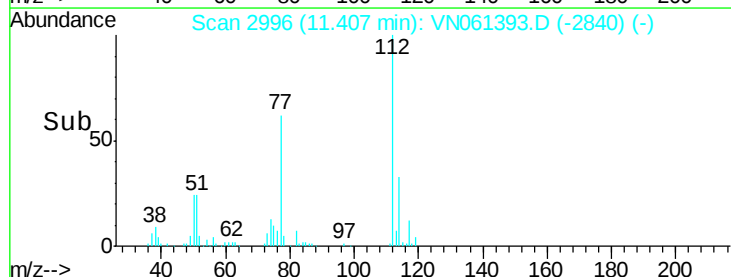
30000

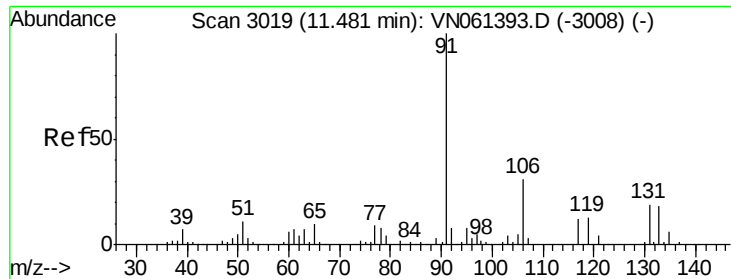
20000

10000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.795 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:131 Resp: 24020

Ion Ratio Lower Upper

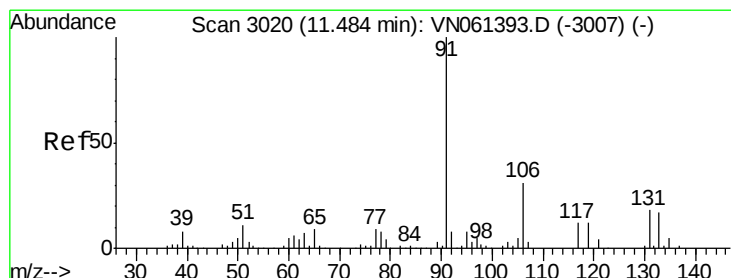
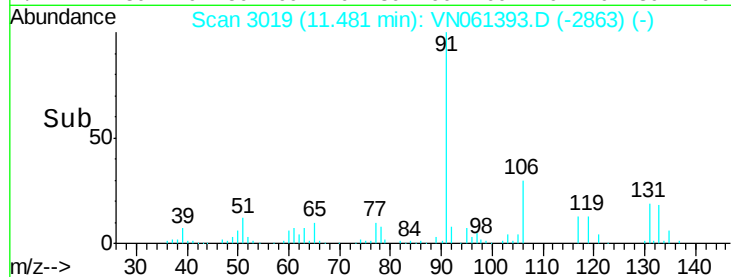
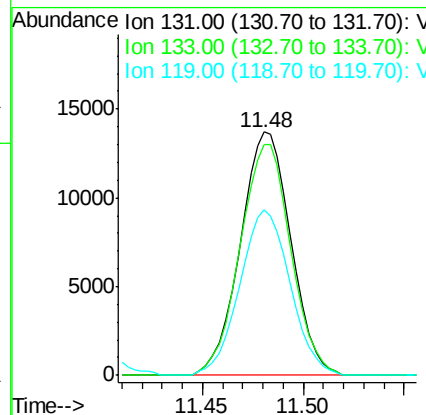
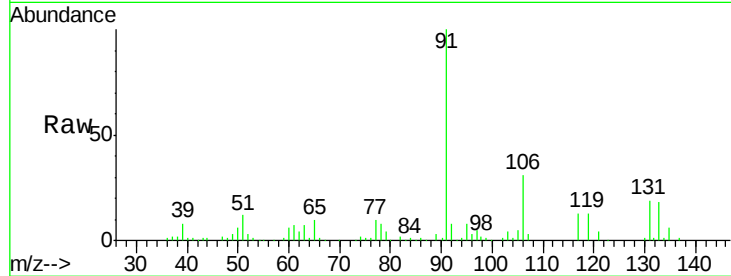
131 100

133 95.2 0.0 194.0

119 67.7 0.0 136.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.334 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061393.D

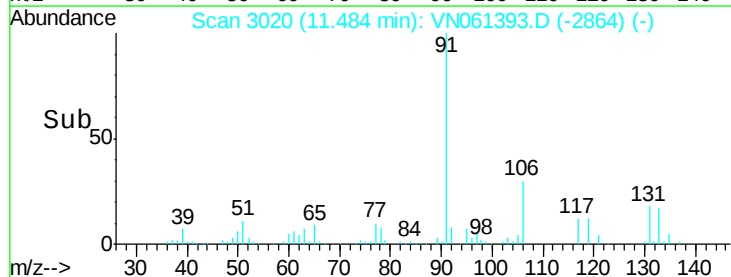
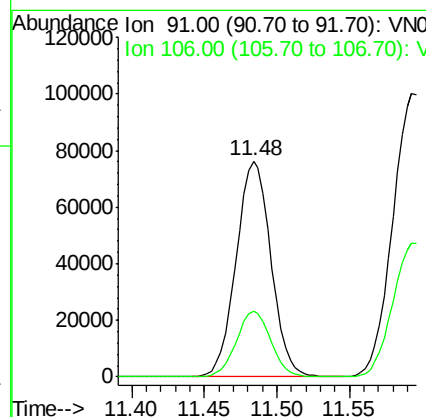
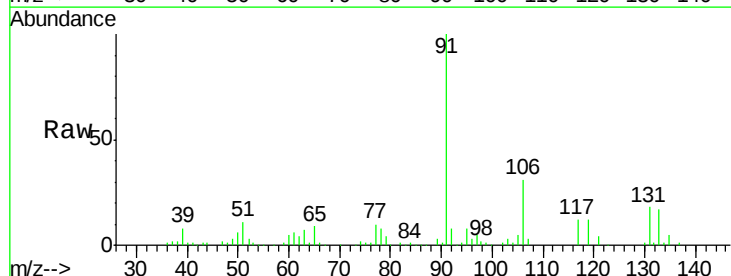
Acq: 14 May 2020 14:37

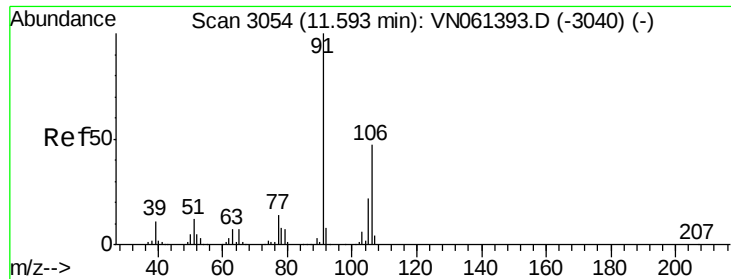
Tgt Ion: 91 Resp: 127085

Ion Ratio Lower Upper

91 100

106 30.7 24.2 36.4





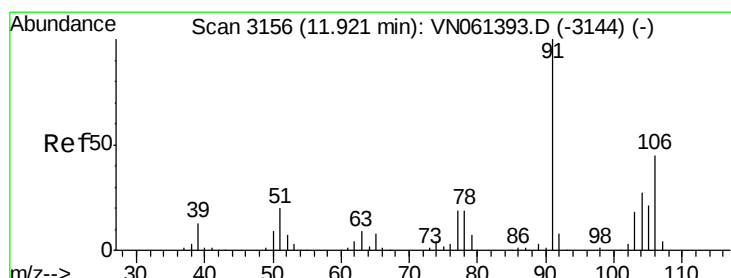
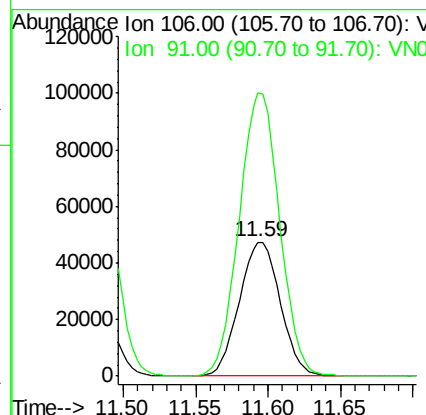
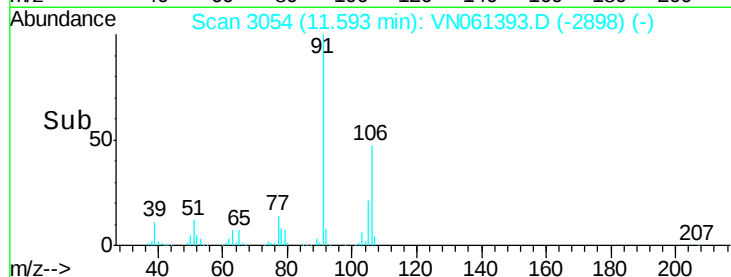
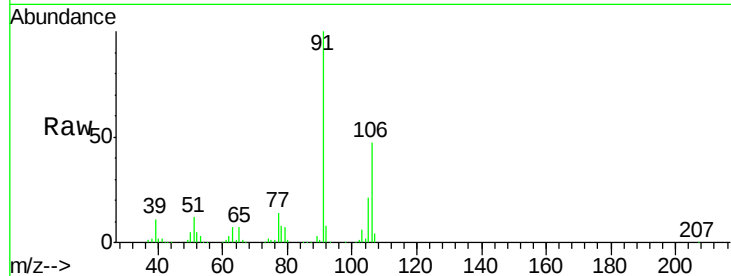
#67
m/p-Xylenes
Concen: 42.015 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion:106 Resp: 93318
Ion Ratio Lower Upper
106 100
91 209.4 165.6 248.4

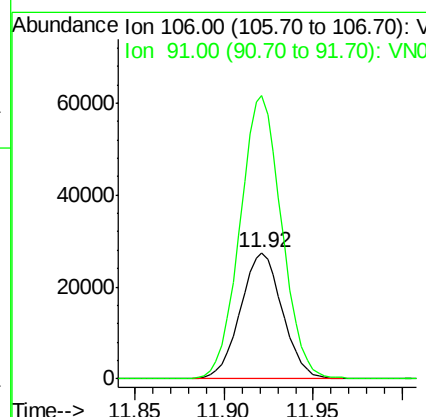
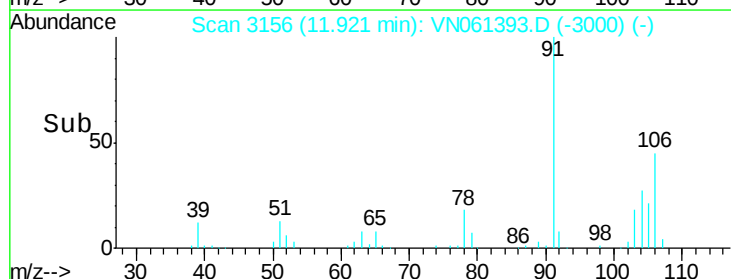
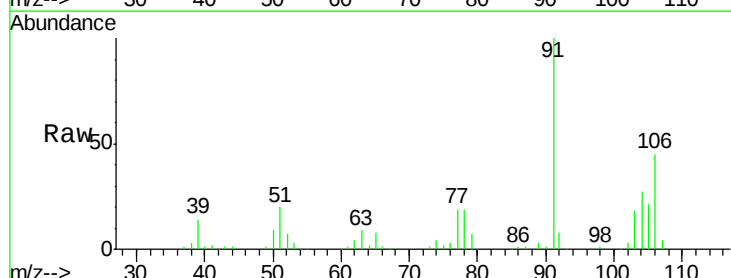
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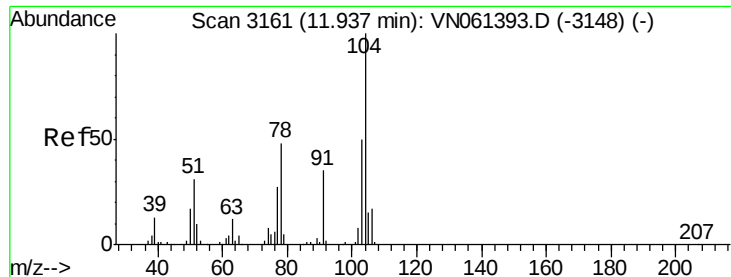
MMDadoda
5/15/2020 2:10:38 PM



#68
o-Xylene
Concen: 20.943 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion:106 Resp: 45138
Ion Ratio Lower Upper
106 100
91 222.7 109.8 329.4





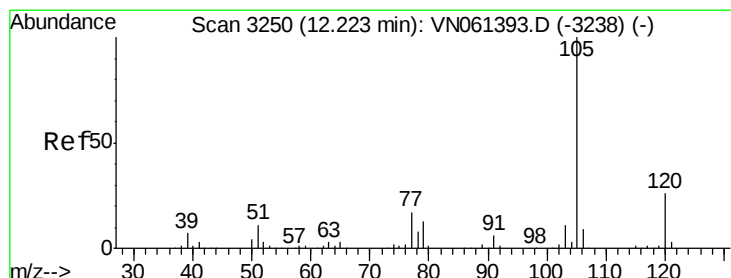
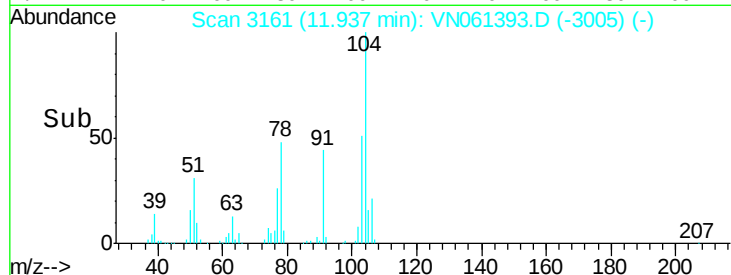
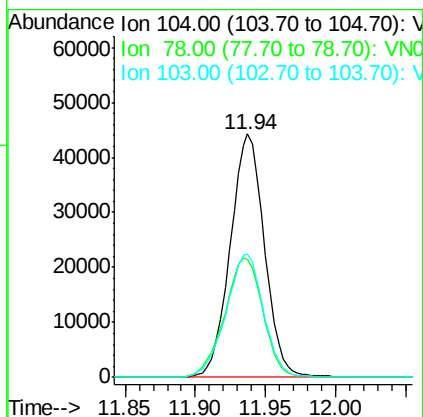
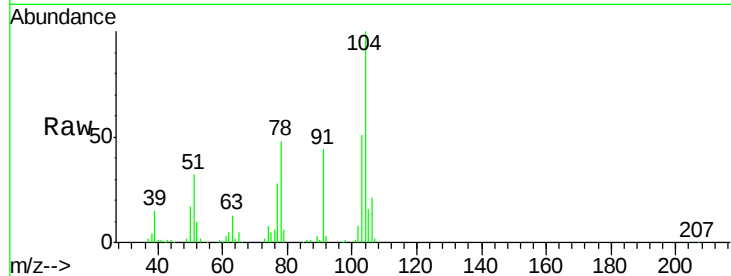
#69
Stvrene
Concen: 21.018 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.4	63.6
103	55.2	44.6	66.8

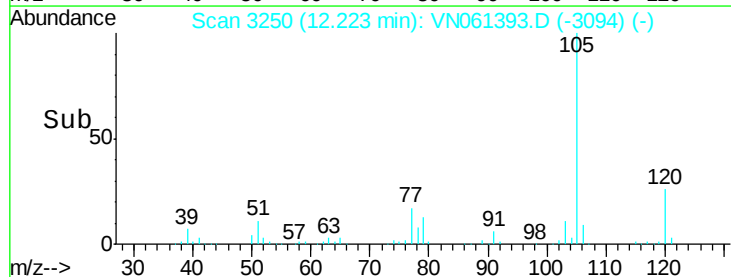
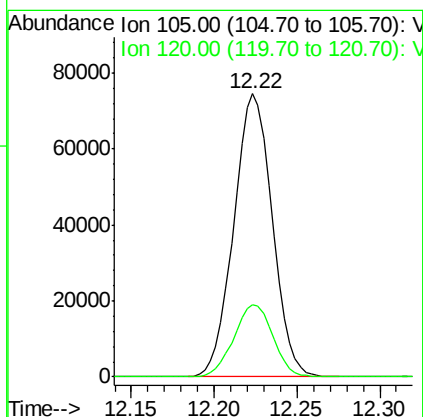
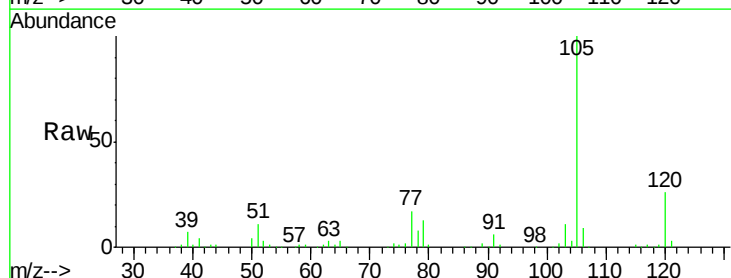
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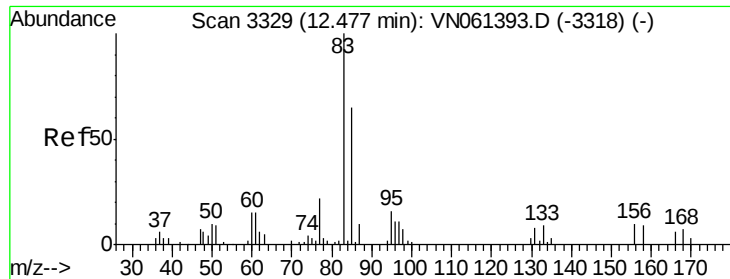
MMDadoda
5/15/2020 2:10:38 PM



#70
Isopropylbenzene
Concen: 20.777 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.4	34.2





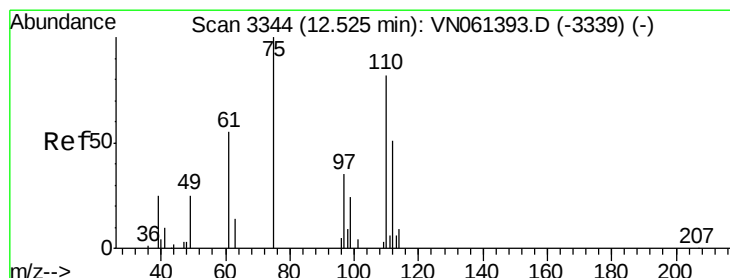
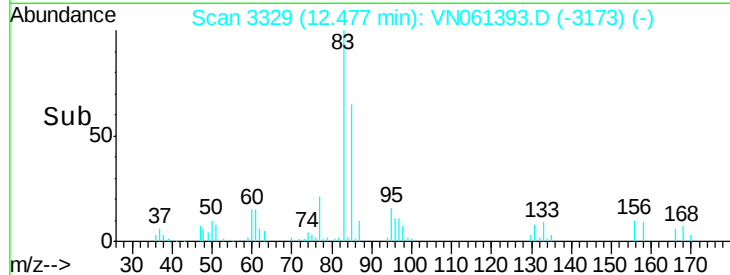
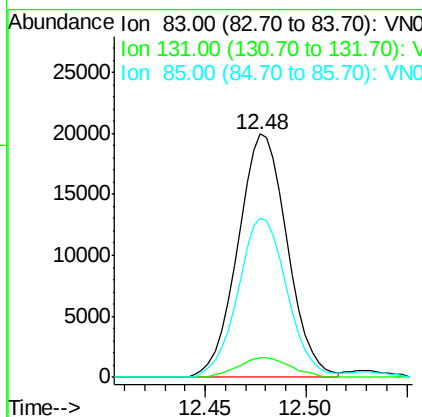
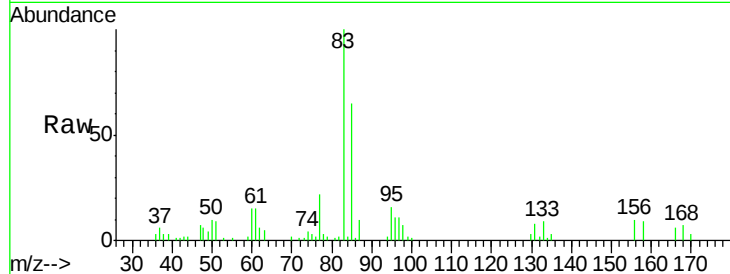
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.094 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	34188
Ion Ratio	100	Lower	Upper
83	100		
131	8.4	4.9	14.7
85	65.1	31.6	94.7

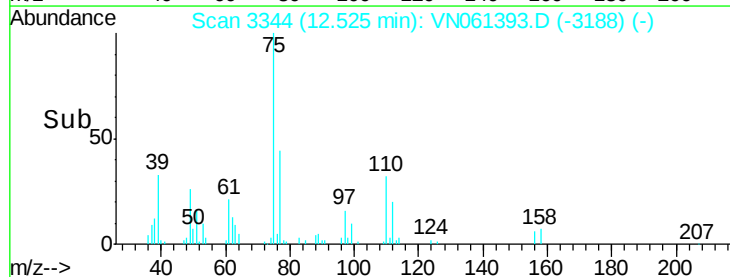
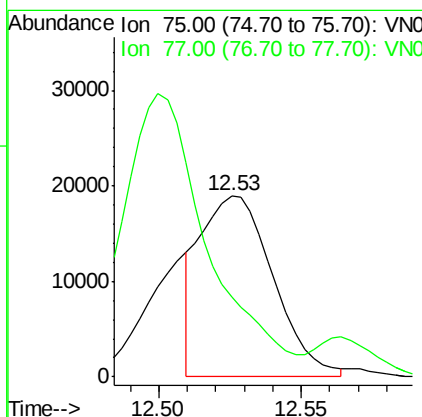
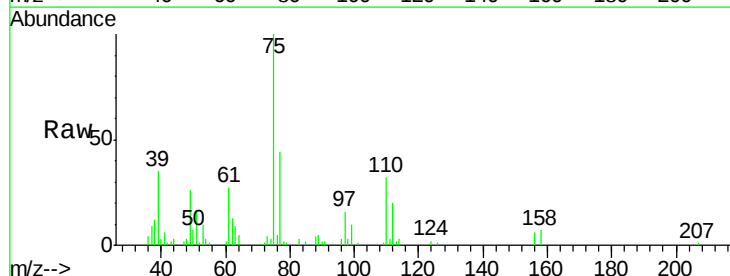
Manual Integrations
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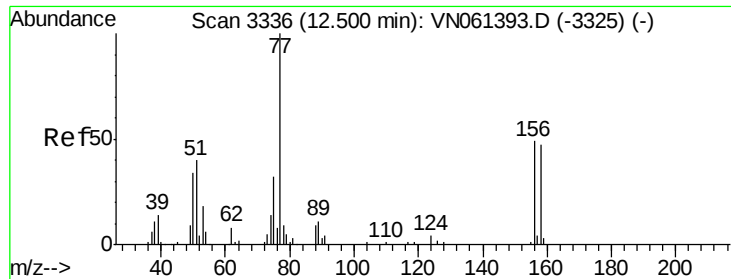
MMDadoda
 5/15/2020 2:10:38 PM



#72
 1,2,3-Trichloropropane
 Concen: 19.479 ug/l m
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion	75	Resp	33780
Ion Ratio	100	Lower	Upper
75	100		
77	184.7	0.0	359.4





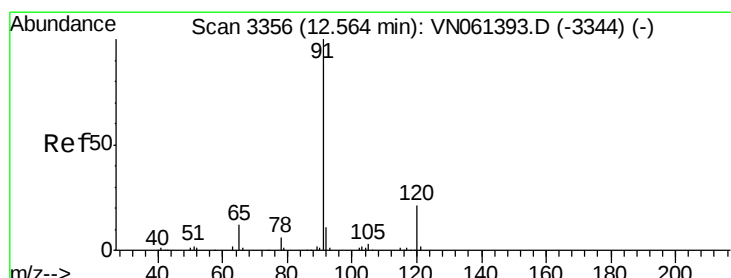
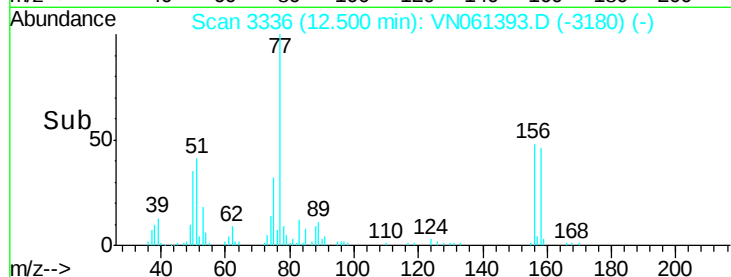
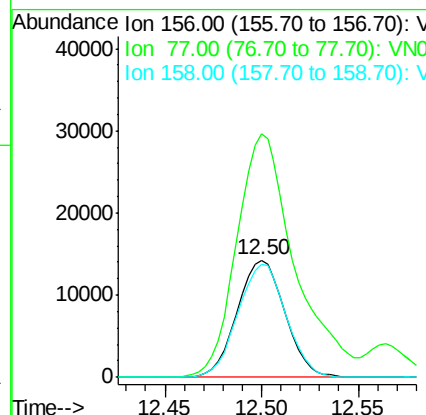
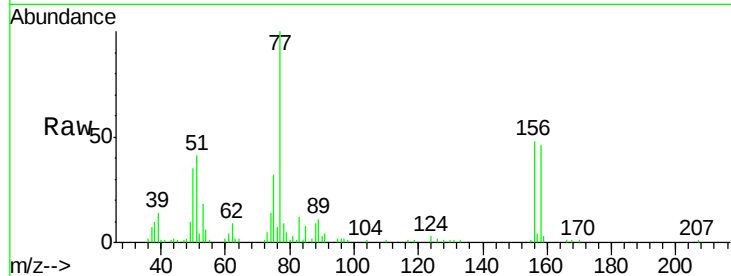
#73
Bromobenzene
Concen: 17.974 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	254.4	0.0	456.0
158	97.2	0.0	195.4

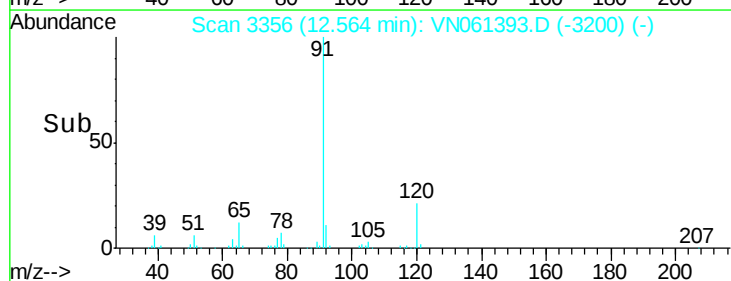
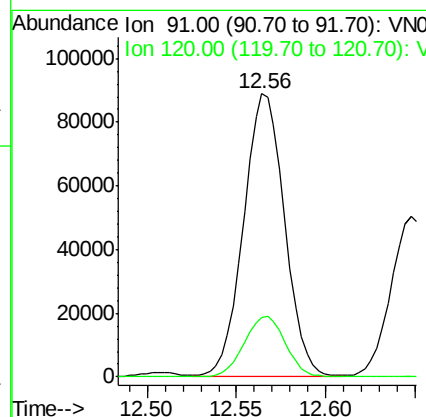
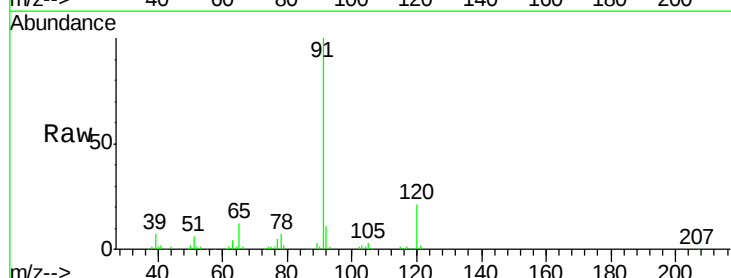
Manual Integrations
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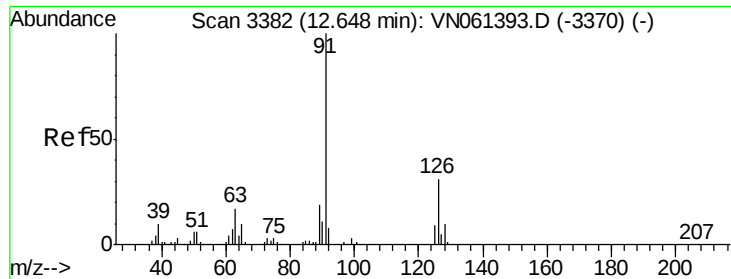
MMDadoda
5/15/2020 2:10:38 PM



#74
n-propylbenzene
Concen: 21.090 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	43.6





#75

2-Chlorotoluene

Concen: 20.371 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 82862

Ion Ratio Lower Upper

91 100

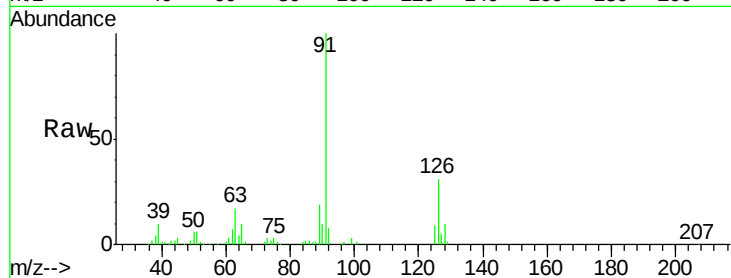
126 30.5 0.0 65.4

Manual Integrations

APPROVED

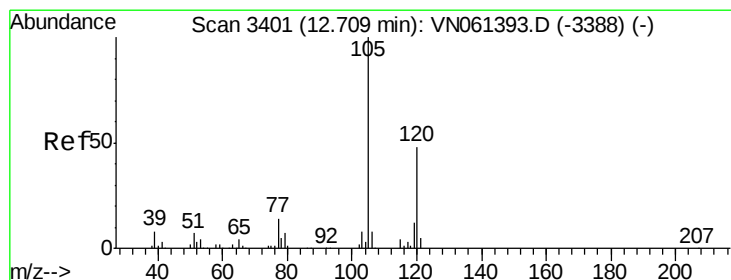
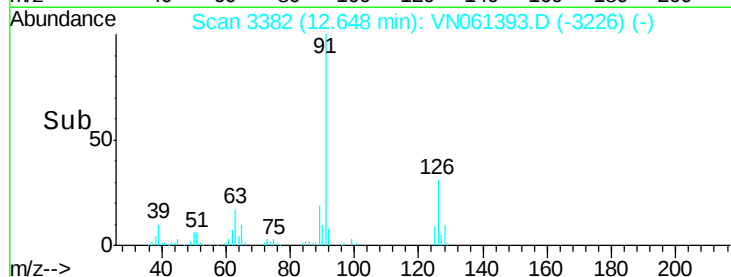
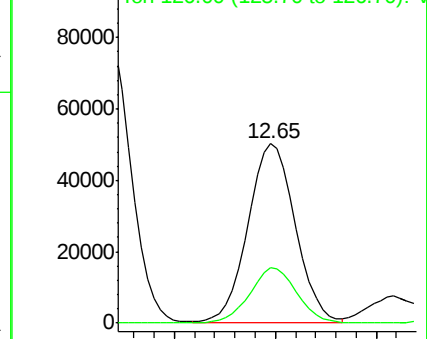
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 20.397 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061393.D

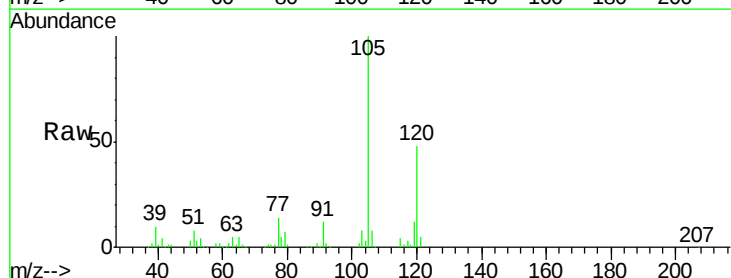
Acq: 14 May 2020 14:37

Tgt Ion:105 Resp: 100828

Ion Ratio Lower Upper

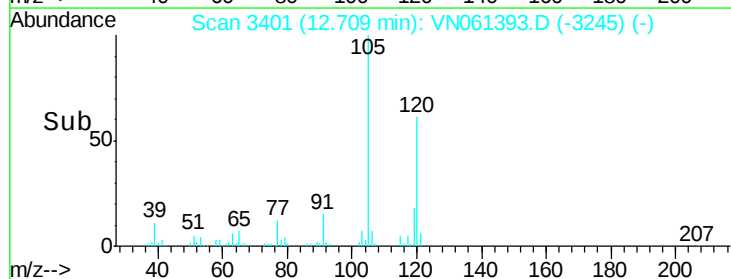
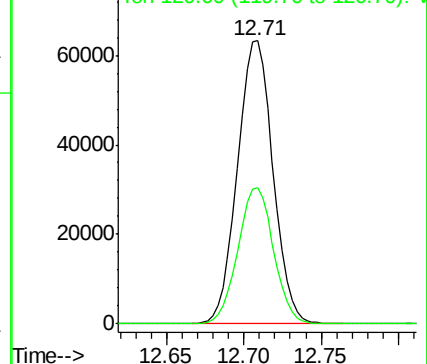
105 100

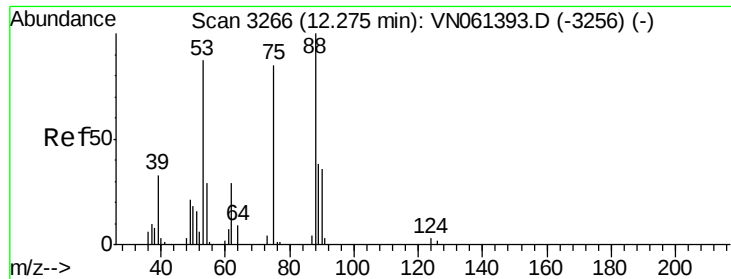
120 48.3 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 19.416 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

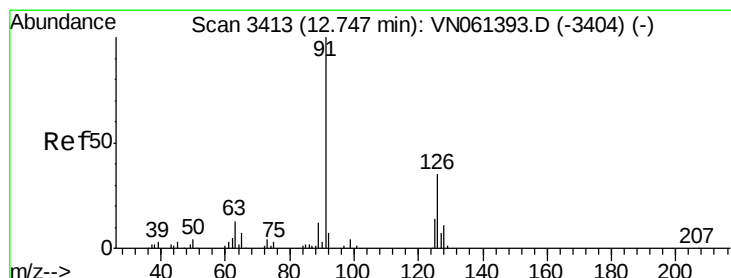
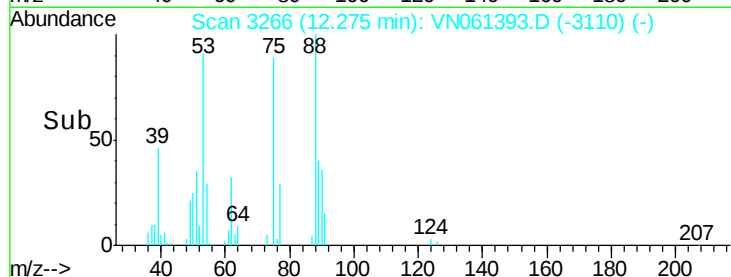
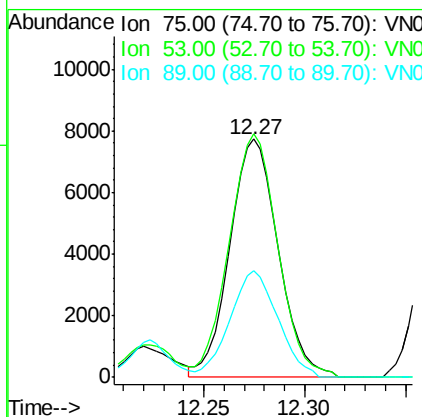
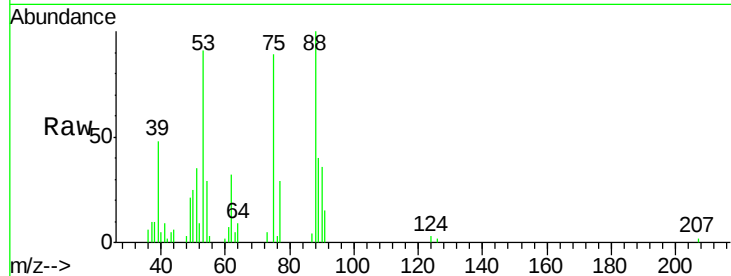
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	13018
Ion	Ratio	Lower	Upper
75	100		
53	102.2	50.0	150.0
89	44.7	20.7	62.1

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#78

4-Chlorotoluene

Concen: 20.352 ug/l

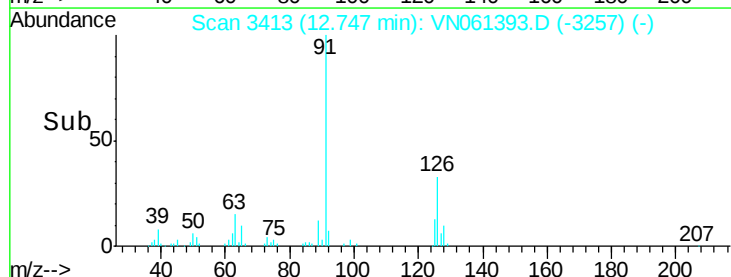
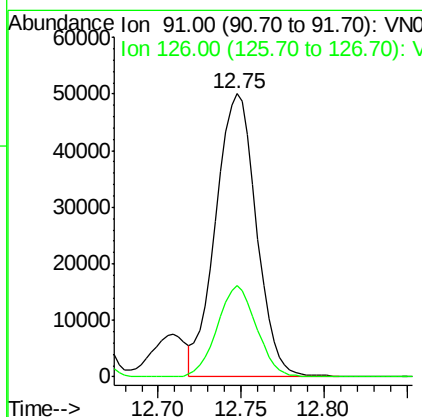
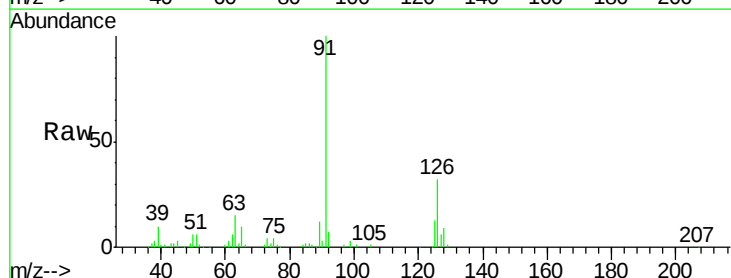
RT: 12.75 min Scan# 3413

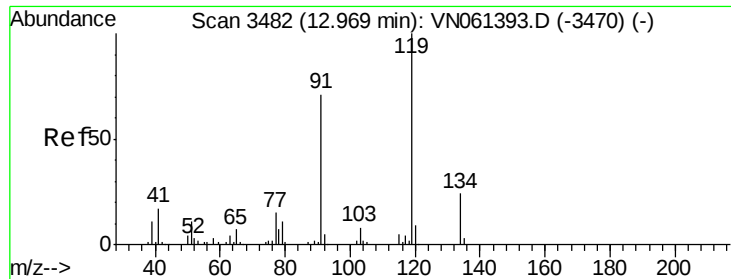
Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Tgt Ion:	91	Resp:	85502
Ion	Ratio	Lower	Upper
91	100		
126	31.0	0.0	63.4





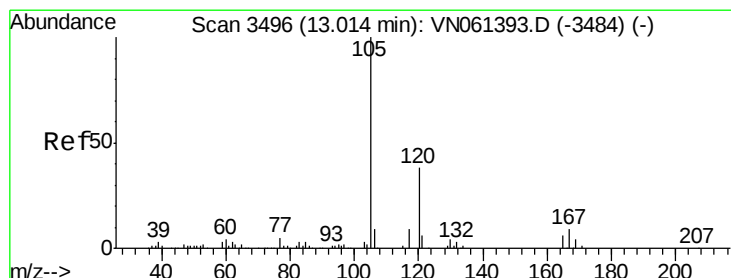
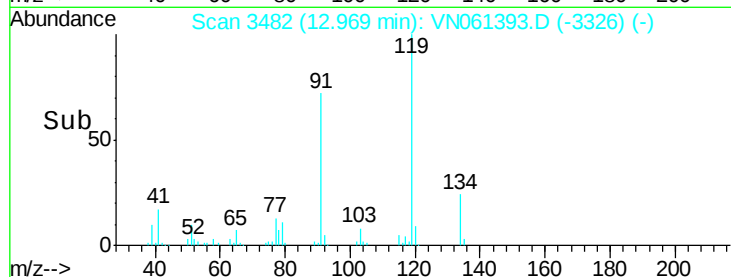
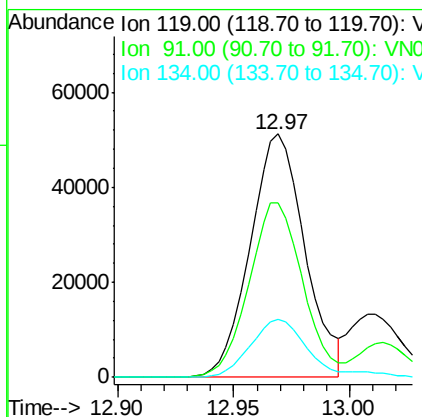
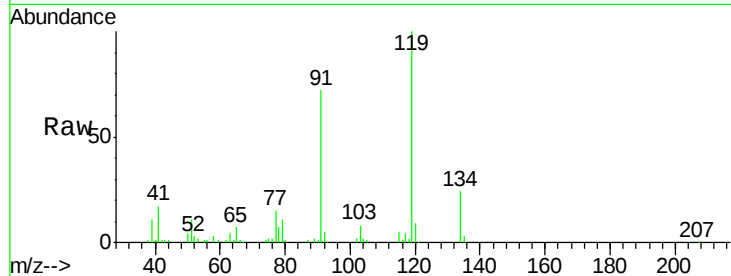
#79
tert-butylbenzene
Concen: 20.024 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	84213		
91	71.0		0.0	136.4
134	24.0		0.0	47.2

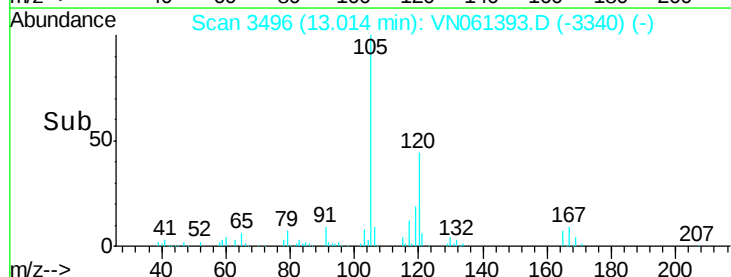
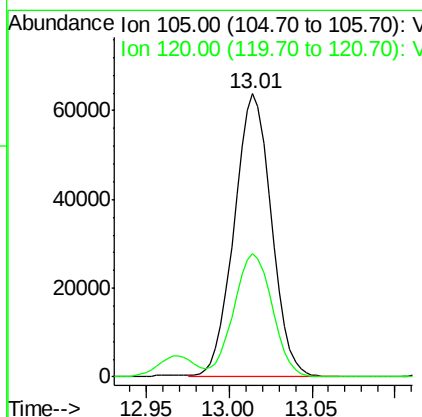
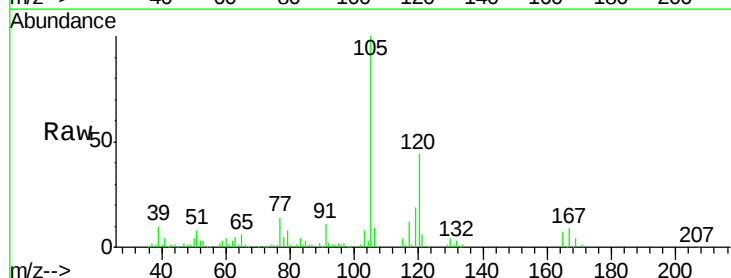
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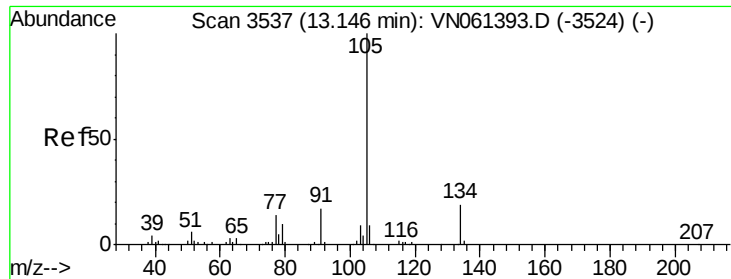
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#80
1,2,4-Trimethylbenzene
Concen: 20.259 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	99308		
120	45.3		0.0	89.2





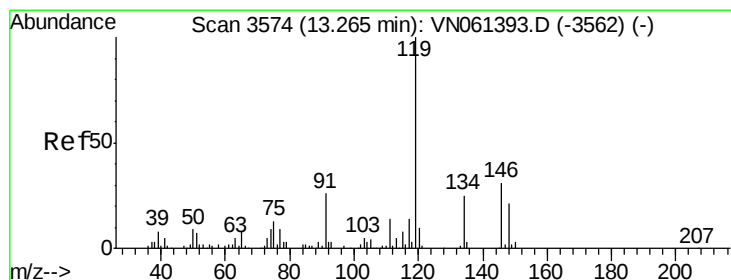
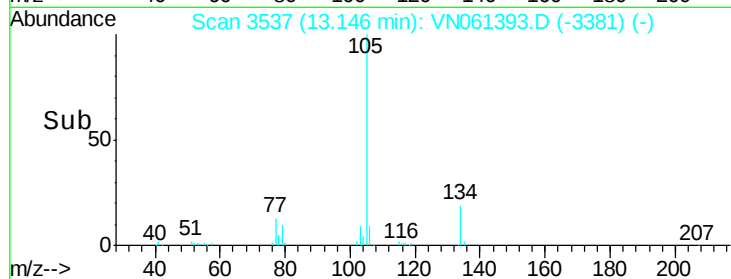
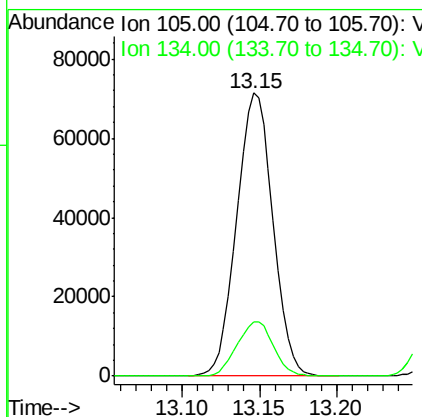
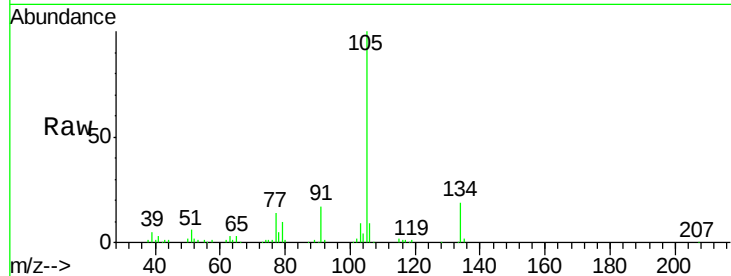
#81
 sec-Butylbenzene
 Concen: 20.454 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	116169		
134	19.3	0.0	38.0	

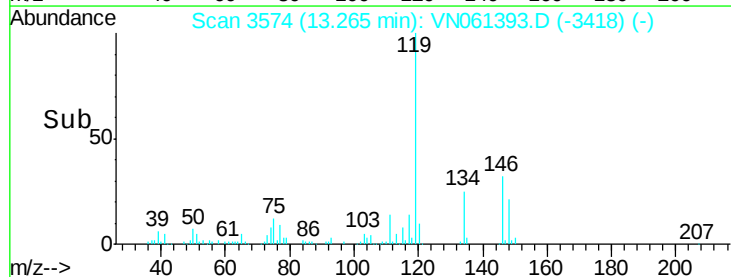
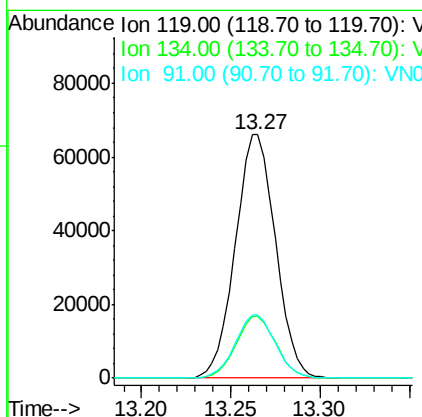
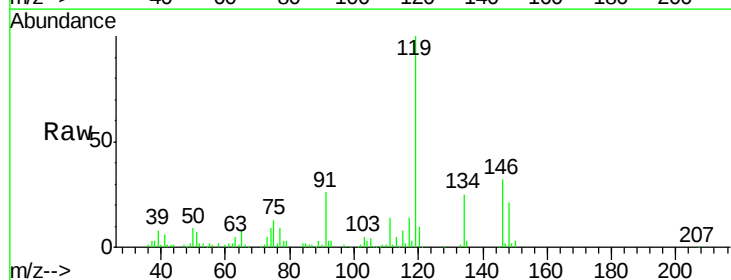
Manual Integrations
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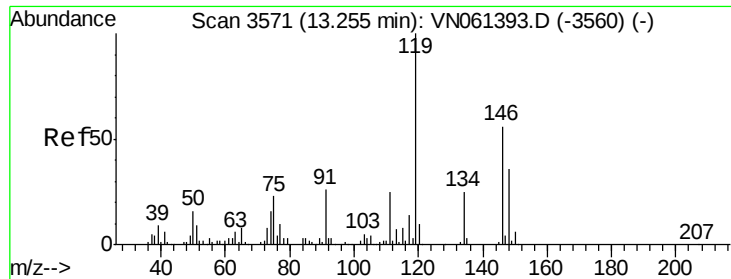
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 20.287 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	103520		
134	25.1	0.0	50.8	
91	25.9	0.0	49.4	





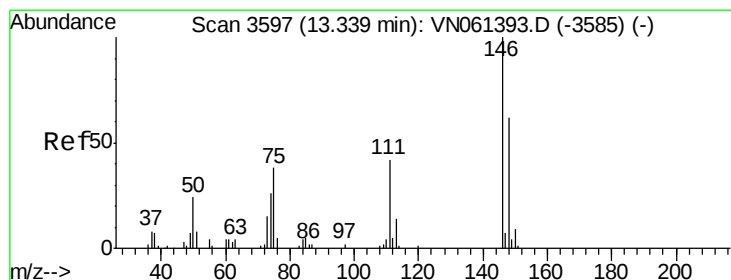
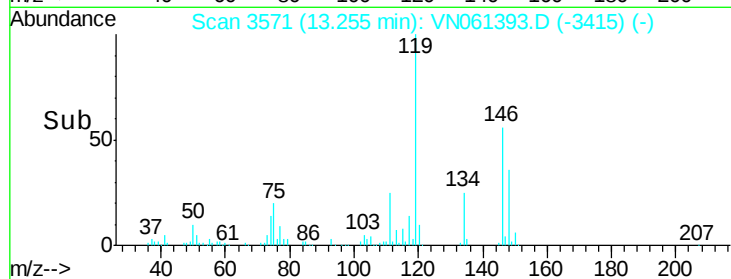
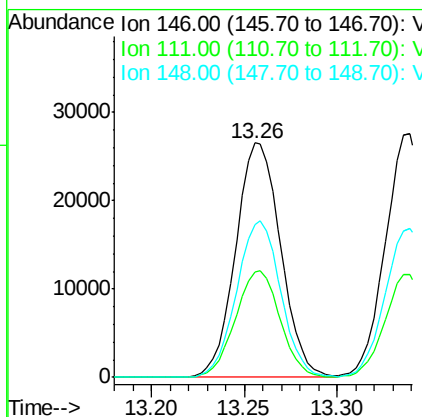
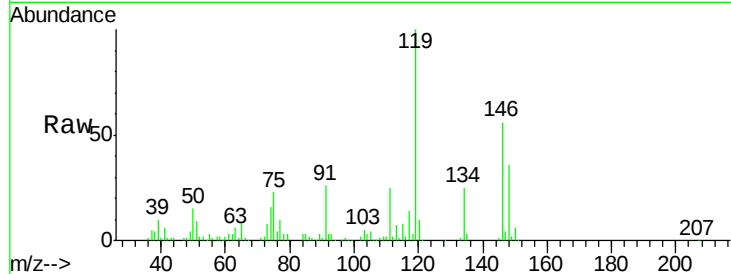
#83
 1,3-Dichlorobenzene
 Concen: 18.148 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.0	63.0
148	65.1	31.7	95.1

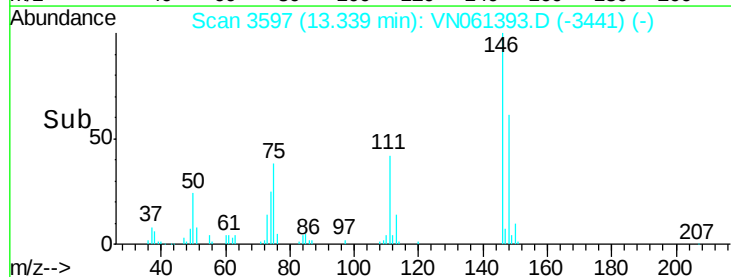
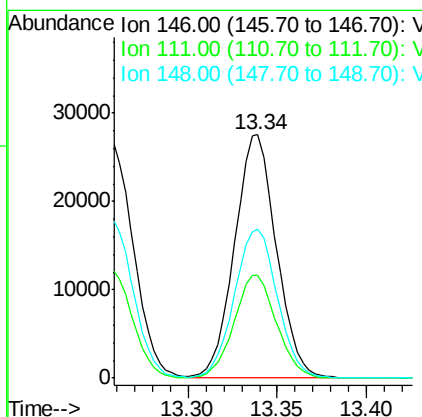
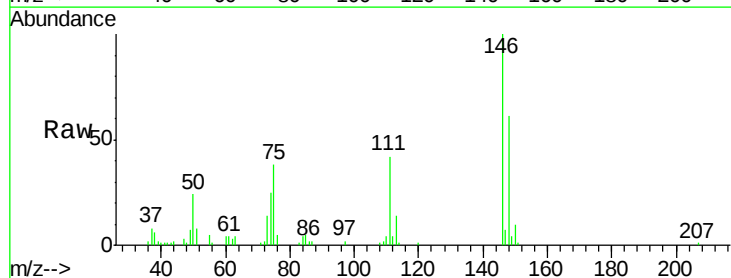
Manual Integrations
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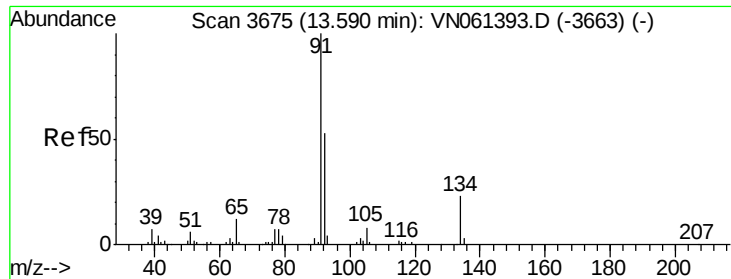
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#84
 1,4-Dichlorobenzene
 Concen: 18.227 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	19.8	59.4
148	63.0	31.6	94.8





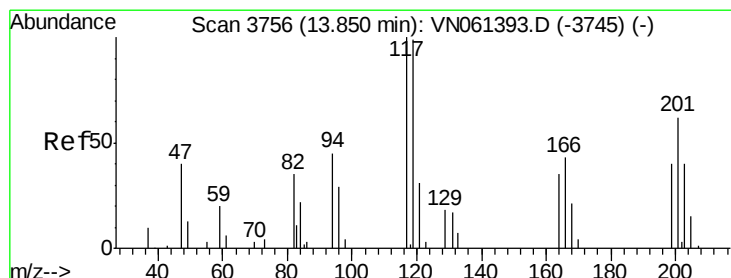
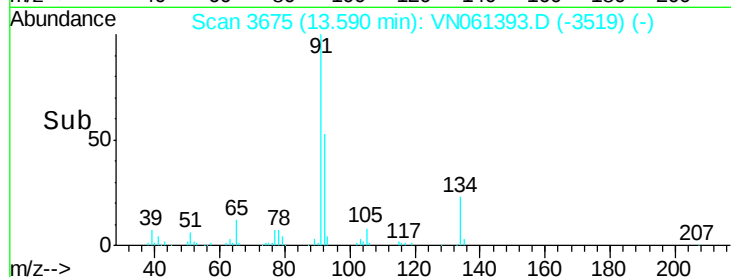
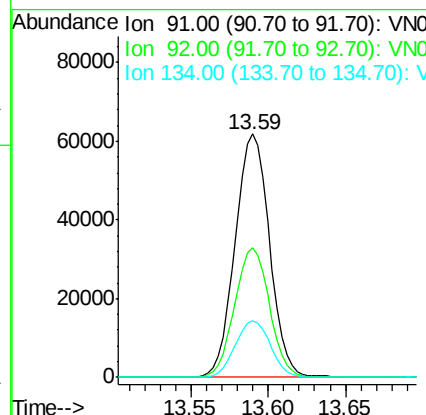
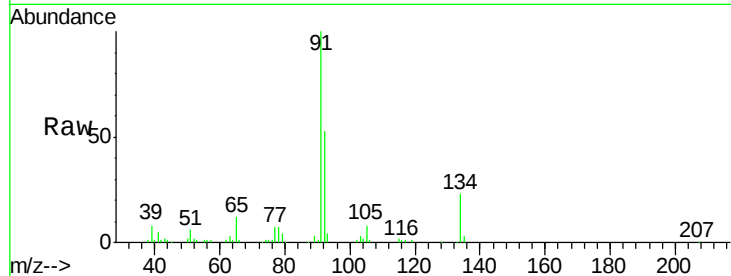
#85
n-Butylbenzene
Concen: 20.294 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	0.0	102.8
134	23.9	0.0	48.6

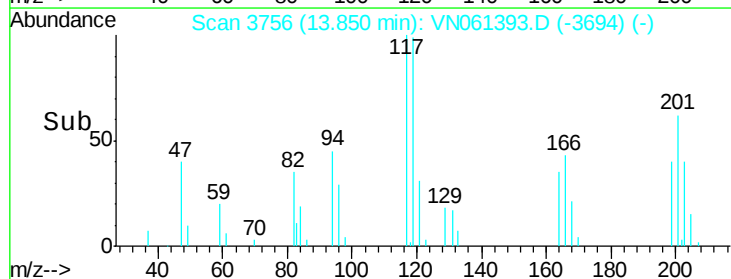
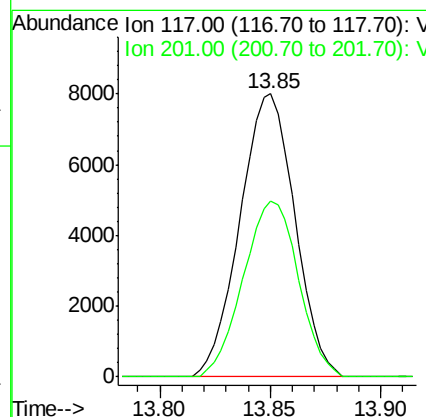
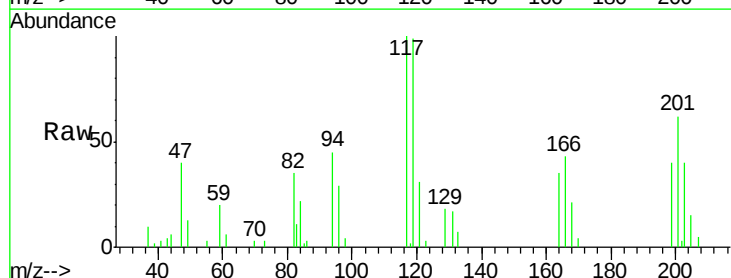
Manual Integrations
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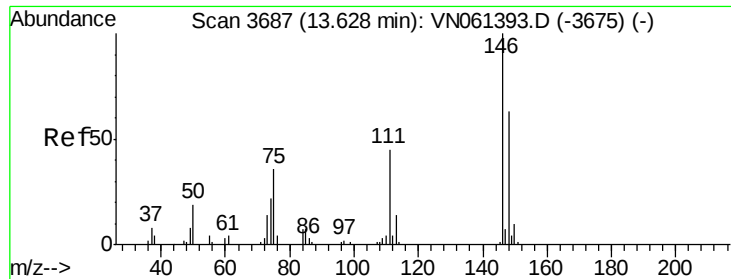
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#86
Hexachloroethane
Concen: 15.711 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.3	38.7	116.1





#87

1,2-Dichlorobenzene

Concen: 18.031 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

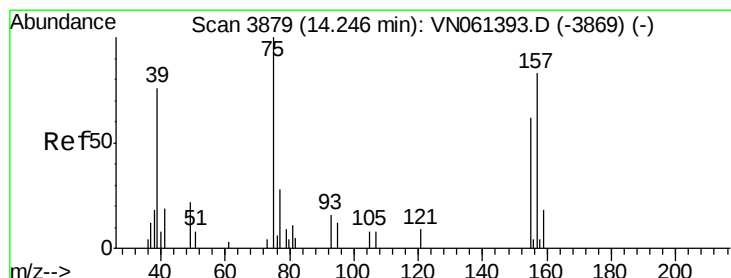
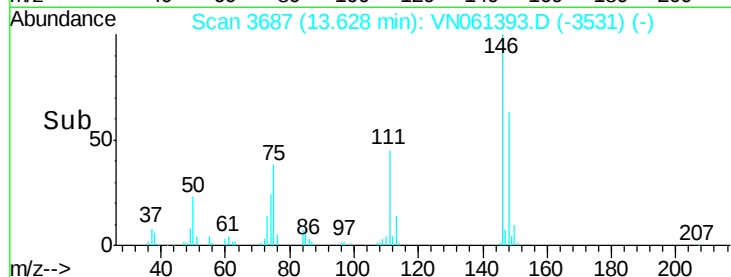
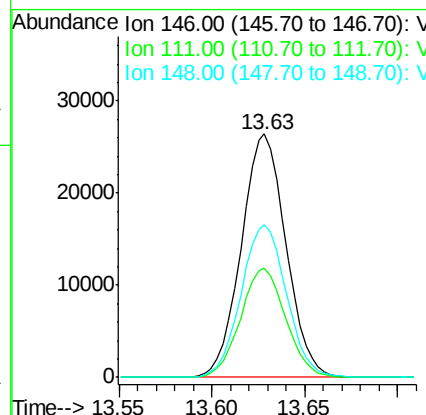
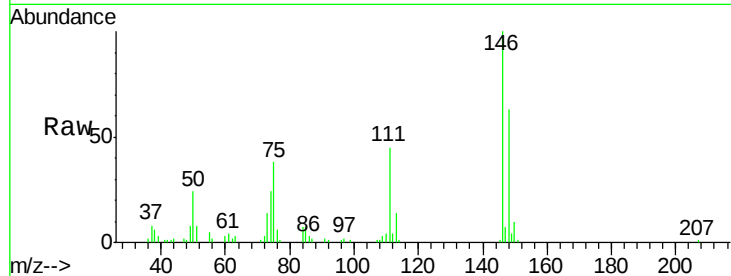
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	44081
Ion Ratio	Lower	Upper	
146	100		
111	45.1	21.8	65.4
148	63.7	32.1	96.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.828 ug/l

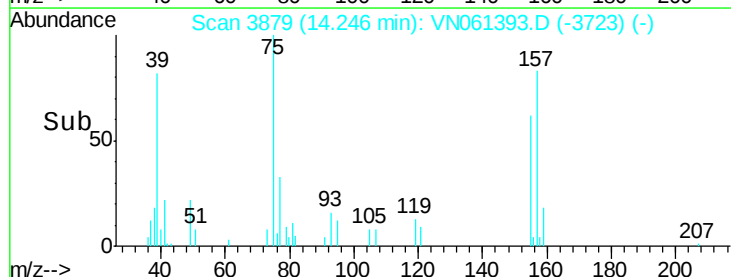
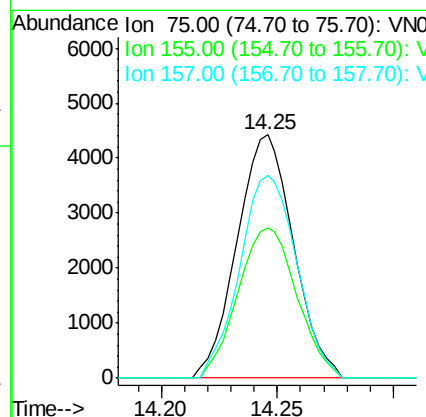
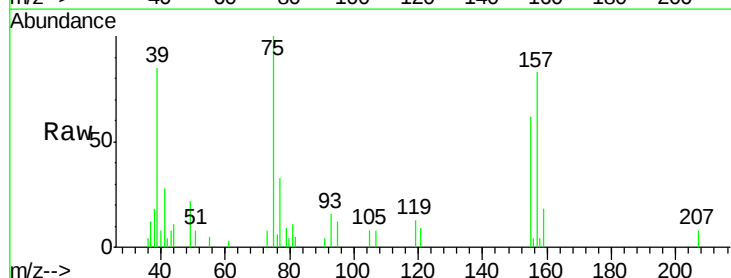
RT: 14.25 min Scan# 3879

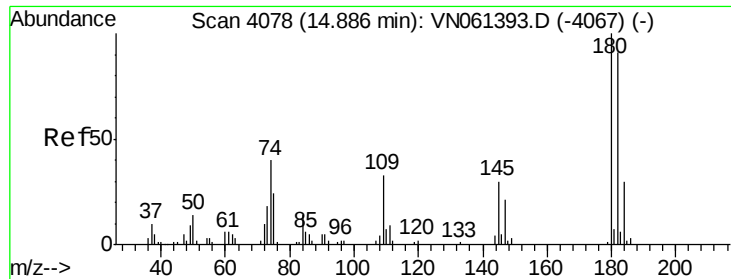
Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Tgt Ion:	75	Resp:	7479
Ion Ratio	Lower	Upper	
75	100		
155	64.3	58.3	87.5
157	84.3	75.0	112.6





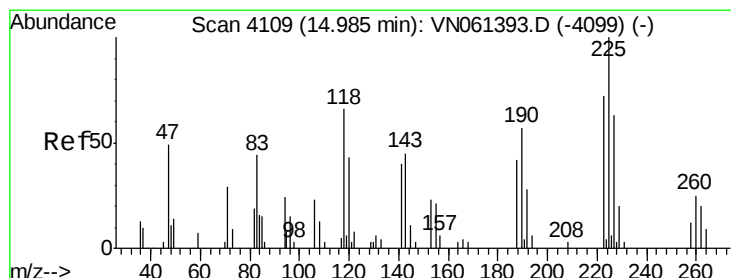
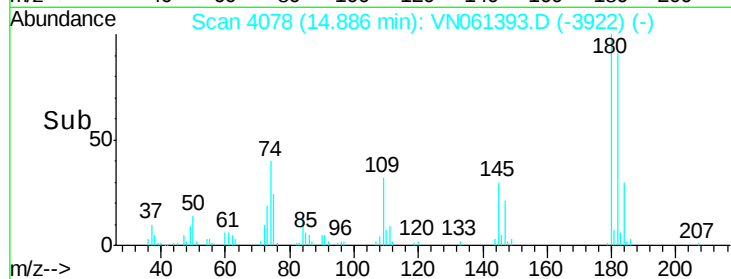
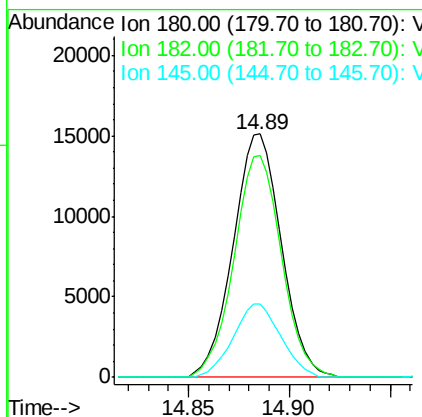
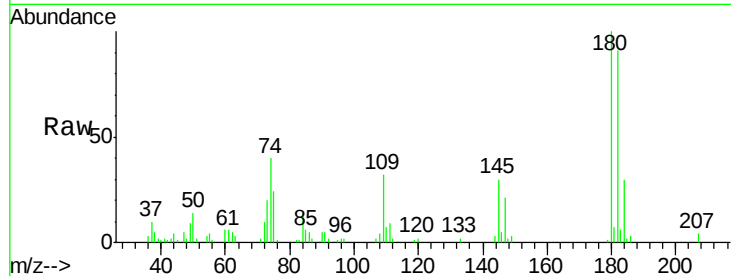
#89
 1,2,4-Trichlorobenzene
 Concen: 16.606 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.9	75.3	112.9
145	29.8	24.8	37.2

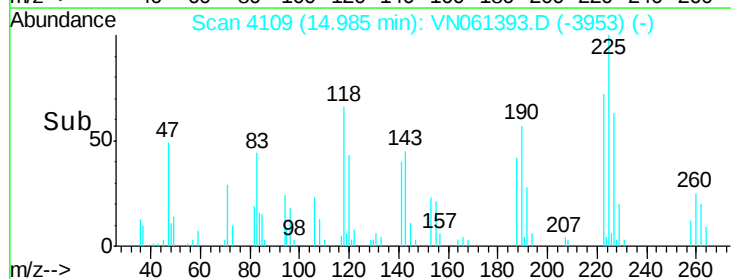
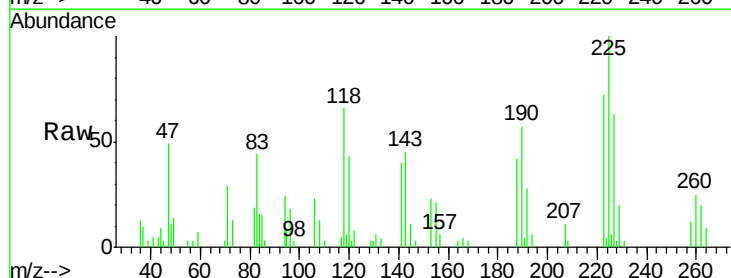
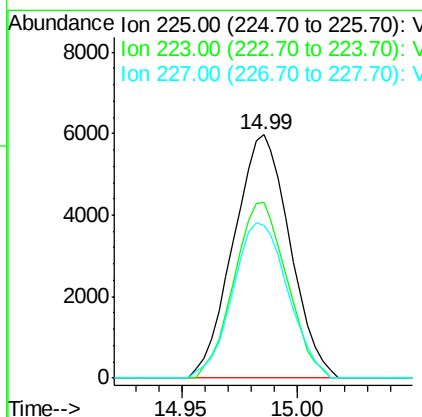
Manual Integrations
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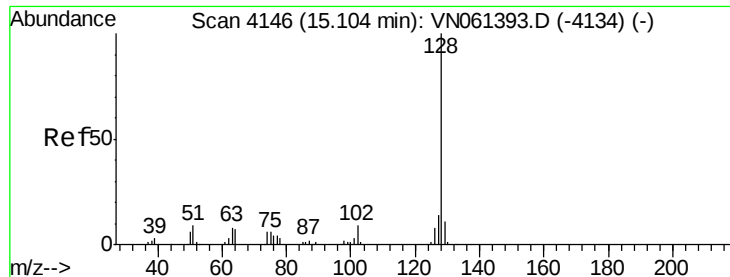
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#90
 Hexachlorobutadiene
 Concen: 13.361 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.7	0.0	126.2
227	62.5	0.0	127.0





#91

Naphthalene

Concen: 17.234 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

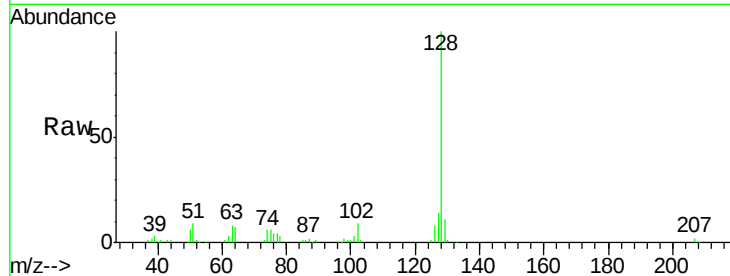
ClientSampleId :

VSTDICCC020

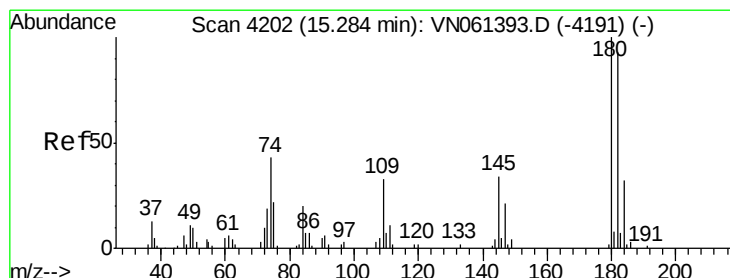
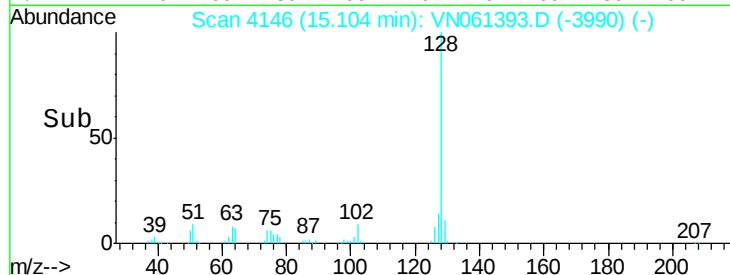
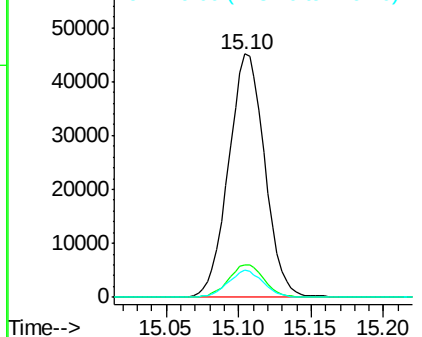
Tot Ion:	128	Resp:	78000
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.7	8.6	13.0

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



#92

1,2,3-Trichlorobenzene

Concen: 16.474 ug/l

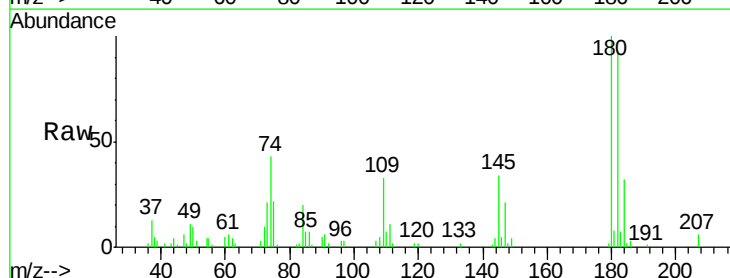
RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Tgt Ion:	180	Resp:	24365
Ion	Ratio	Lower	Upper
180	100		
182	94.2	0.0	193.4
145	34.7	0.0	65.8



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

