

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063051.D
 Acq On : 20 Aug 2020 22:26
 Operator : JC/MD
 Sample : VN0820WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:20:43 AM

Quant Time: Aug 21 06:57:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	172368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	267420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	253330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	117694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	110900	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
35) Dibromofluoromethane	7.55	113	91582	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
50) Toluene-d8	10.06	98	354605	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
62) 4-Bromofluorobenzene	12.38	95	121083	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	44428	19.896	ug/l	99
3) Chloromethane	2.03	50	50501	21.368	ug/l	98
4) Vinyl Chloride	2.16	62	49239	21.543	ug/l	97
5) Bromomethane	2.52	94	29304	21.601	ug/l	96
6) Chloroethane	2.67	64	29281	21.698	ug/l	99
7) Trichlorofluoromethane	2.98	101	57280	20.096	ug/l	97
8) Diethyl Ether	3.37	74	18413	18.261	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	29940	19.493	ug/l	97
10) Methyl Iodide	3.91	142	37476	19.250	ug/l	98
11) Tert butyl alcohol	4.74	59	25141	86.883	ug/l	98
12) 1,1-Dichloroethene	3.70	96	26511	18.119	ug/l	97
13) Acrolein	3.57	56	4019	44.335	ug/l	98
14) Allyl chloride	4.27	41	48033	18.619	ug/l	99
15) Acrylonitrile	4.93	53	82070	96.496	ug/l	99
16) Acetone	3.78	43	65972	101.224	ug/l	97
17) Carbon Disulfide	4.01	76	72933	19.034	ug/l	99
18) Methyl Acetate	4.28	43	39912	19.660	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	99874	19.573	ug/l	98
20) Methylene Chloride	4.51	84	37065	19.771	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	30251	19.757	ug/l	98
22) Diisopropyl ether	5.91	45	120822	20.639	ug/l	97
23) Vinyl Acetate	5.85	43	368780	93.351	ug/l	99
24) 1,1-Dichloroethane	5.80	63	64462	19.705	ug/l	99
25) 2-Butanone	6.79	43	102887	94.864	ug/l	99
26) 2,2-Dichloropropane	6.78	77	43102	16.754	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	37088	19.325	ug/l	98
28) Bromochloromethane	7.15	49	32884	19.212	ug/l	97
29) Tetrahydrofuran	7.17	42	68034	97.194	ug/l	99
30) Chloroform	7.33	83	65355	19.837	ug/l	100
31) Cyclohexane	7.61	56	58606	19.465	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	52210	19.411	ug/l	99
36) 1,1-Dichloropropene	7.75	75	43757	18.567	ug/l	99
37) Ethyl Acetate	6.89	43	41524	18.804	ug/l	99
38) Carbon Tetrachloride	7.73	117	44815	18.836	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	51105	17.123	ug/l	96
40) Benzene	8.00	78	141166	18.886	ug/l	99
41) Methacrylonitrile	7.13	41	18837m	17.904	ug/l	
42) 1,2-Dichloroethane	8.09	62	50020	19.930	ug/l	99
43) Isopropyl Acetate	8.13	43	67681	18.501	ug/l #	88
44) Trichloroethene	8.80	130	34923	18.784	ug/l	98
45) 1,2-Dichloropropane	9.09	63	41645	19.275	ug/l	100
46) Dibromomethane	9.18	93	24563	19.680	ug/l	98
47) Bromodichloromethane	9.37	83	52693	19.275	ug/l	98
48) Methyl methacrylate	9.17	41	32152	18.575	ug/l	98
49) 1,4-Dioxane	9.17	88	11865	322.029	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	219858	95.079	ug/l	98
52) Toluene	10.12	92	87891	19.493	ug/l	99
53) t-1,3-Dichloropropene	10.36	75	52311	18.504	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	57471	18.532	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	37194	19.292	ug/l	99
56) Ethyl methacrylate	10.40	69	48524	17.469	ug/l	97
57) 1,3-Dichloropropane	10.68	76	60638	18.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	47295	74.344	ug/l	98
59) 2-Hexanone	10.72	43	151579	93.977	ug/l	96
60) Dibromochloromethane	10.87	129	40218	18.850	ug/l	99
61) 1,2-Dibromoethane	10.98	107	35747	19.297	ug/l	99
64) Tetrachloroethene	10.60	164	32234	19.357	ug/l	97
65) Chlorobenzene	11.41	112	96460	18.959	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	37736	19.069	ug/l	100
67) Ethyl Benzene	11.49	91	159793	18.587	ug/l	99
68) m/p-Xylenes	11.60	106	122914	38.468	ug/l	99
69) o-Xylene	11.92	106	57337	18.687	ug/l	98
70) Styrene	11.94	104	100864	17.852	ug/l	99
71) Bromoform	12.10	173	29284	18.591	ug/l #	99
73) Isopropylbenzene	12.23	105	157680	19.564	ug/l	98
74) N-amyl acetate	12.05	43	56194	19.467	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	54193	19.821	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	45054m	19.694	ug/l	
77) Bromobenzene	12.50	156	43309	19.538	ug/l	99
78) n-propylbenzene	12.57	91	184090	20.039	ug/l	99
79) 2-Chlorotoluene	12.65	91	112117	19.403	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	132314	19.859	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	14431	17.325	ug/l	90
82) 4-Chlorotoluene	12.75	91	116356	19.776	ug/l	99
83) tert-Butylbenzene	12.97	119	113536	19.744	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	128186	19.749	ug/l	99
85) sec-Butylbenzene	13.15	105	151359	19.476	ug/l	100
86) p-Isopropyltoluene	13.26	119	130041	19.204	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	73649	19.333	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	73743	19.072	ug/l	99
89) n-Butylbenzene	13.59	91	99415	17.402	ug/l	99
90) Hexachloroethane	13.85	117	27126	18.847	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	71196	19.348	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8537	21.032	ug/l	94

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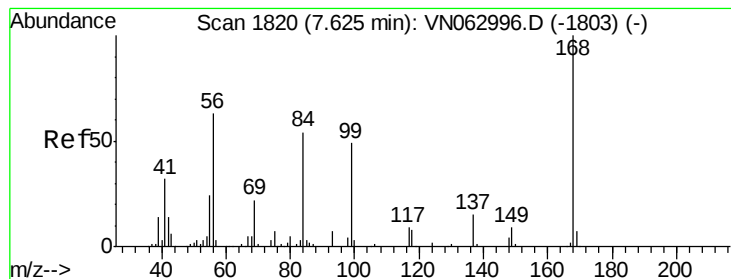
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	30791	18.268	ug/l	99
94) Hexachlorobutadiene	14.98	225	23982	17.637	ug/l	99
95) Naphthalene	15.10	128	66018	18.114	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	31288	18.372	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion:168 Resp: 172368

Ion Ratio Lower Upper

168 100

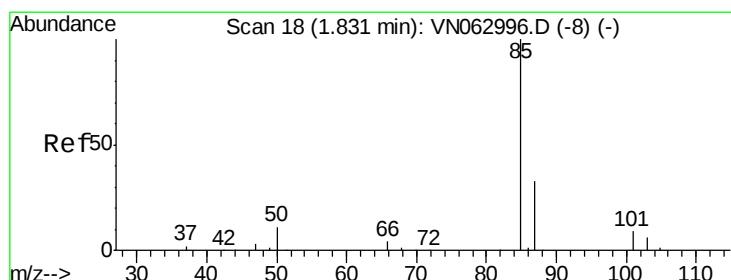
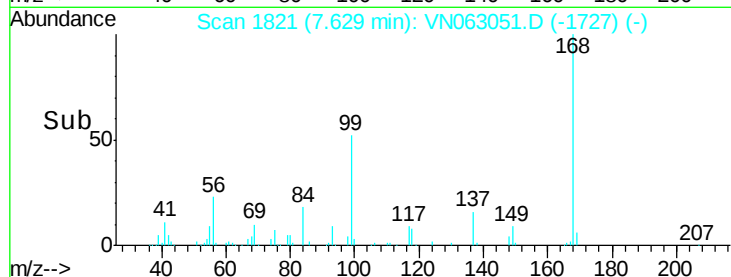
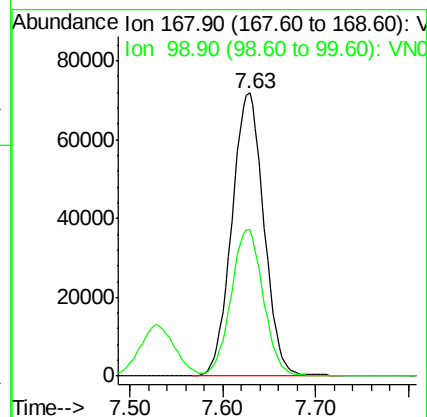
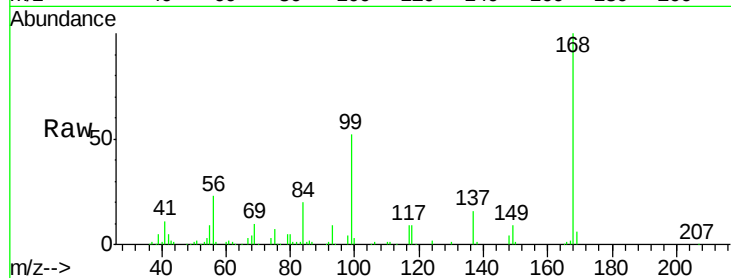
99 51.6 42.0 63.0

Manual Integrations

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8/21/2020 9:20:43 AM



#2

Dichlorodifluoromethane

Concen: 19.896 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063051.D

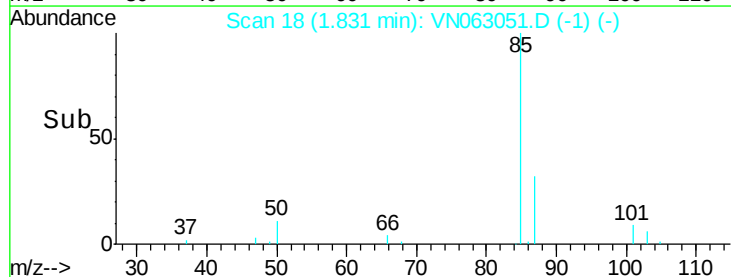
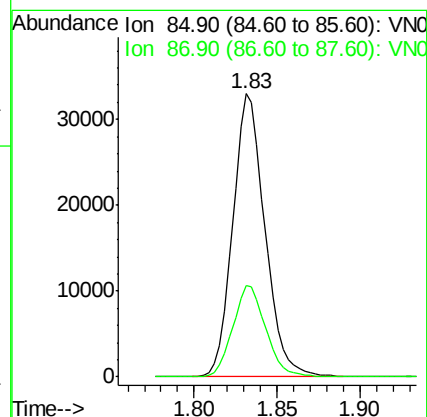
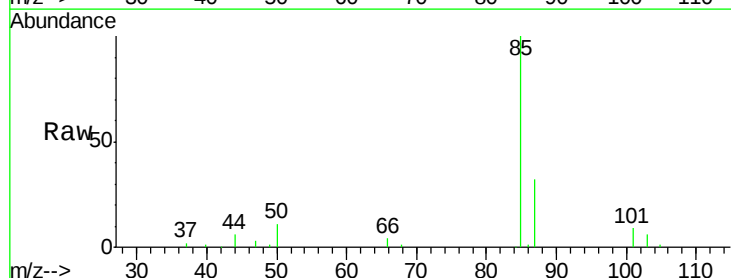
Acq: 20 Aug 2020 22:26

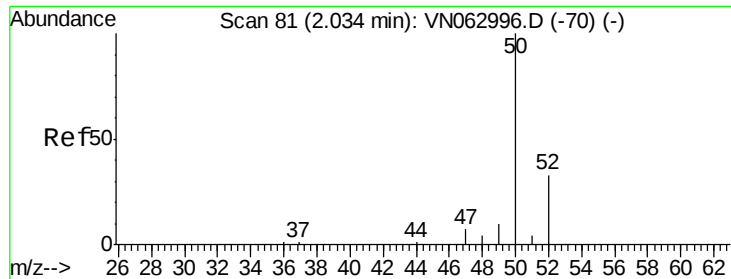
Tgt Ion: 85 Resp: 44428

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.4





#3

Chloromethane

Concen: 21.368 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 50 Resp: 50501

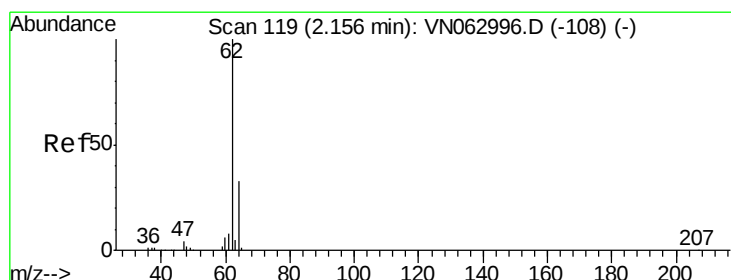
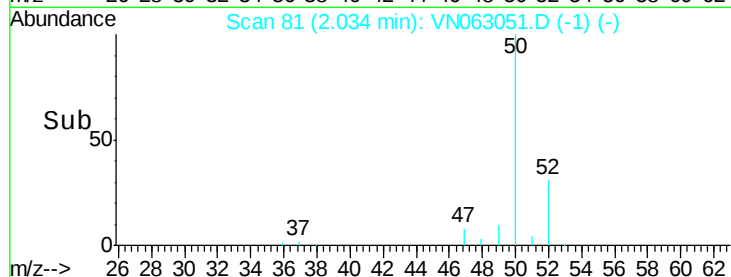
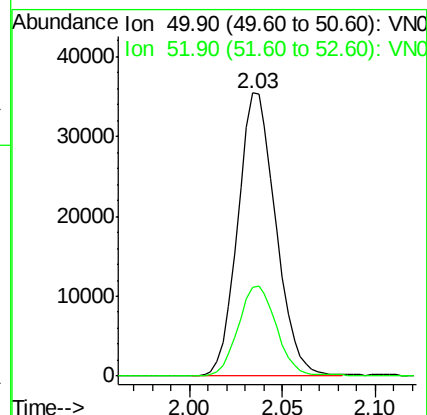
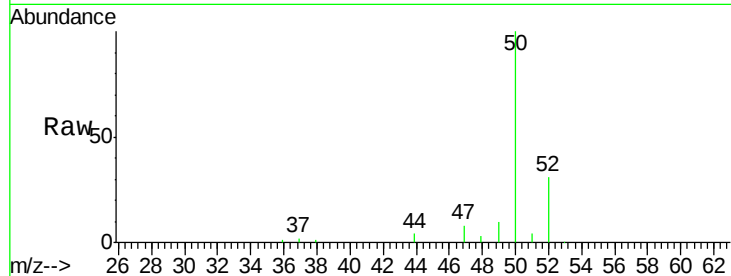
Ion Ratio Lower Upper

50 100

52 31.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 21.543 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063051.D

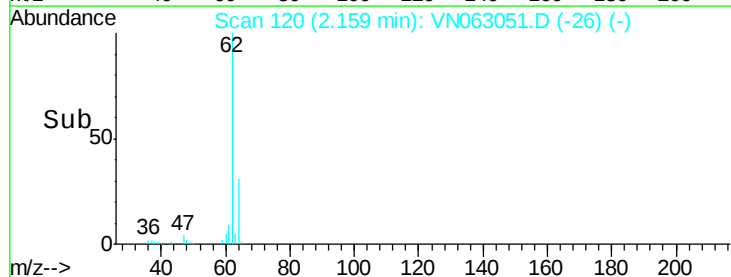
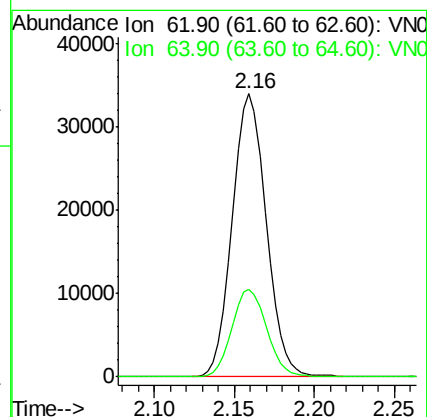
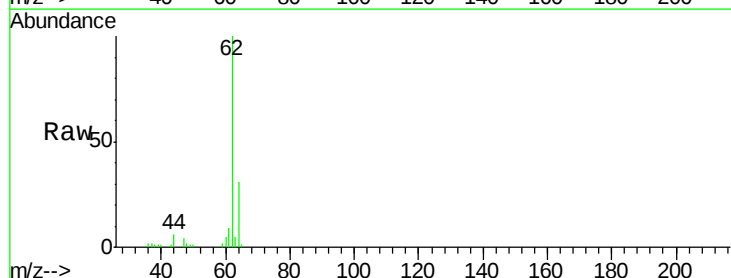
Acq: 20 Aug 2020 22:26

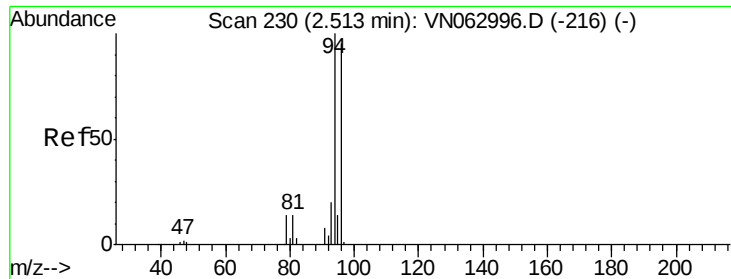
Tgt Ion: 62 Resp: 49239

Ion Ratio Lower Upper

62 100

64 31.0 26.2 39.2





#5

Bromomethane

Concen: 21.601 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

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ClientSampleId :

VN0820WBSD02

Tot Ion: 94 Resp: 29304

Ion Ratio Lower Upper

94 100

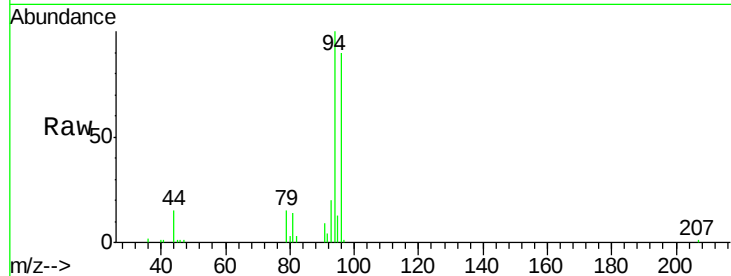
96 90.5 75.8 113.8

Manual Integrations

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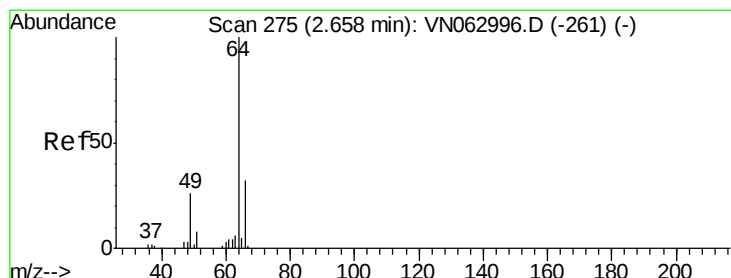
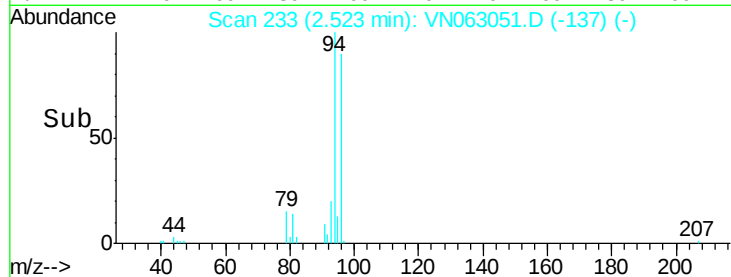
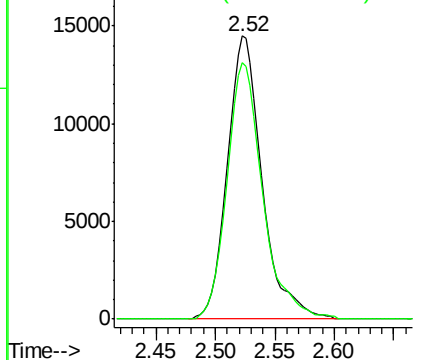
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.698 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.01 min

Lab File: VN063051.D

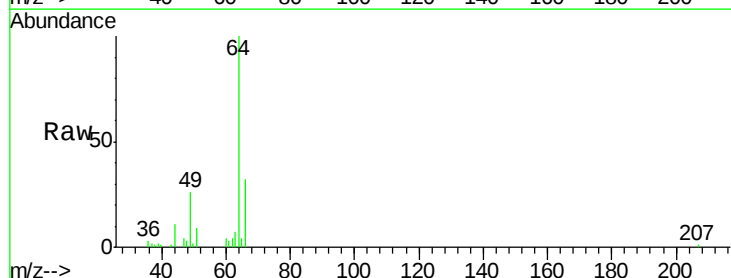
Acq: 20 Aug 2020 22:26

Tgt Ion: 64 Resp: 29281

Ion Ratio Lower Upper

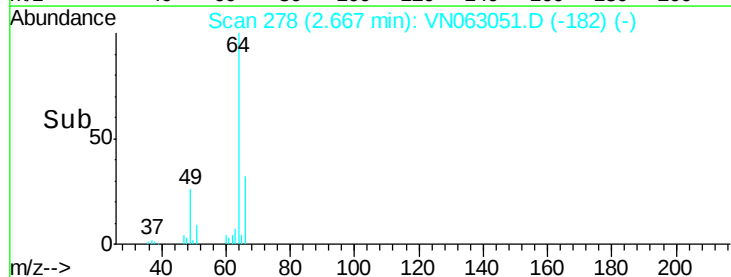
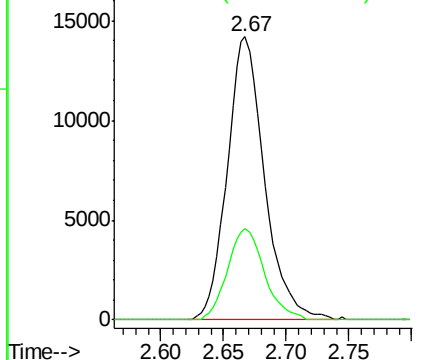
64 100

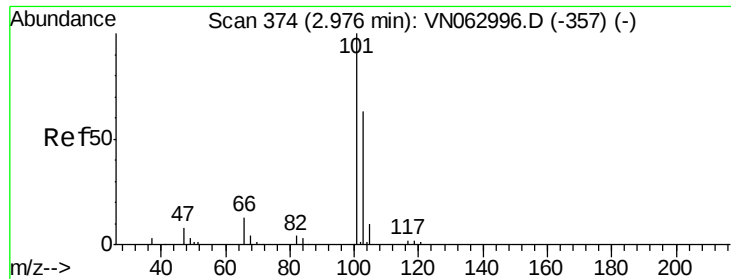
66 32.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

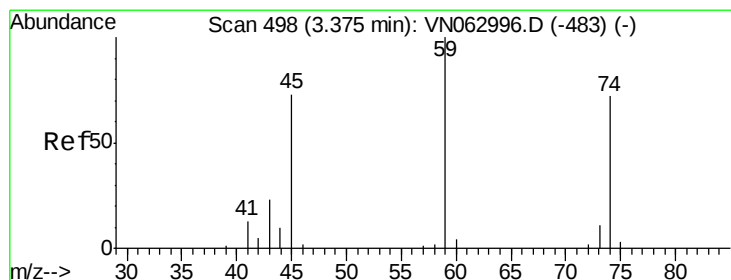
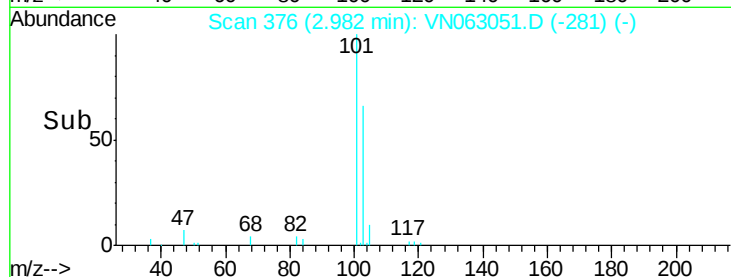
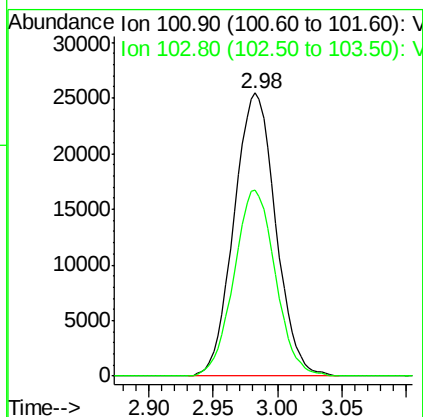
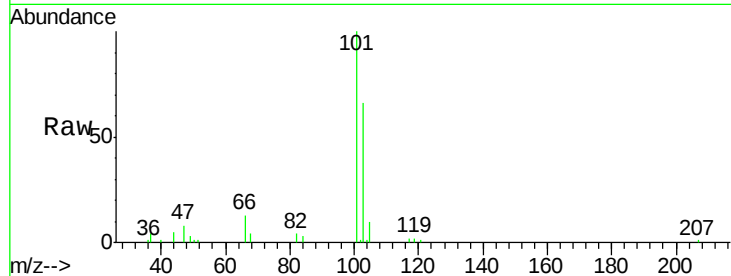
Trichlorofluoromethane
Concen: 20.096 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.01 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.5	75.7

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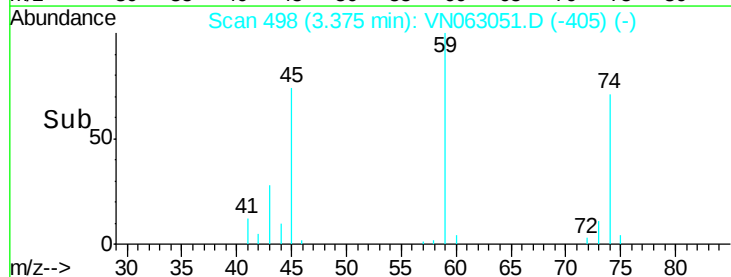
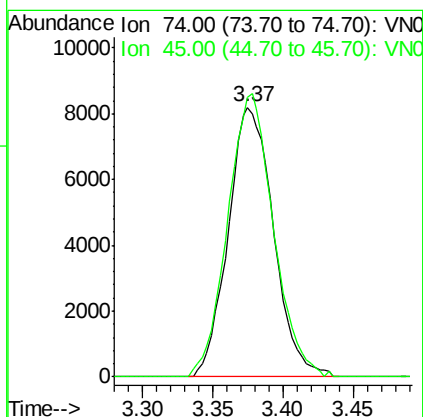
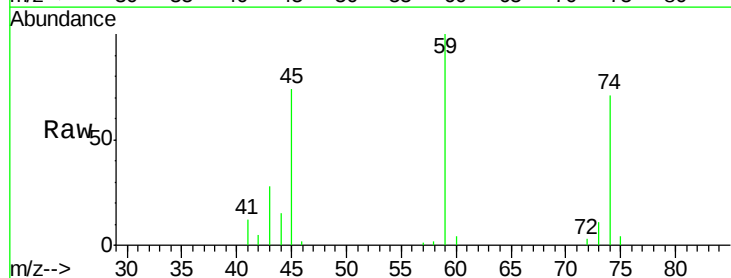
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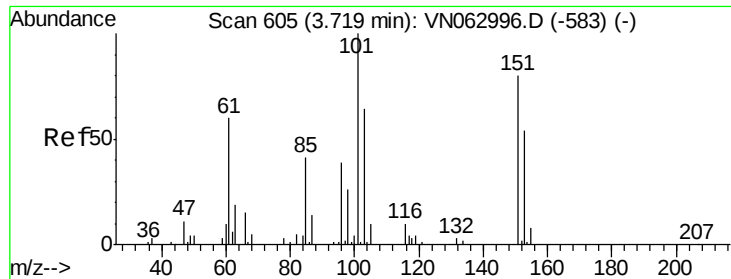


#8

Diethyl Ether
Concen: 18.261 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.9	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.493 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

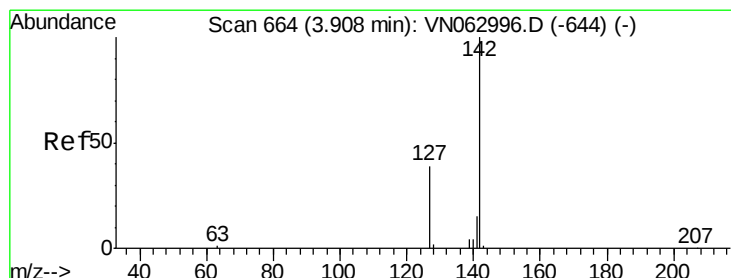
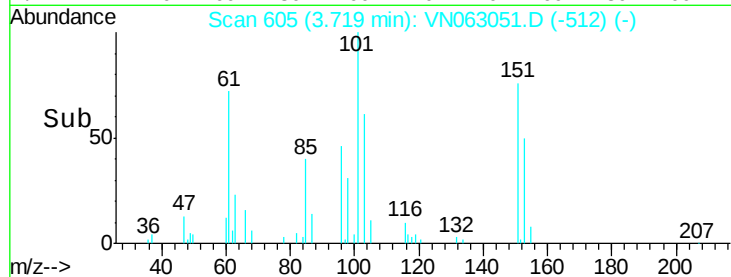
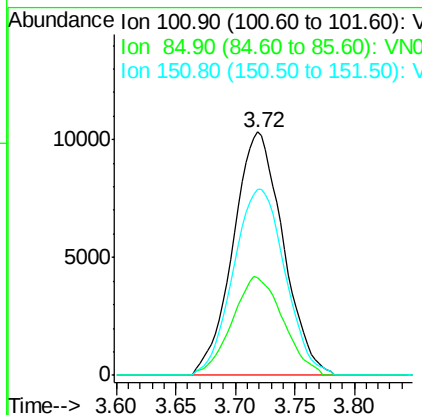
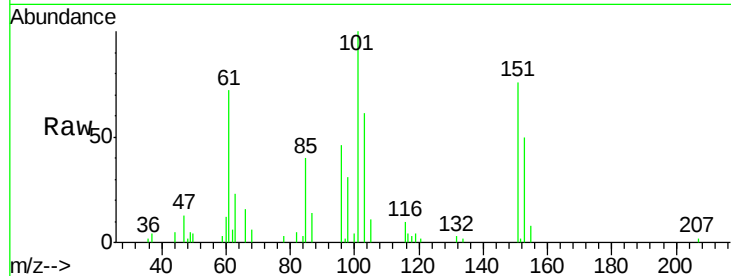
ClientSampleId :

VN0820WBSD02

Tot Ion:	101	Resp:	29940
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.0	51.0
151	79.2	65.8	98.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.250 ug/l

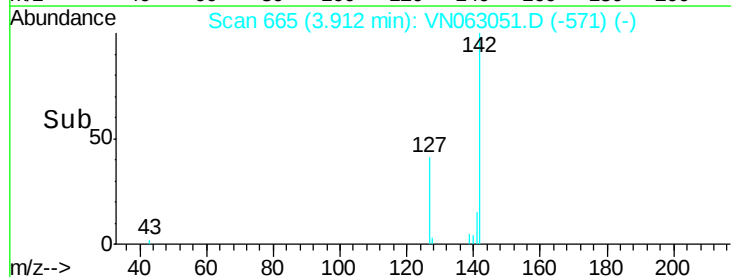
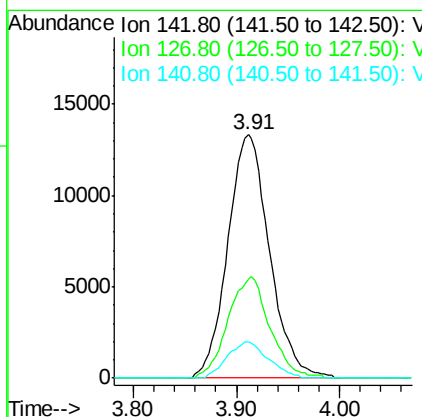
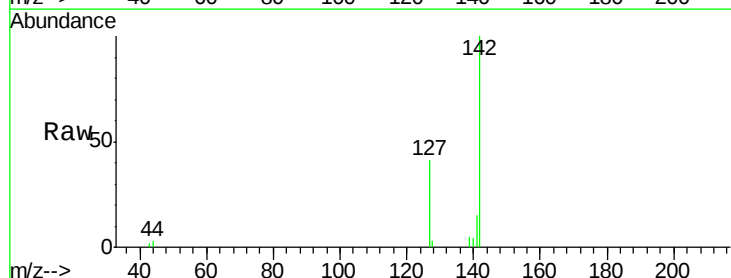
RT: 3.91 min Scan# 665

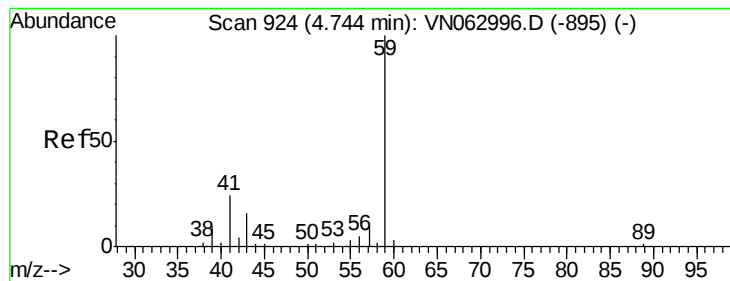
Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Tgt Ion:	142	Resp:	37476
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.2	48.4
141	14.5	11.3	16.9





#11

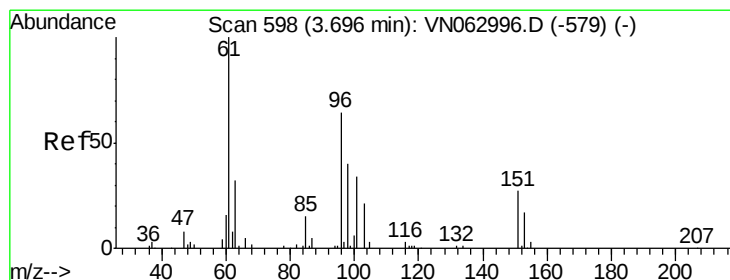
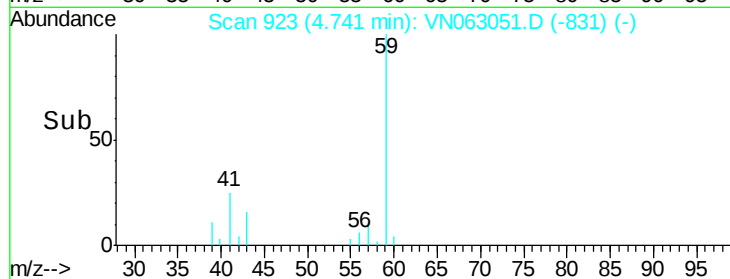
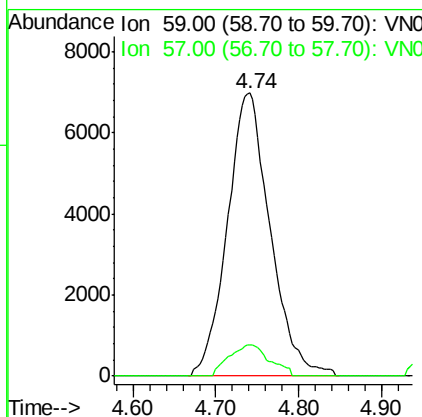
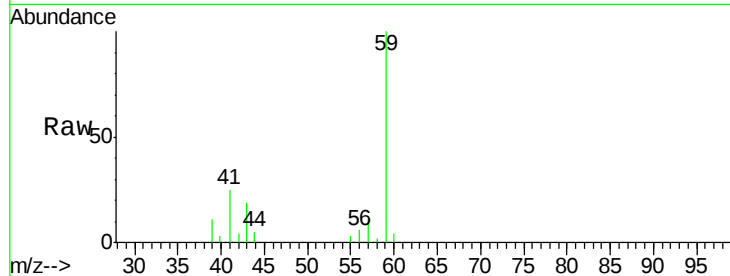
Tert butyl alcohol
 Concen: 86.883 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	59	Resp	25141
Ion Ratio	100	Lower	Upper
57	10.4	7.8	11.6

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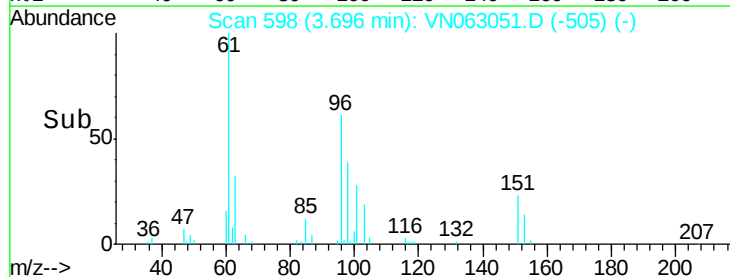
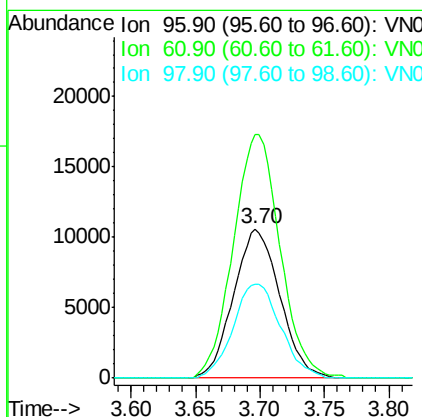
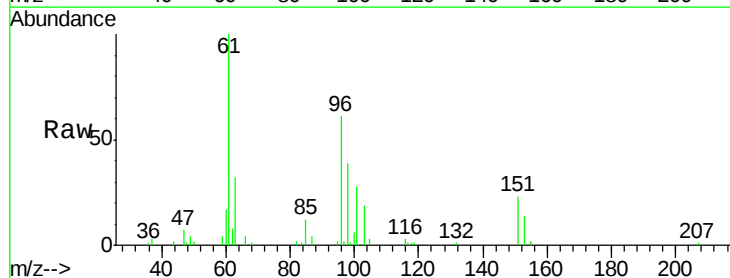
MMDadoda
 8/21/2020 9:20:43 AM

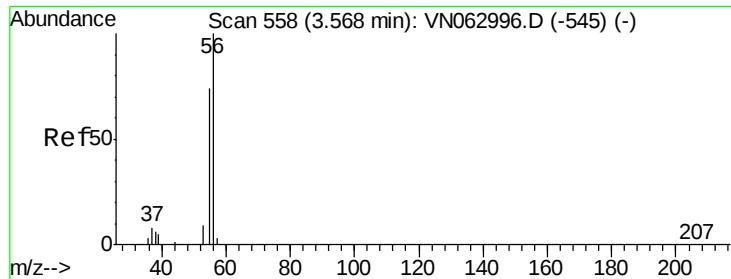


#12

1,1-Dichloroethene
 Concen: 18.119 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	96	Resp	26511
Ion Ratio	100	Lower	Upper
61	162.8	125.5	188.3
98	63.2	50.4	75.6





#13

Acrolein

Concen: 44.335 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.01 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 56 Resp: 4019

Ion Ratio Lower Upper

56 100

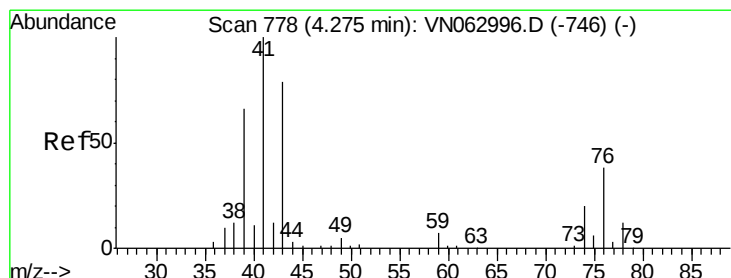
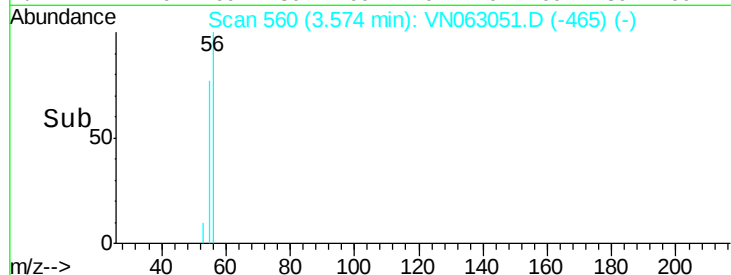
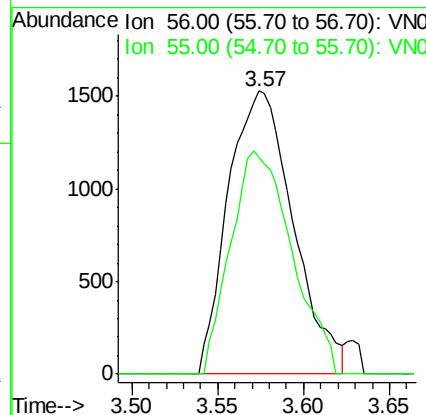
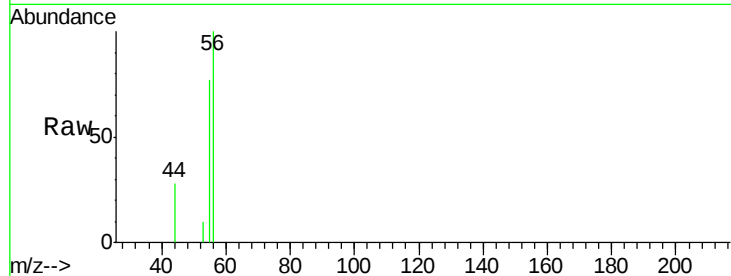
55 74.4 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 18.619 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

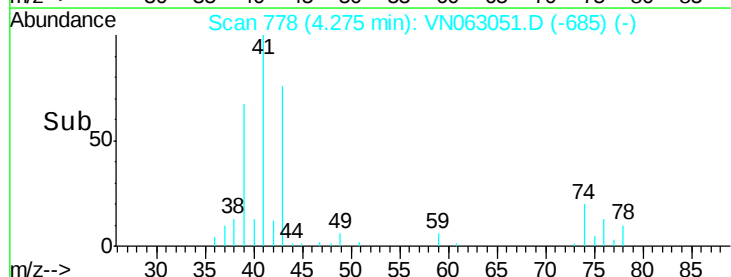
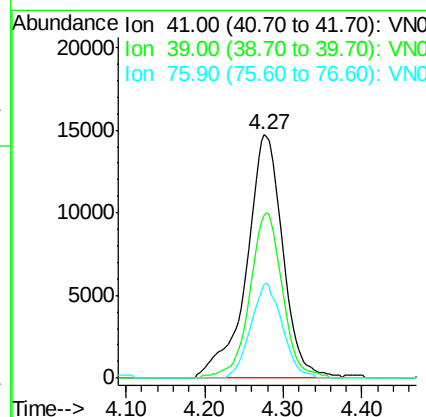
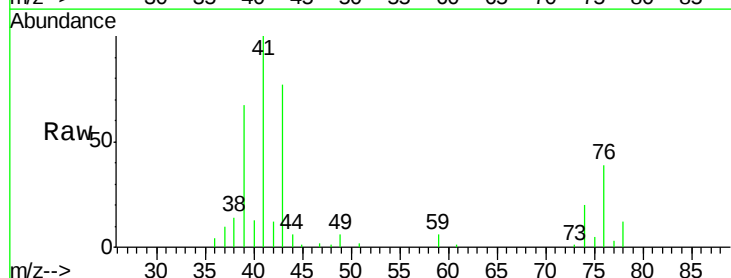
Tgt Ion: 41 Resp: 48033

Ion Ratio Lower Upper

41 100

39 61.4 47.9 71.9

76 33.9 27.0 40.6





#15

Acrylonitrile

Concen: 96.496 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

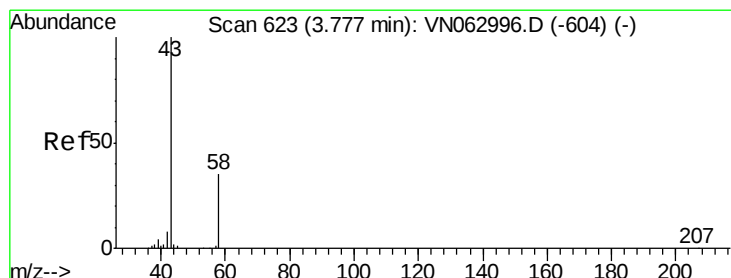
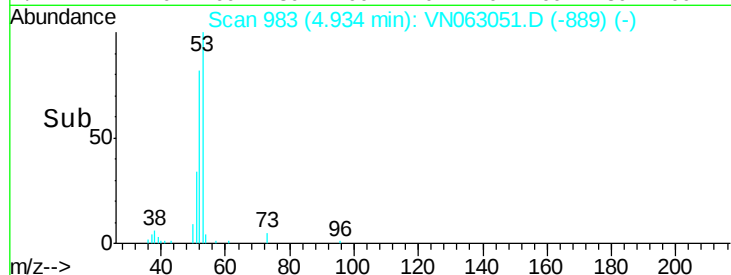
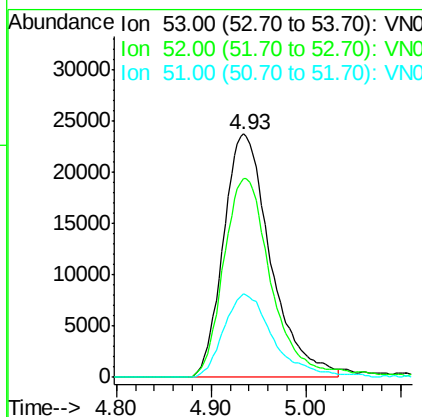
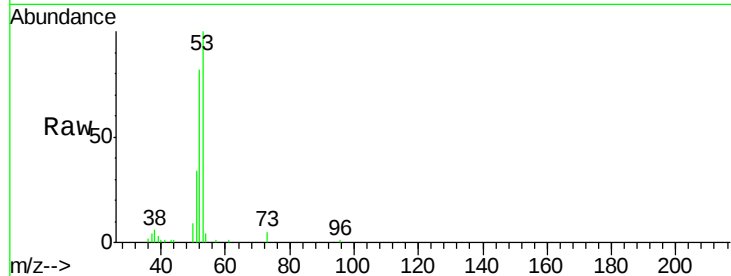
ClientSampleId :

VN0820WBSD02

Tot Ion:	53	Resp:	82070
Ion Ratio		Lower	Upper
53	100		
52	81.0	65.6	98.4
51	35.1	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 101.224 ug/l

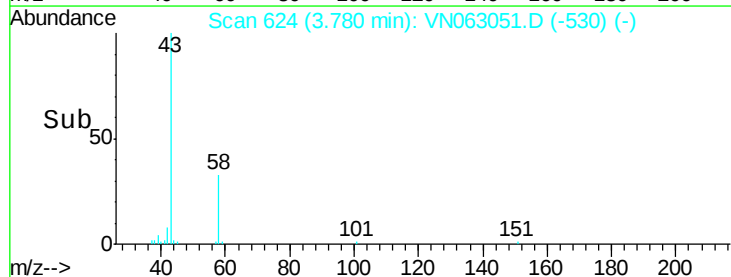
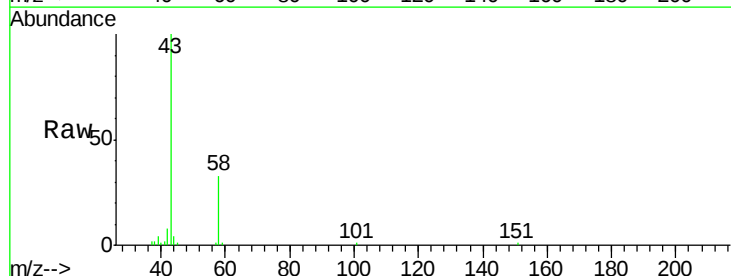
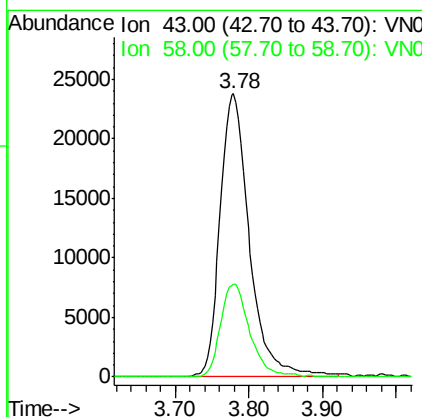
RT: 3.78 min Scan# 624

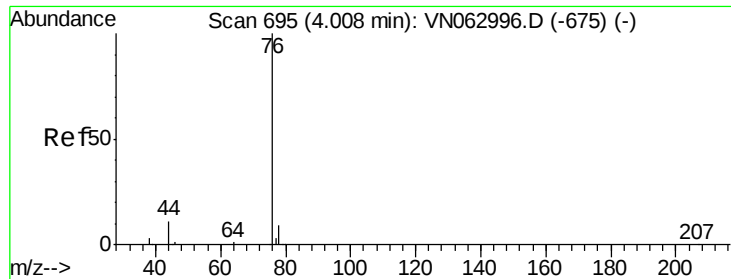
Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Tgt Ion:	43	Resp:	65972
Ion Ratio		Lower	Upper
43	100		
58	32.8	27.8	41.6





#17

Carbon Disulfide

Concen: 19.034 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 76 Resp: 72933

Ion Ratio Lower Upper

76 100

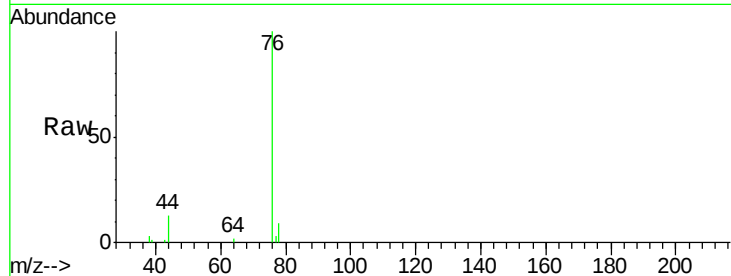
78 8.8 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

30000

25000

20000

15000

10000

5000

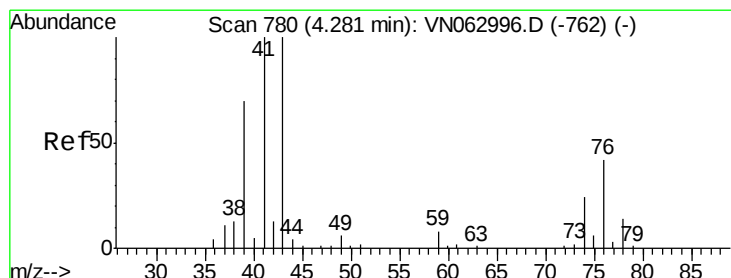
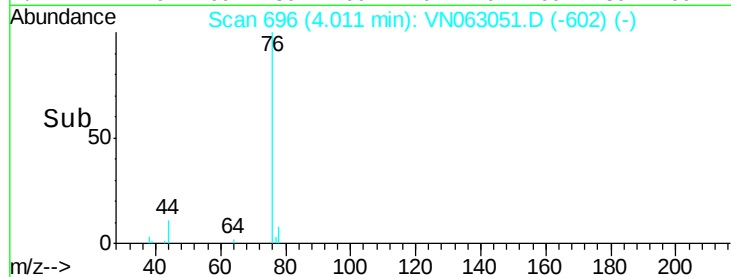
0

Time-->

3.90

4.01

4.10



#18

Methyl Acetate

Concen: 19.660 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN063051.D

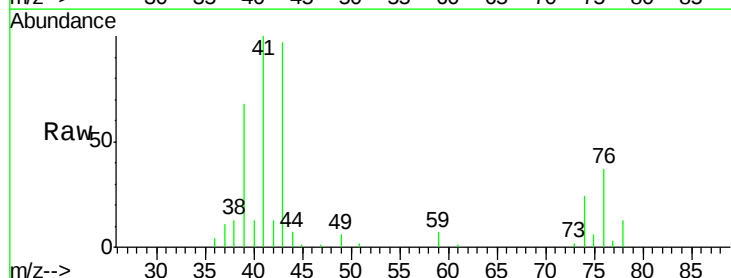
Acq: 20 Aug 2020 22:26

Tgt Ion: 43 Resp: 39912

Ion Ratio Lower Upper

43 100

74 23.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

15000

10000

5000

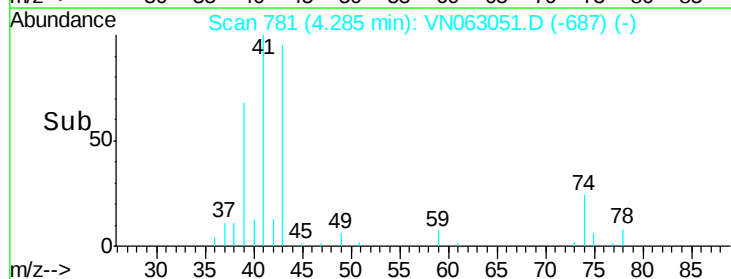
0

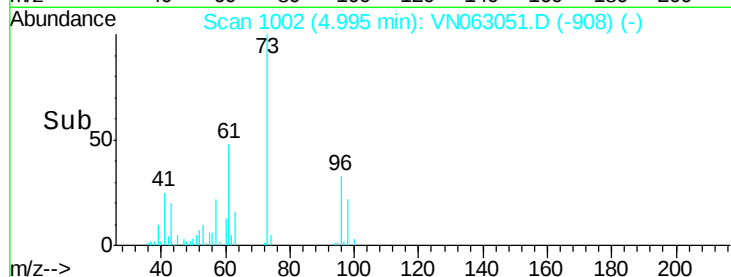
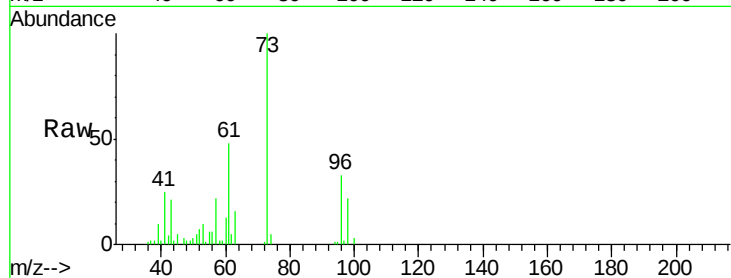
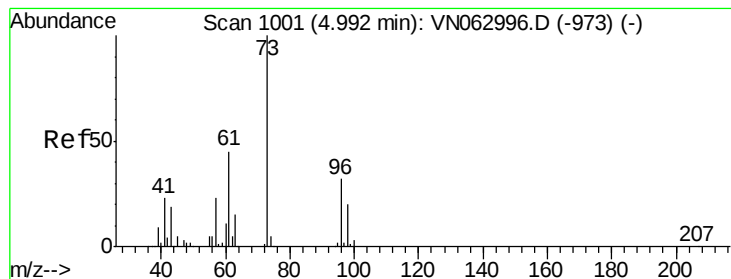
Time-->

4.20

4.28

4.40





#19

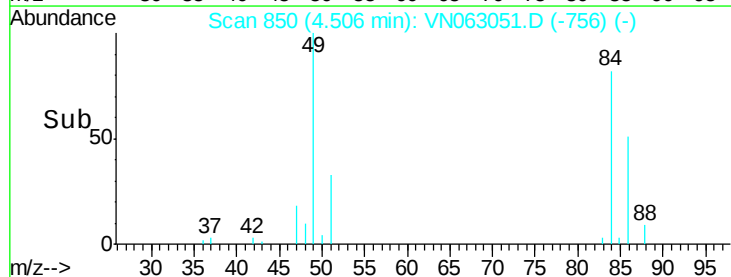
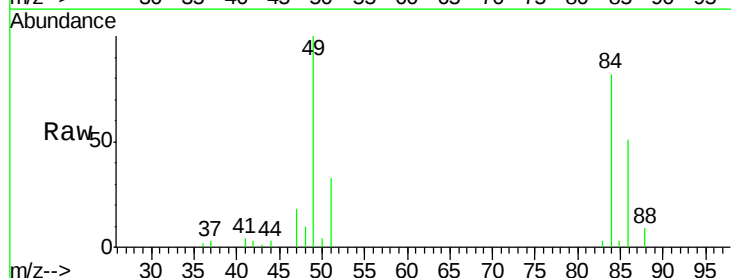
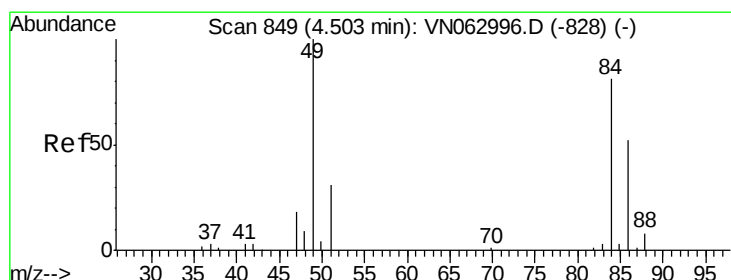
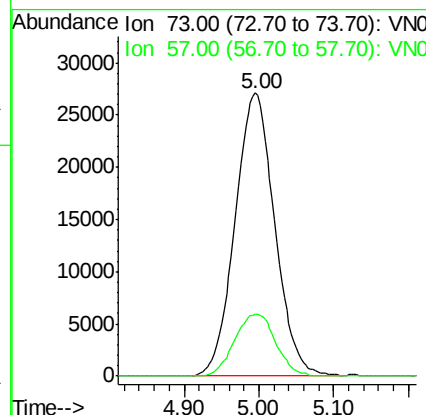
Methyl tert-butyl Ether
Concen: 19.573 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tot Ion	73	57	Ratio	100	21.7	Resp	99874	Lower	18.1	Upper	27.1
Ion	73	57	Ratio	100	21.7	Resp	99874	Lower	18.1	Upper	27.1

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Manual Integrations
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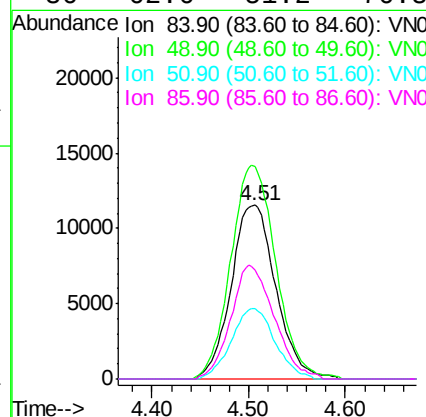
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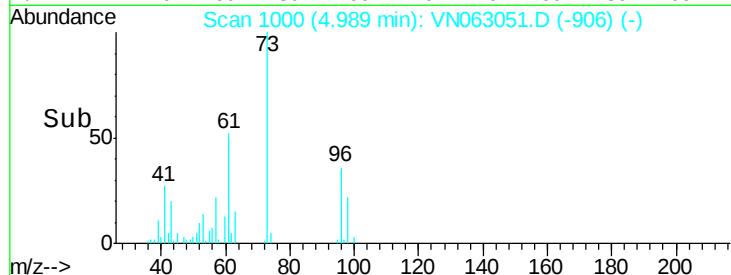
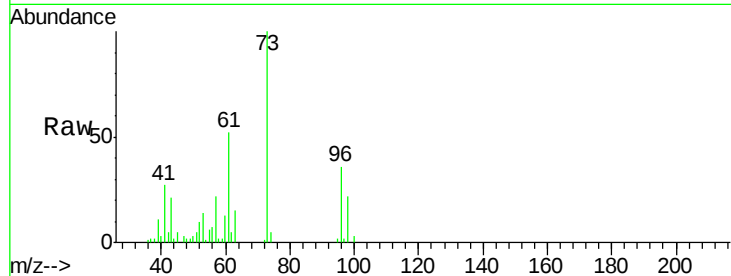
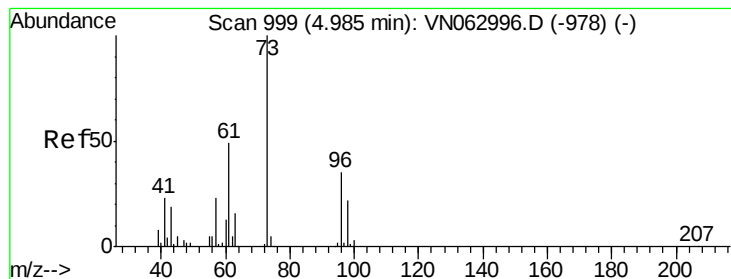


#20

Methylene Chloride
Concen: 19.771 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	84	49	51	86	Ratio	100	122.1	40.4	62.6	Resp	37065	Lower	98.7	30.8	51.2	Upper	148.1	46.2	76.8
Ion	84	49	51	86	Ratio	100	122.1	40.4	62.6	Resp	37065	Lower	98.7	30.8	51.2	Upper	148.1	46.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 19.757 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN063051.D

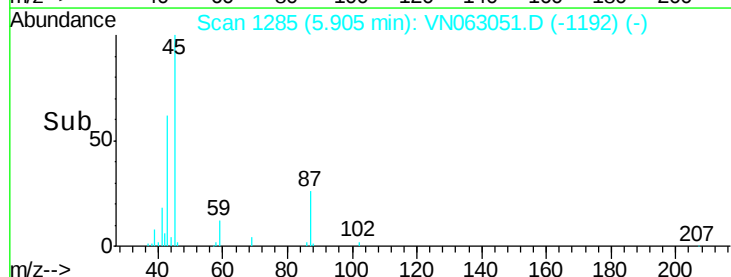
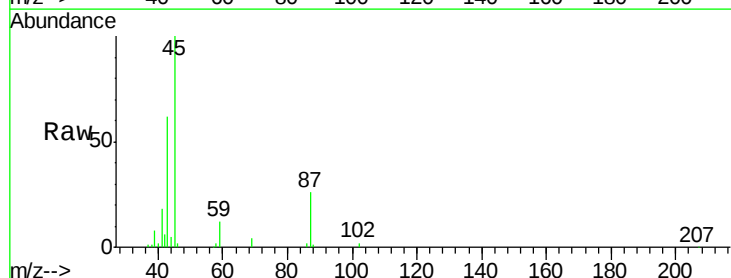
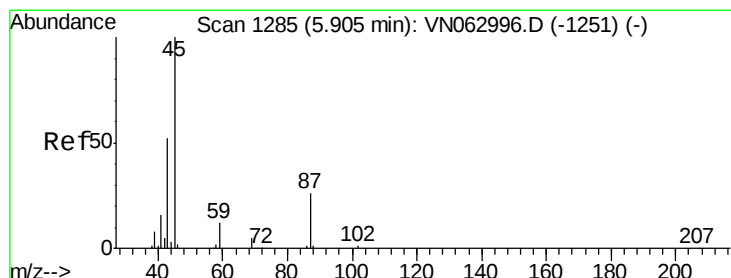
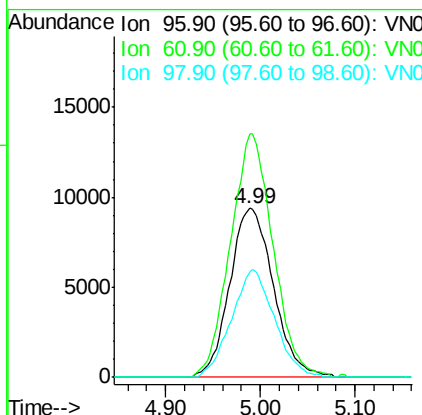
Acq: 20 Aug 2020 22:26

Tot Ion:	96	Resp:	30251
Ion	Ratio	Lower	Upper
96	100		
61	144.0	112.5	168.7
98	62.2	49.4	74.0

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

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#22

Diisopropyl ether

Concen: 20.639 ug/l

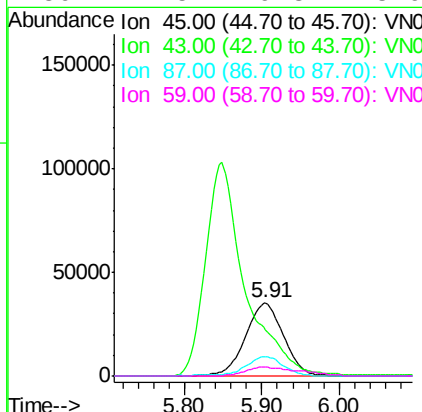
RT: 5.91 min Scan# 1285

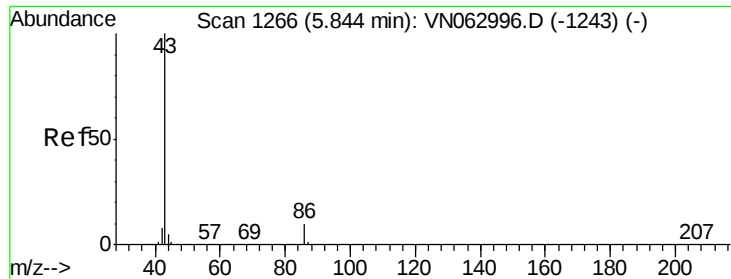
Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Tgt Ion:	45	Resp:	120822
Ion	Ratio	Lower	Upper
45	100		
43	59.5	45.7	68.5
87	25.9	21.8	32.6
59	12.5	9.3	13.9





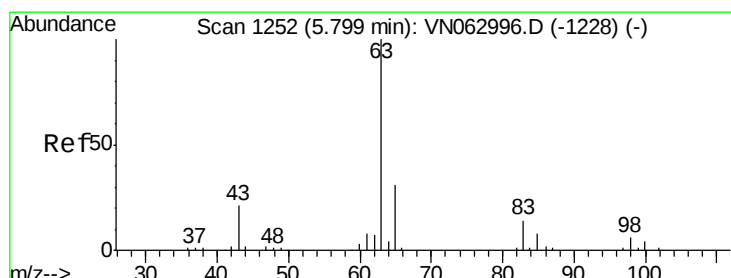
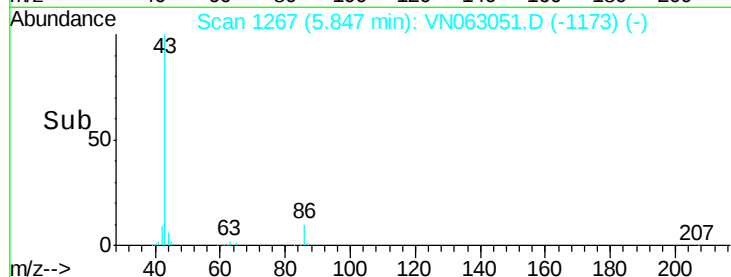
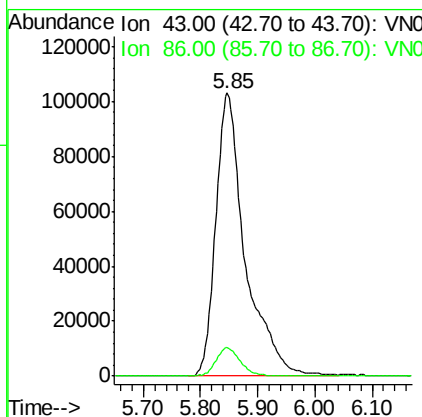
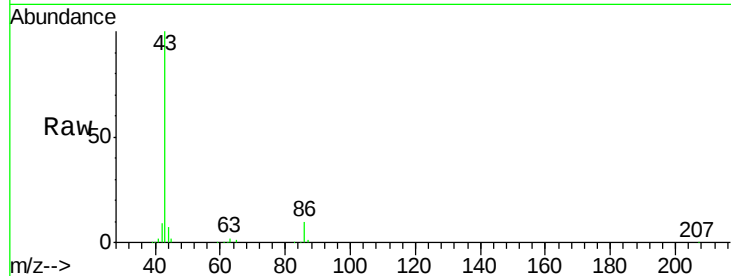
#23
 Vinyl Acetate
 Concen: 93.351 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	43	Resp	368780
Ion Ratio	Lower	Upper	
43	100		
86	10.2	8.0	12.0

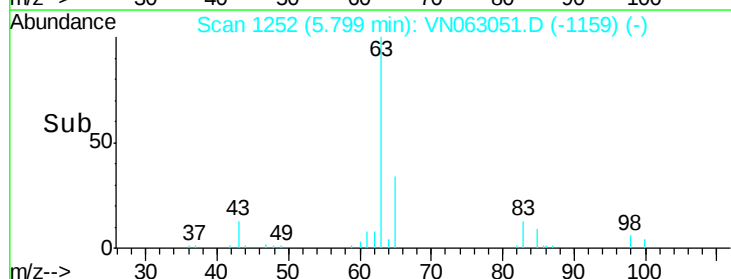
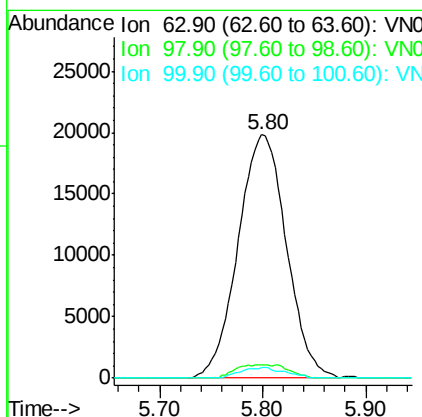
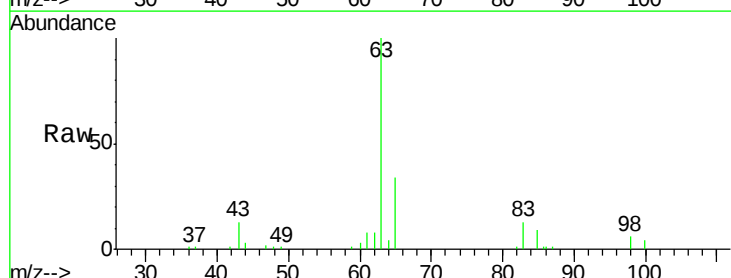
Manual Integrations
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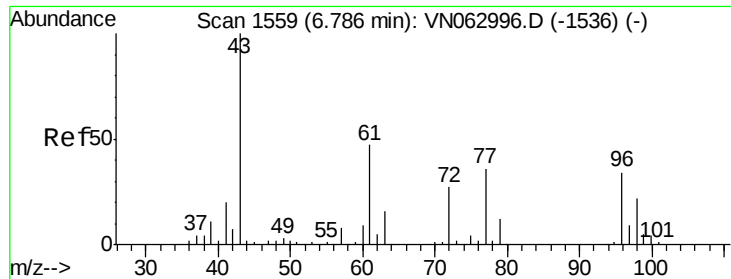
MMDadoda
 8/21/2020 9:20:43 AM



#24
 1,1-Dichloroethane
 Concen: 19.705 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	63	Resp	64462
Ion Ratio	Lower	Upper	
63	100		
98	5.7	2.9	8.7
100	4.1	2.0	5.8





#25

2-Butanone

Concen: 94.864 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 43 Resp: 102887

Ion Ratio Lower Upper

43 100

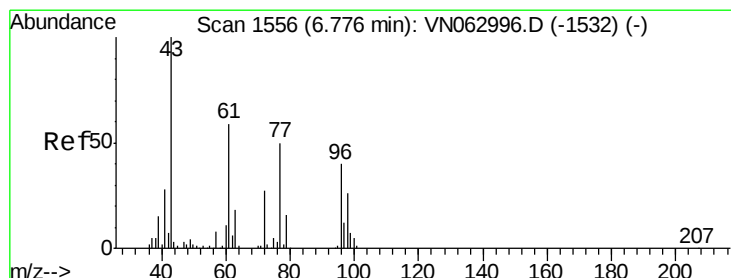
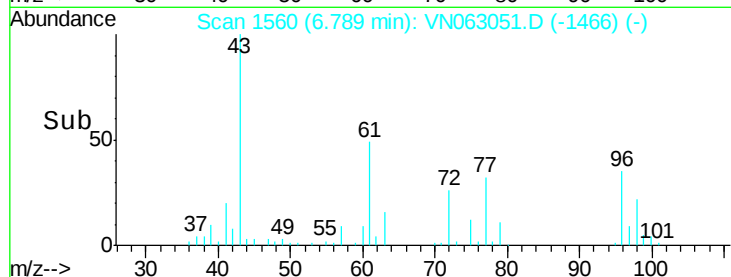
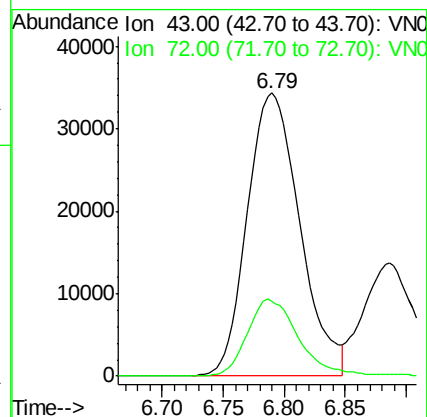
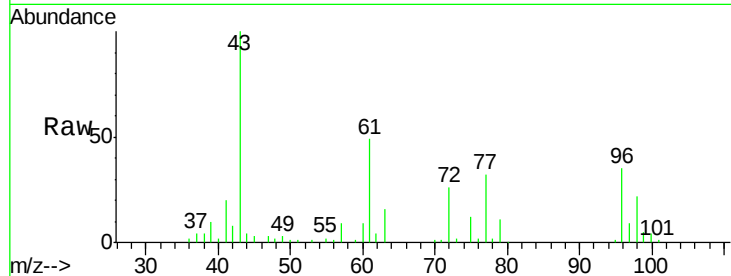
72 26.5 21.8 32.6

Manual Integrations

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8/21/2020 9:20:43 AM



#26

2,2-Dichloropropane

Concen: 16.754 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN063051.D

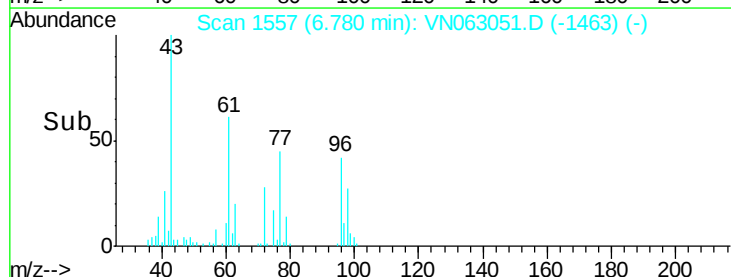
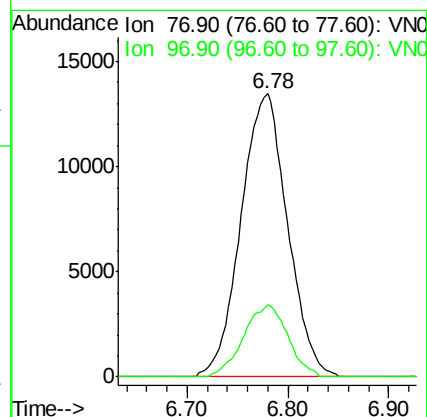
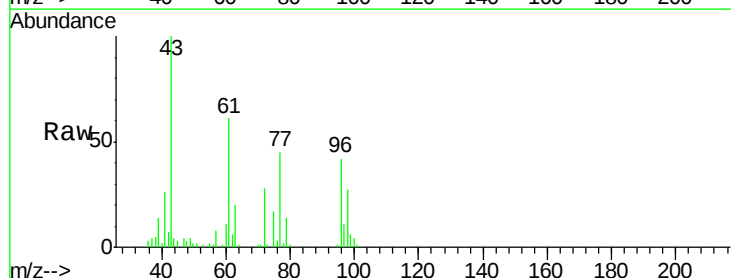
Acq: 20 Aug 2020 22:26

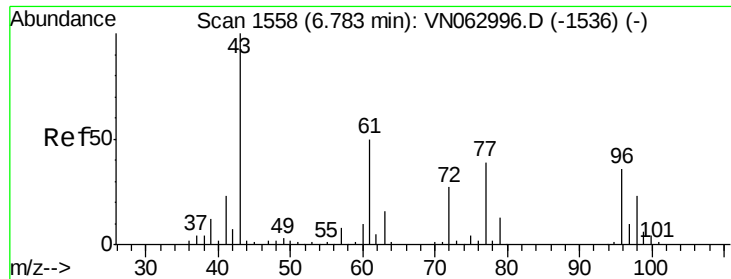
Tgt Ion: 77 Resp: 43102

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 19.325 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

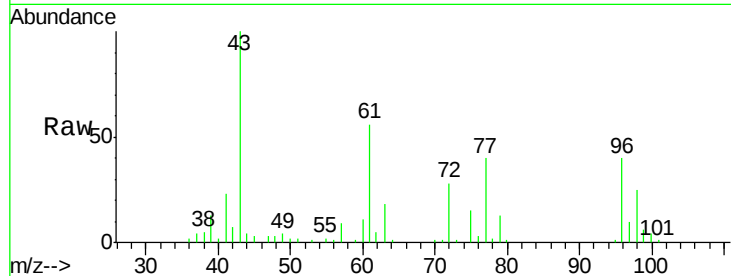
ClientSampleId :

VN0820WBSD02

Tot Ion:	96	Resp:	37088
Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	292.8
98	62.7	0.0	130.6

Manual Integrations
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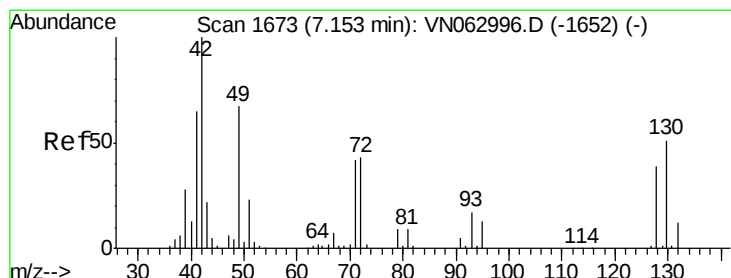
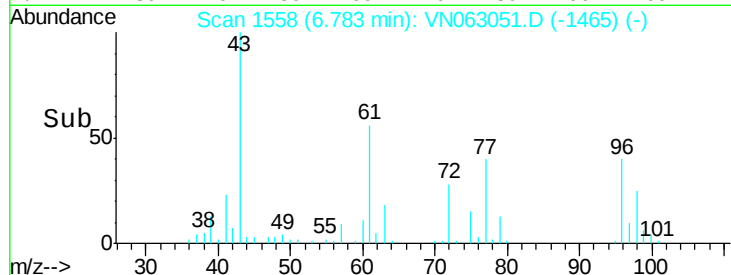
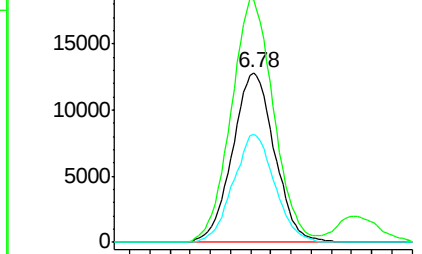
MMDadoda
8/21/2020 9:20:43 AM



Abundance Ion 95.90 (95.60 to 96.60): VN062996.D (-1536) (-)

Ion 60.90 (60.60 to 61.60): VN062996.D (-1536) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-1536) (-)



#28

Bromochloromethane

Concen: 19.212 ug/l

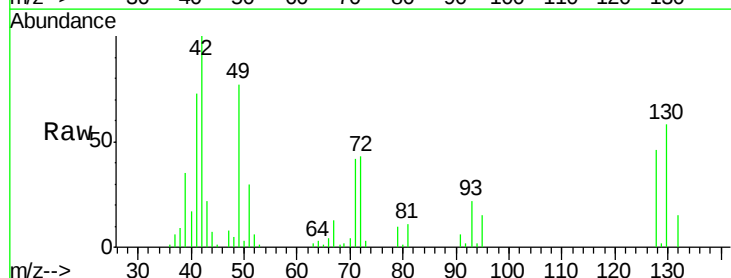
RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

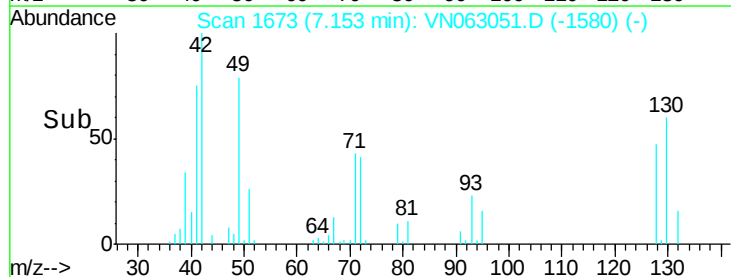
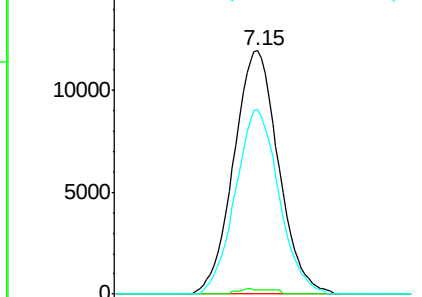
Tgt Ion:	49	Resp:	32884
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	73.8	61.1	91.7

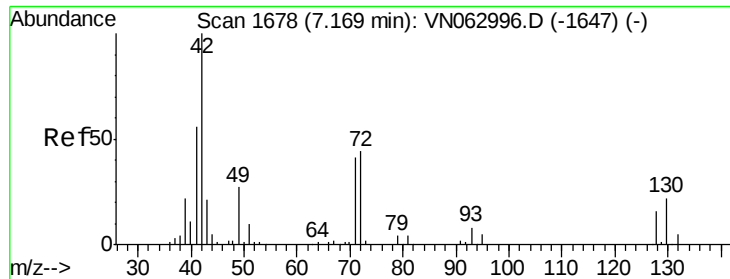


Abundance Ion 48.90 (48.60 to 49.60): VN062996.D (-1652) (-)

Ion 128.80 (128.50 to 129.50): VN062996.D (-1652) (-)

Ion 129.80 (129.50 to 130.50): VN062996.D (-1652) (-)





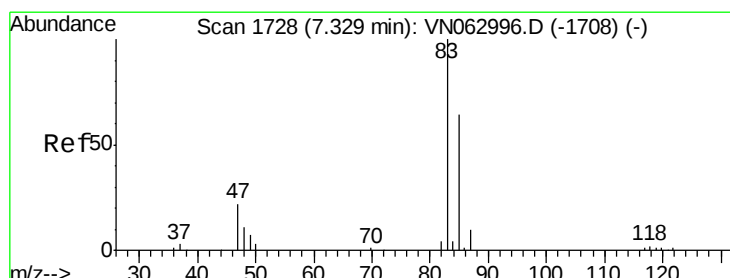
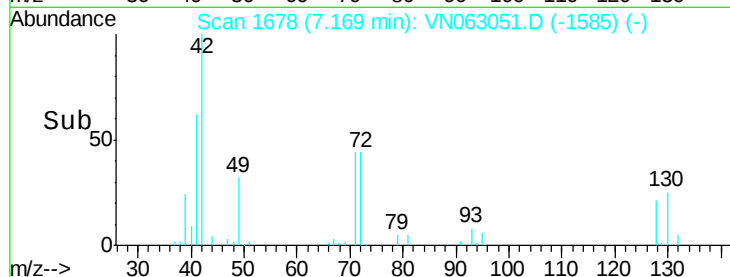
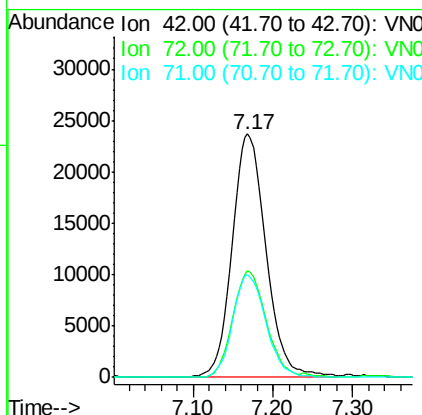
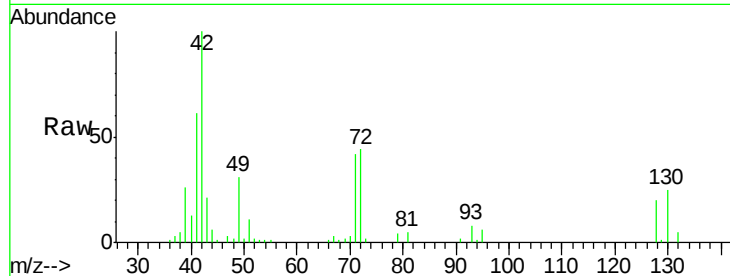
#29
Tetrahydrofuran
Concen: 97.194 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.6	52.0
71	41.1	32.3	48.5

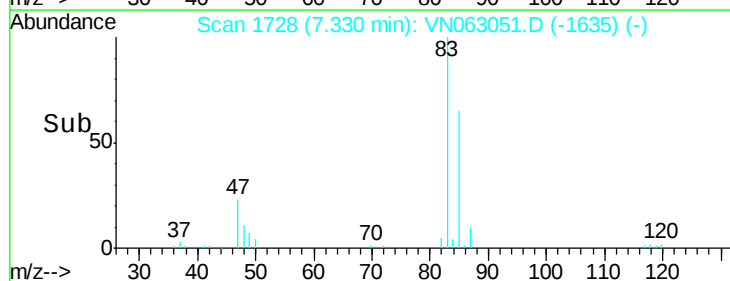
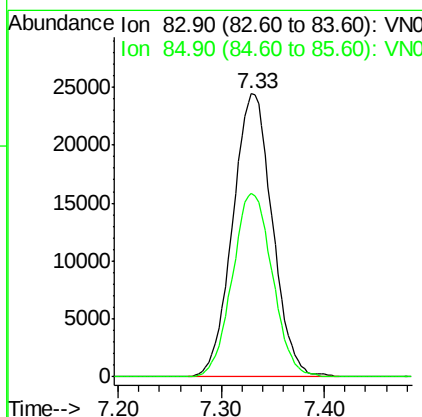
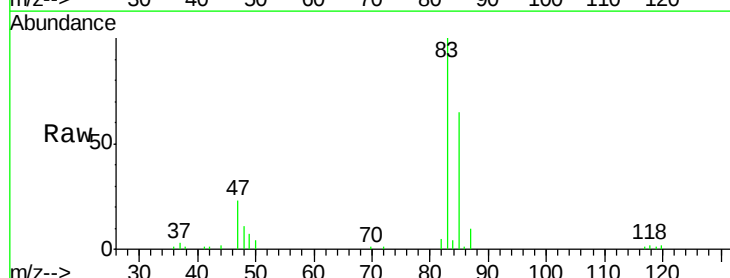
Manual Integrations
APPROVED

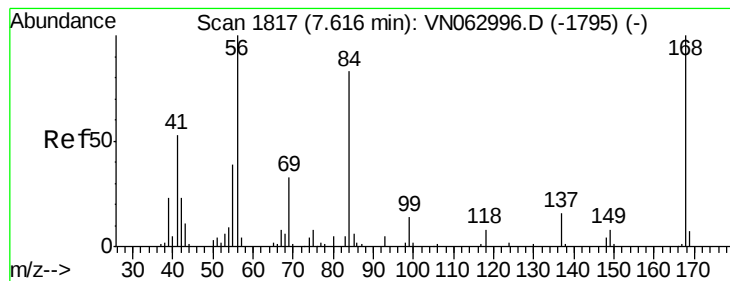
MMDadoda
8/21/2020 9:20:43 AM



#30
Chloroform
Concen: 19.837 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





#31

Cyclohexane

Concen: 19.465 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

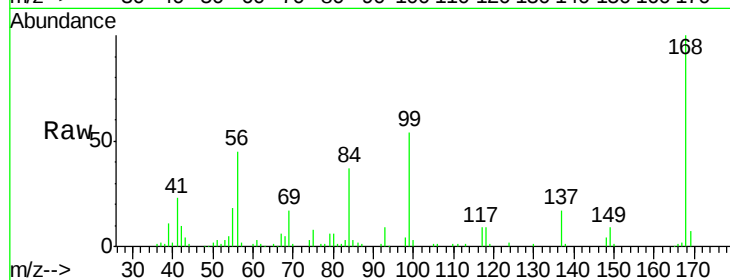
ClientSampleId :

VN0820WBSD02

Tot Ion:	56	Resp:	58606
Ion Ratio	Lower	Upper	
56	100		
69	38.1	26.6	40.0
84	82.0	66.4	99.6

Manual Integrations
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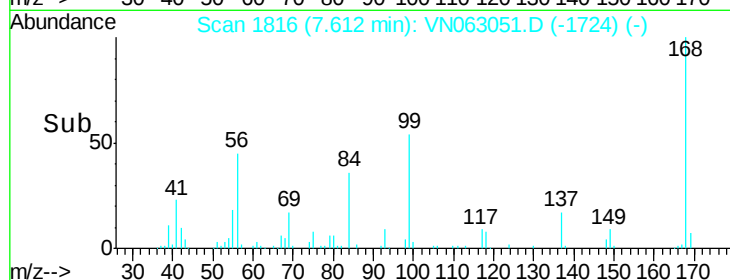


Abundance Ion 56.00 (55.70 to 56.70): VN062996.D (-1795) (-)

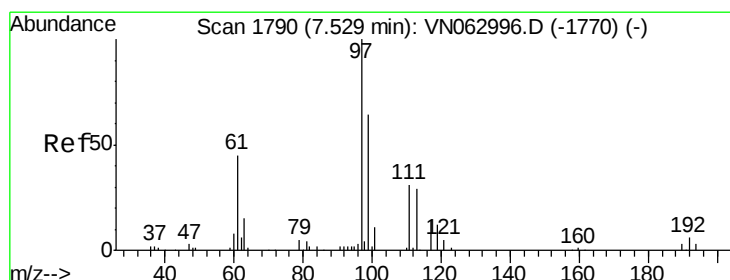
Ion 69.00 (68.70 to 69.70): VN062996.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN062996.D (-1795) (-)

Time-->



Time-->



#32

1,1,1-Trichloroethane

Concen: 19.411 ug/l

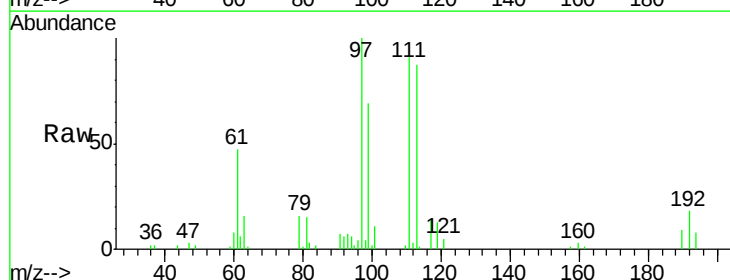
RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Tgt Ion:	97	Resp:	52210
Ion Ratio	Lower	Upper	
97	100		
99	65.9	52.0	78.0
61	45.2	36.2	54.4

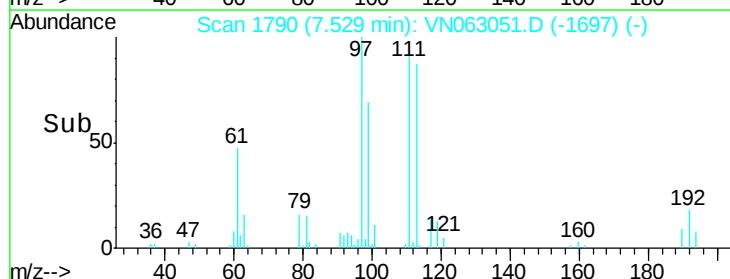


Abundance Ion 96.90 (96.60 to 97.60): VN062996.D (-1770) (-)

Ion 98.90 (98.60 to 99.60): VN062996.D (-1770) (-)

Ion 60.90 (60.60 to 61.60): VN062996.D (-1770) (-)

Time-->



Time-->



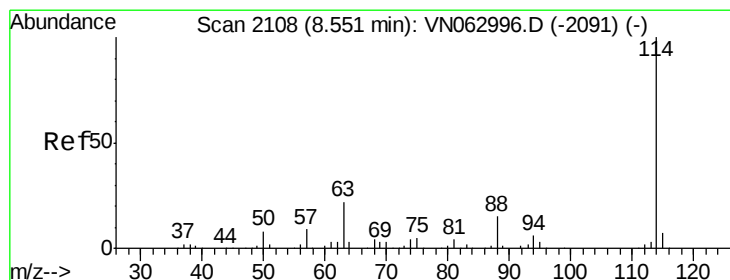
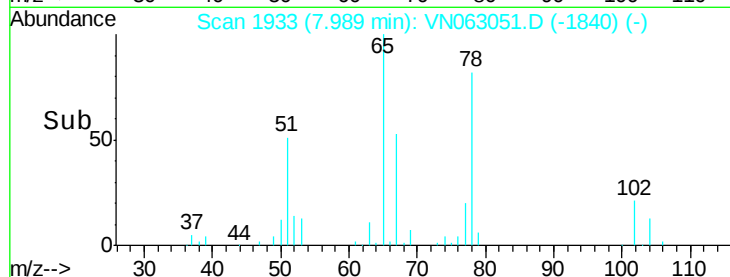
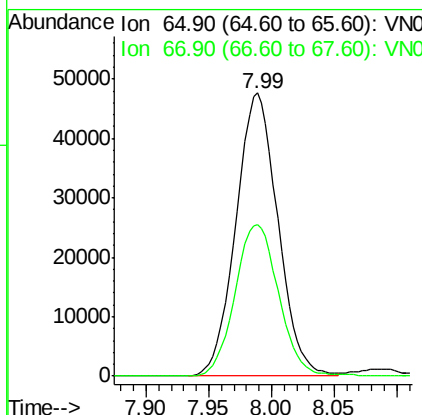
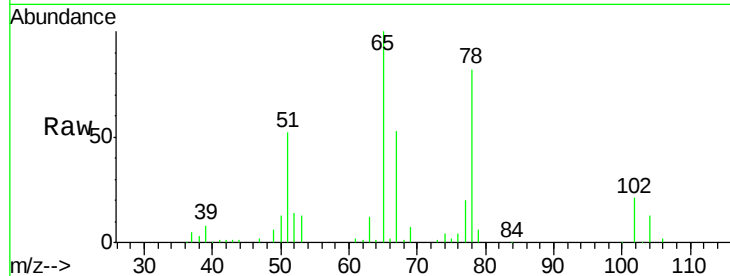
#33
 1,2-Dichloroethane-d4
 Concen: 54.286 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	110900		
67	55.5	0.0	112.0	

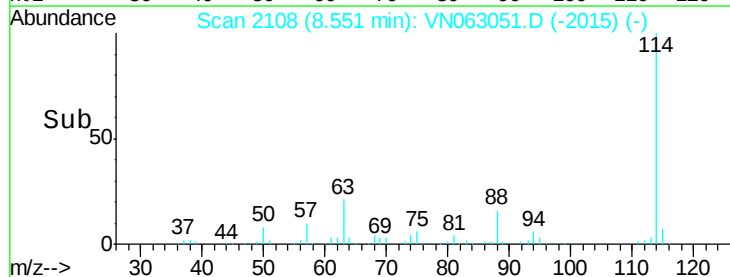
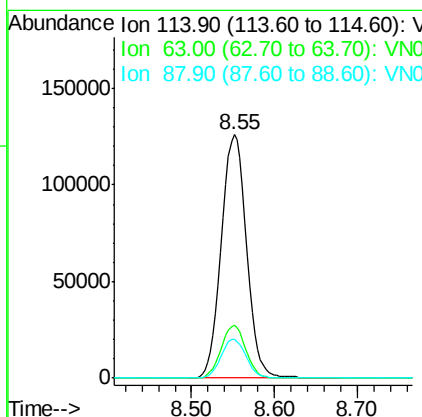
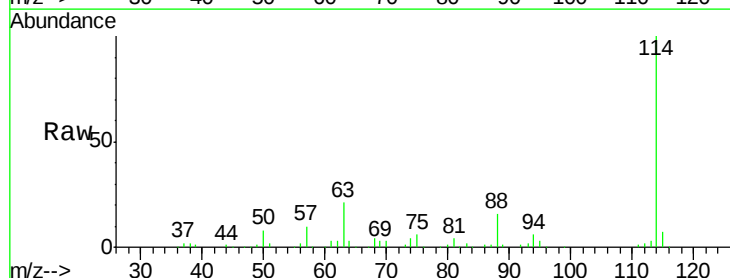
Manual Integrations
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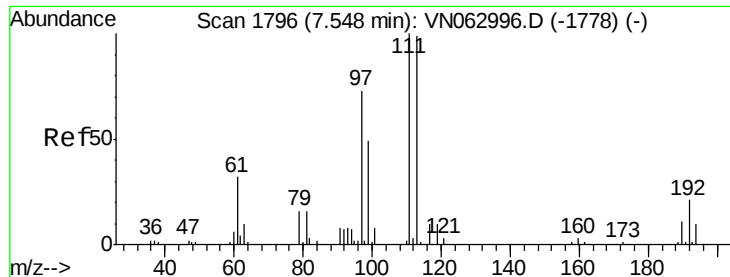
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	267420		
63	21.5	0.0	43.2	
88	15.8	0.0	30.6	





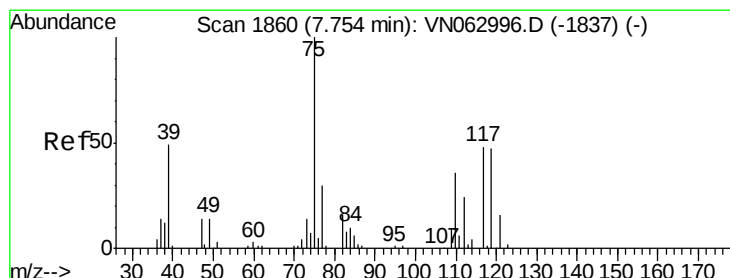
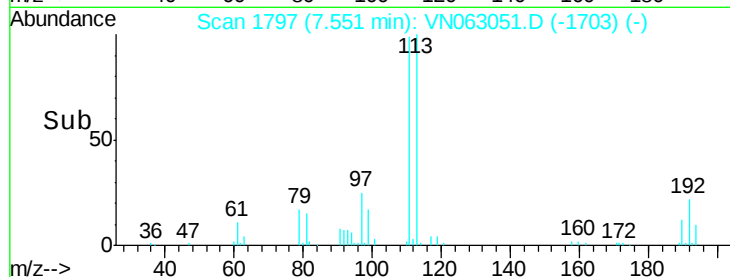
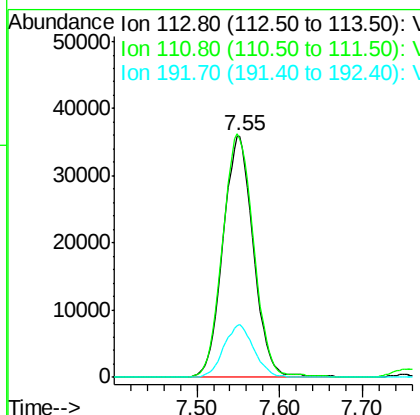
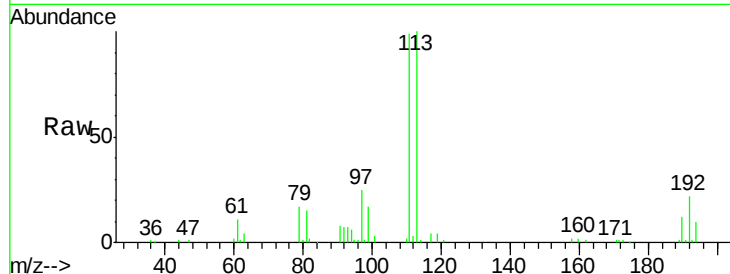
#35
 Dibromofluoromethane
 Concen: 52.558 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.7	122.5
192	21.5	17.5	26.3

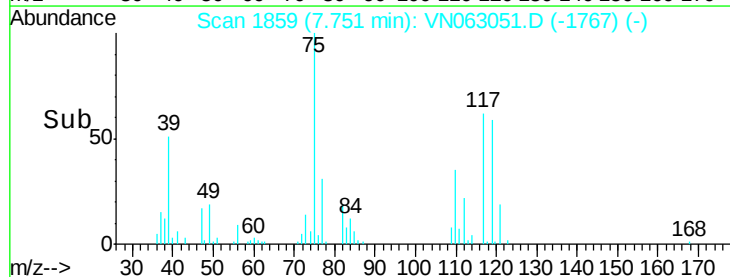
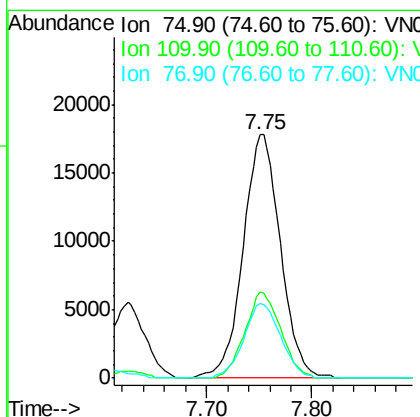
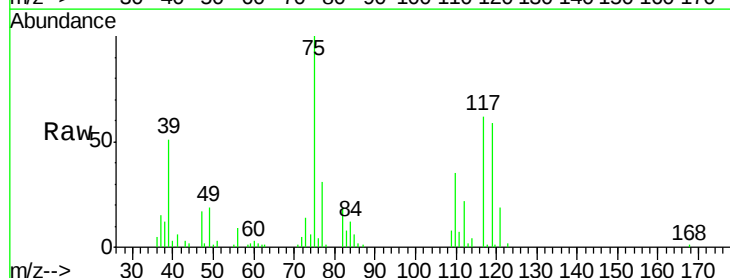
Manual Integrations
 APPROVED

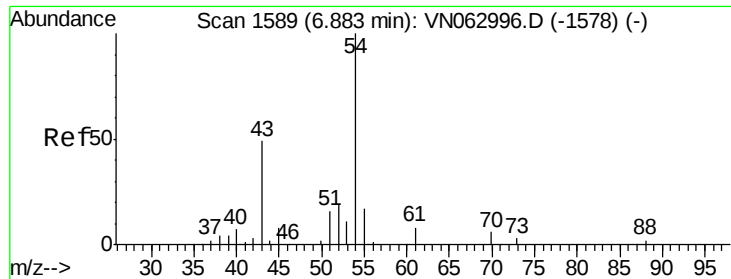
MMDadoda
 8/21/2020 9:20:43 AM



#36
 1,1-Dichloropropene
 Concen: 18.567 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.5	52.6
77	30.4	24.2	36.4





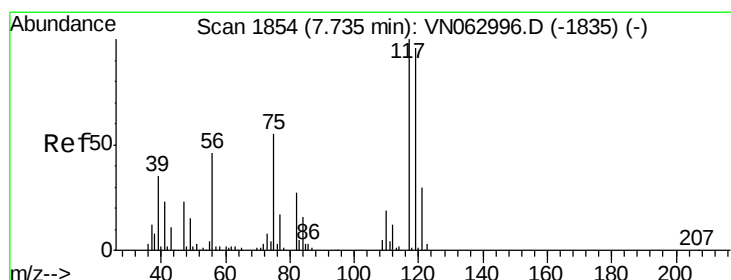
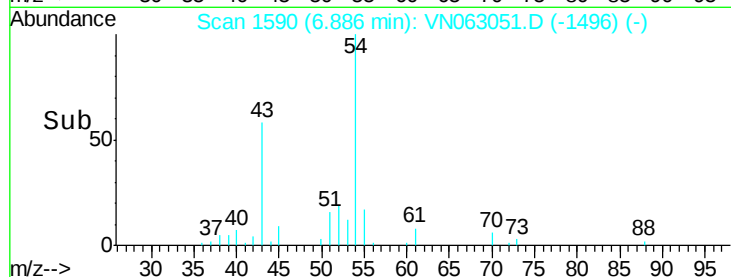
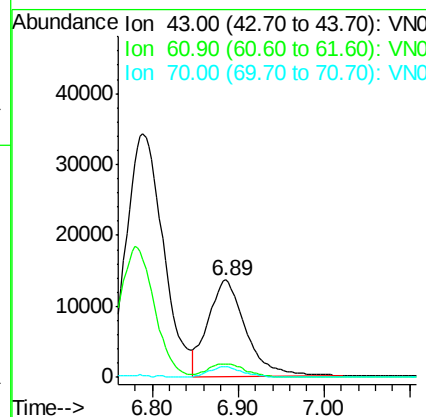
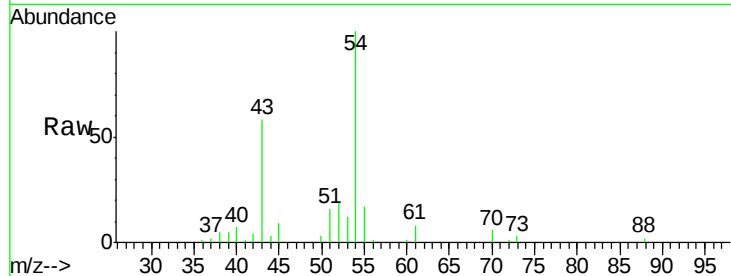
#37
Ethyl Acetate
Concen: 18.804 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD02

Tot Ion	43	61	70	Ratio	Lower	Upper
41524	100	14.3	9.7		11.8	17.8
					8.2	12.2

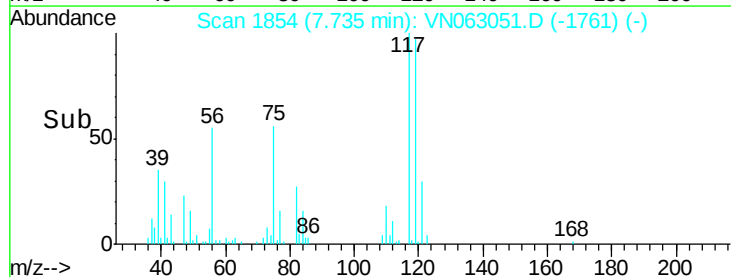
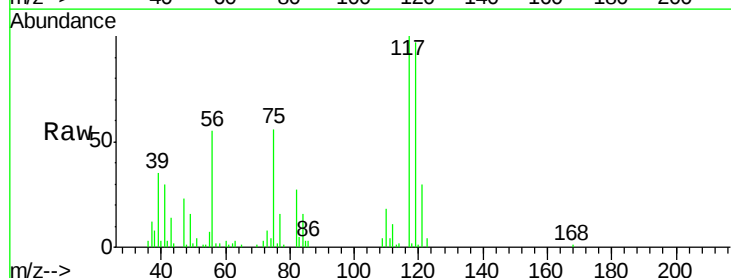
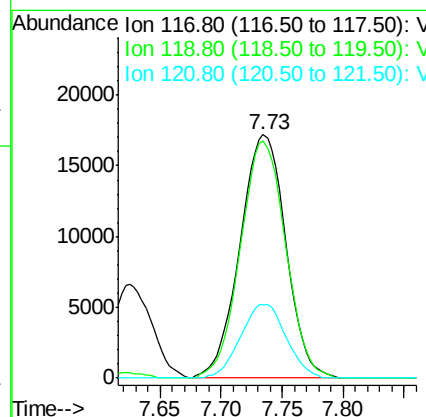
Manual Integrations
APPROVED

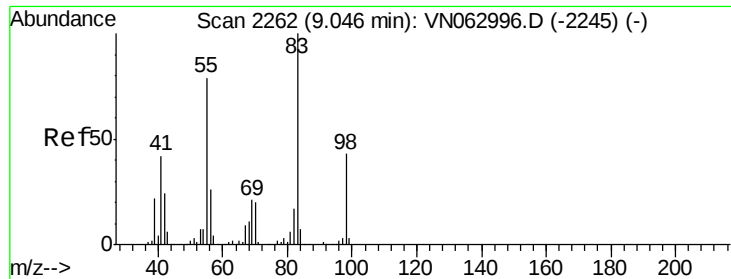
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.836 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	117	119	121	Ratio	Lower	Upper
44815	100	97.2	30.3		76.2	114.4
					24.2	36.2





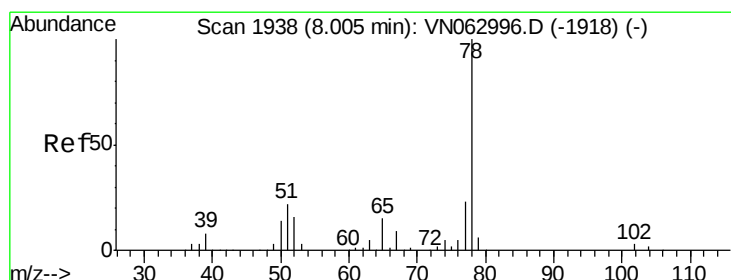
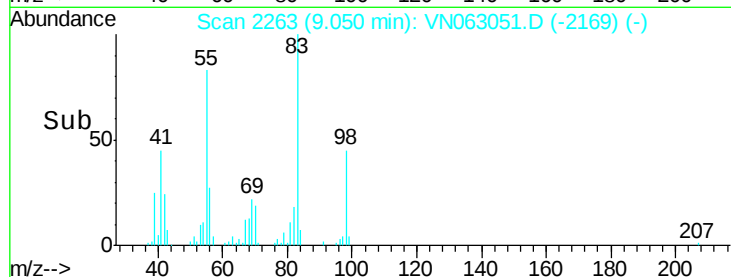
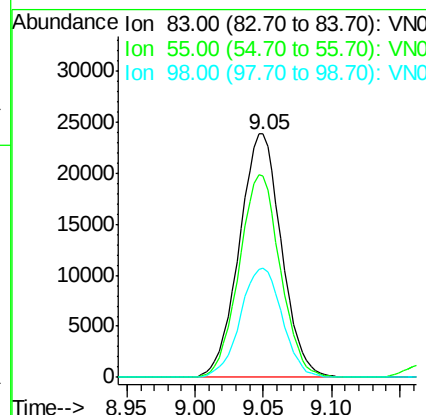
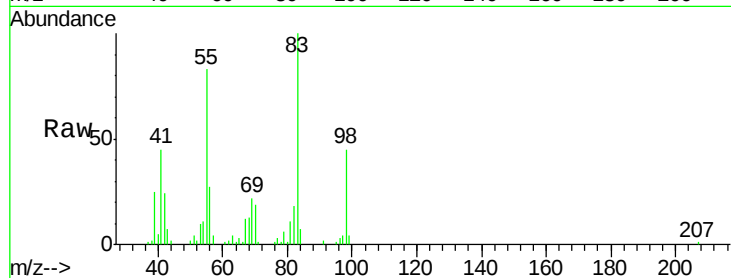
#39
Methvlcvclohexane
Concen: 17.123 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	63.3	94.9
98	45.0	34.2	51.4

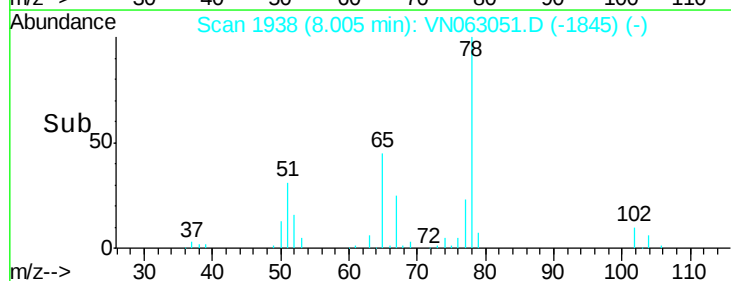
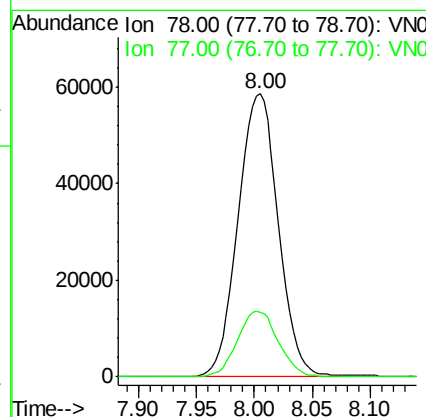
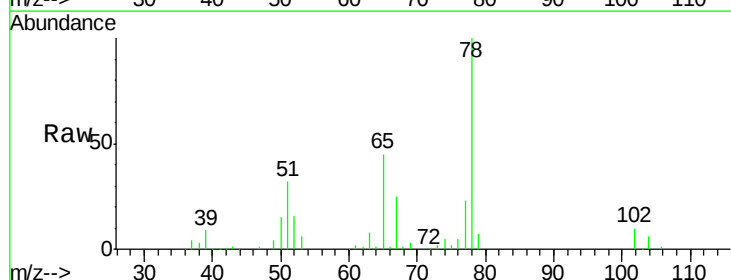
Manual Integrations
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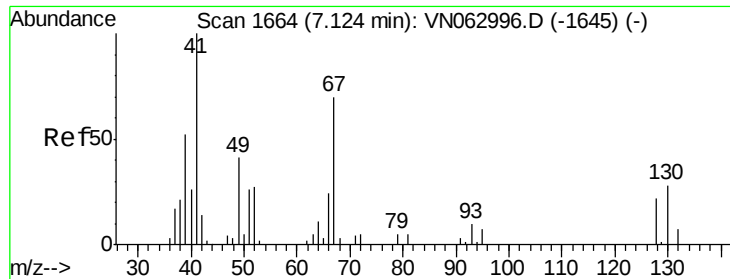
MMDadoda
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#40
Benzene
Concen: 18.886 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2





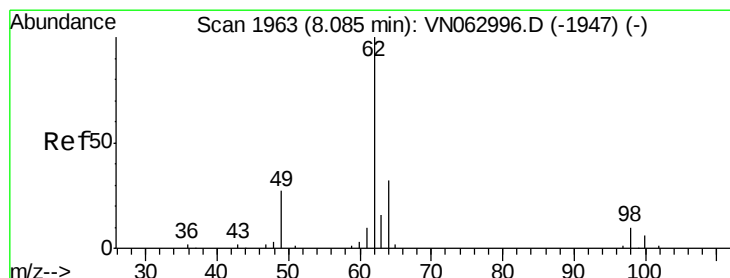
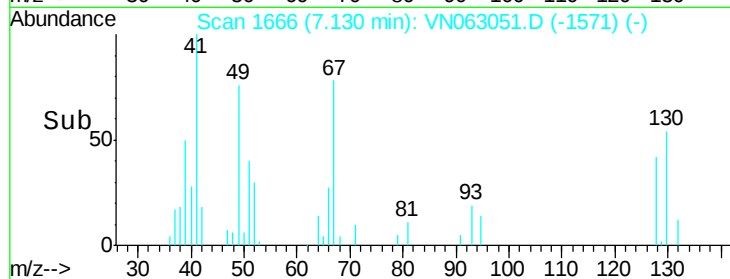
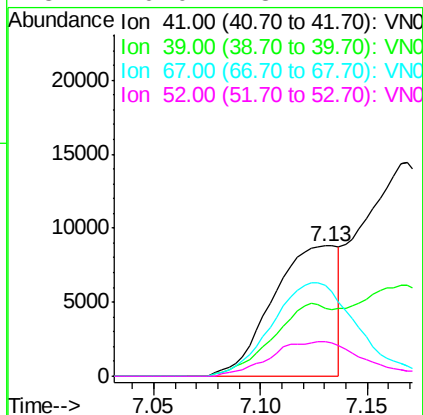
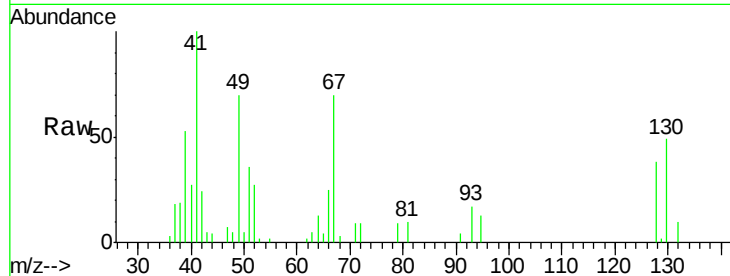
#41
Methacrylonitrile
Concen: 17.904 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.6	62.4#
67	0.0	71.8	107.8#
52	0.0	28.2	42.4#

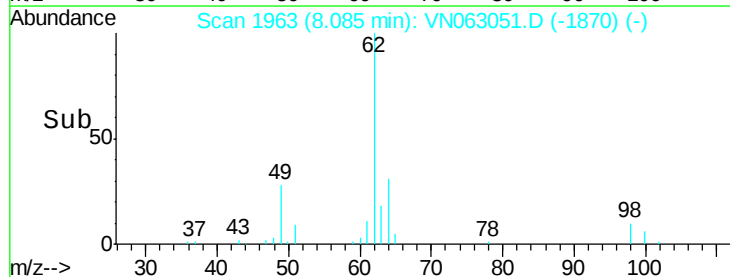
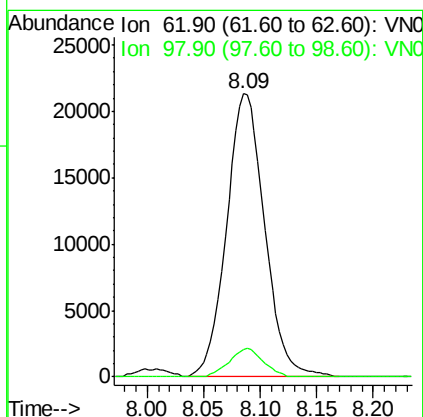
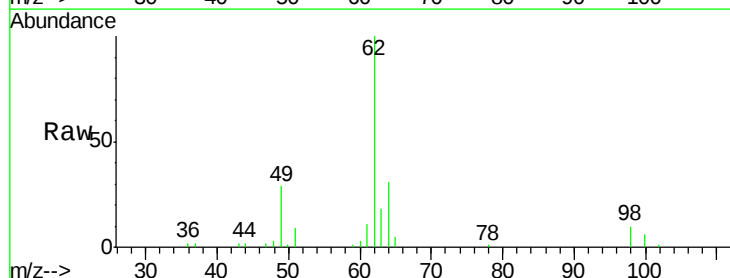
Manual Integrations
APPROVED

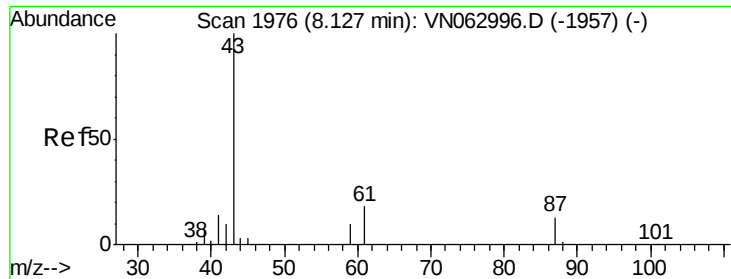
MMDadoda
8/21/2020 9:20:43 AM



#42
1,2-Dichloroethane
Concen: 19.930 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.4





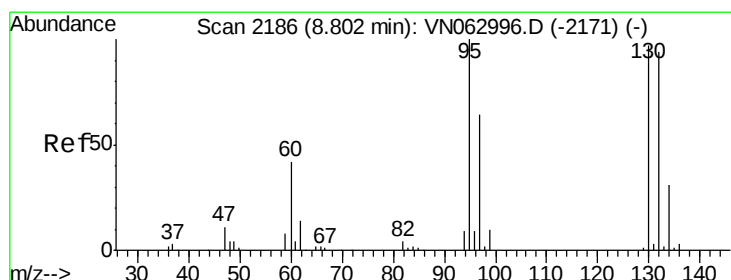
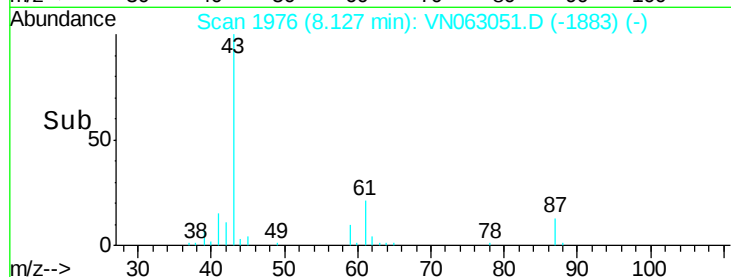
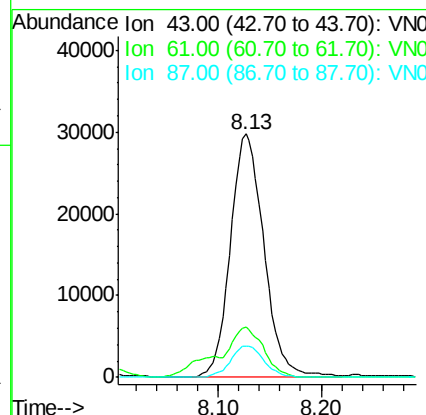
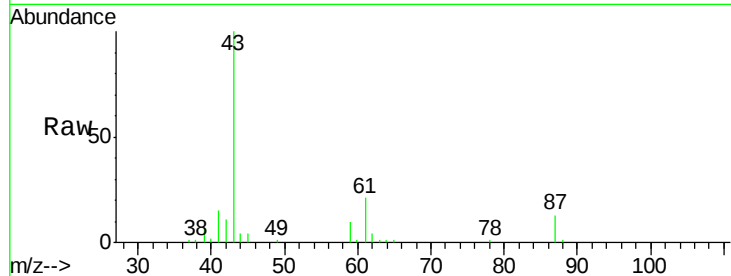
#43
Isopropyl Acetate
Concen: 18.501 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	22.6	33.8#
87	12.6	10.5	15.7

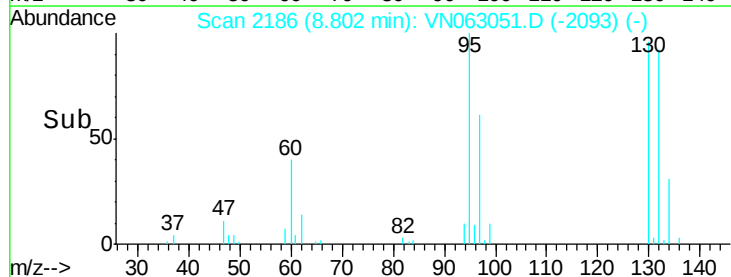
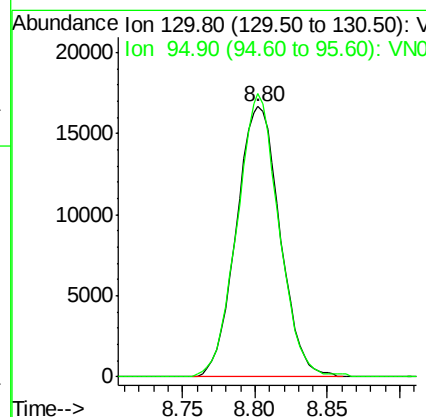
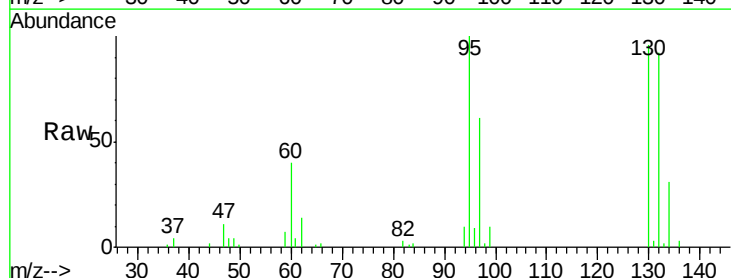
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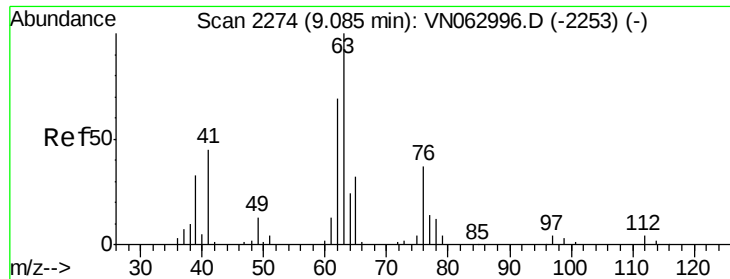
MMDadoda
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#44
Trichloroethene
Concen: 18.784 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	205.6





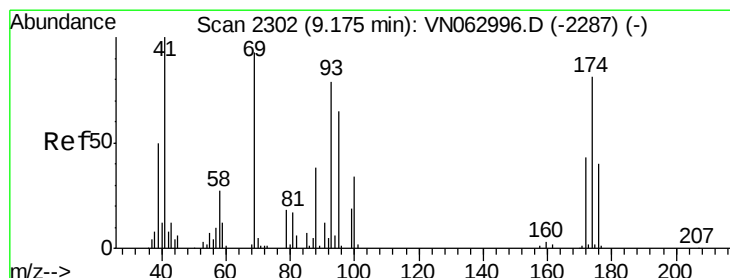
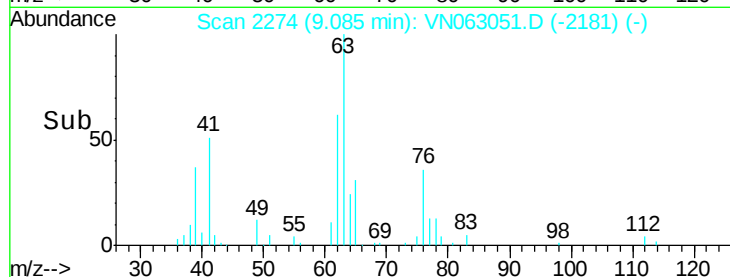
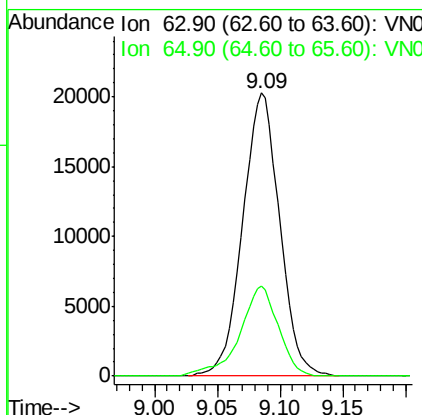
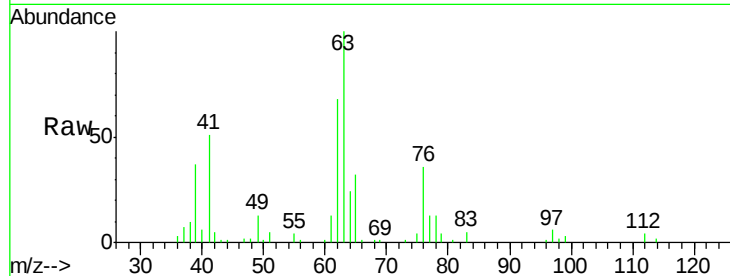
#45
 1,2-Dichloropropane
 Concen: 19.275 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.6	38.4

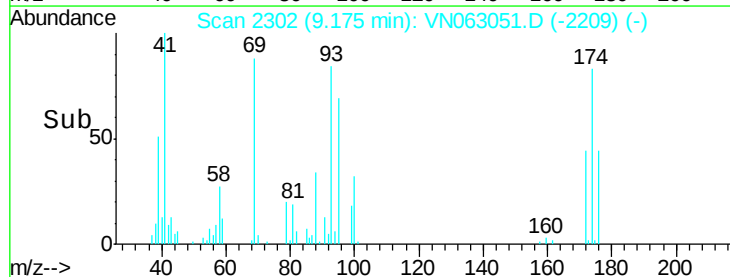
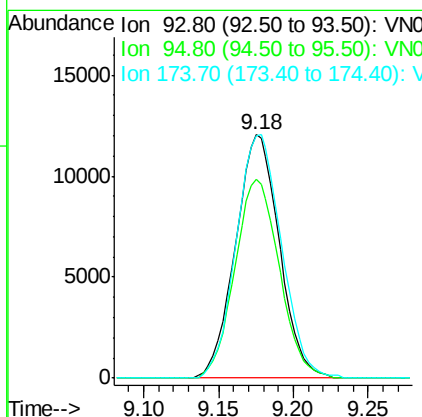
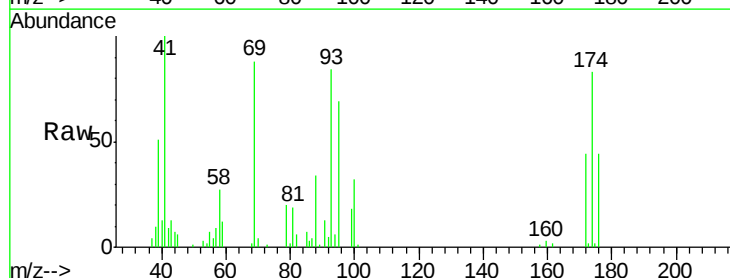
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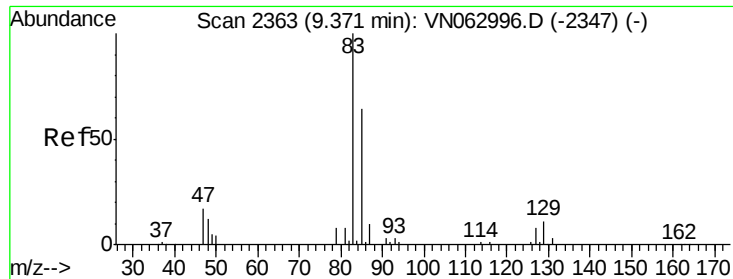
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#46
 Dibromomethane
 Concen: 19.680 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.2	99.4
174	103.1	84.6	127.0





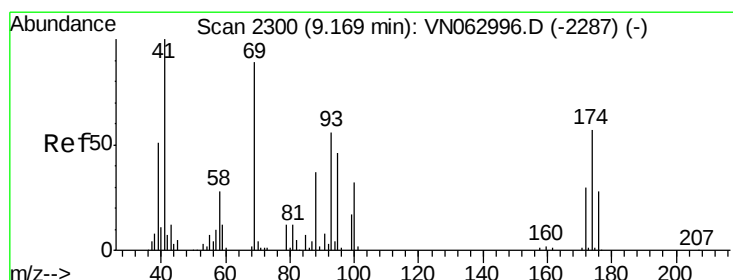
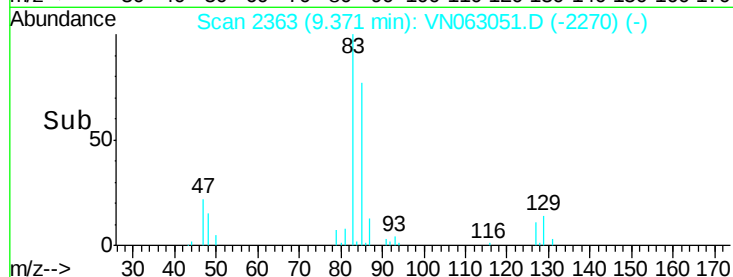
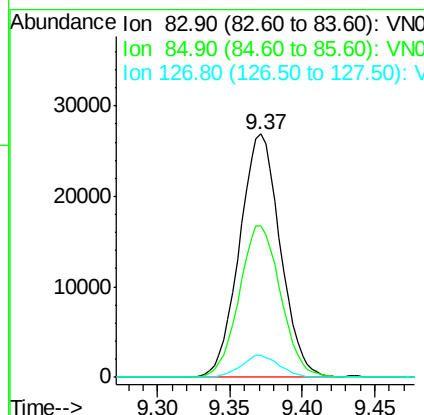
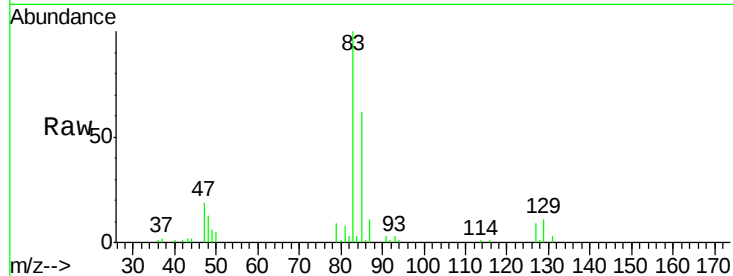
#47
Bromodichloromethane
Concen: 19.275 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	83	Resp	52693
Ion Ratio	100		
85	62.2	51.1	76.7
127	8.9	6.6	9.8

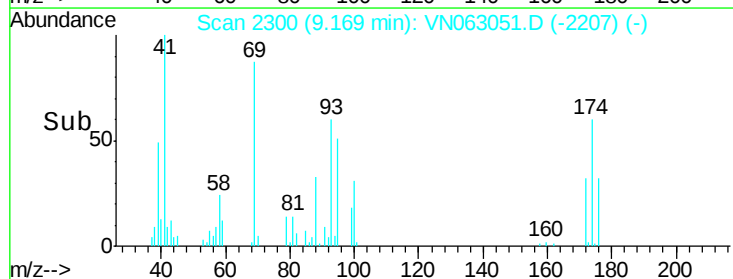
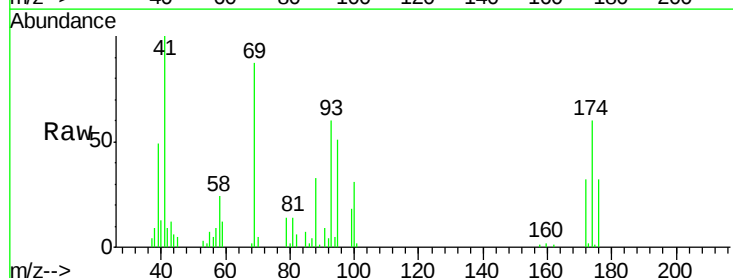
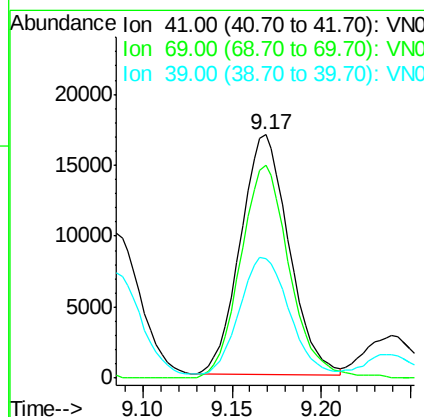
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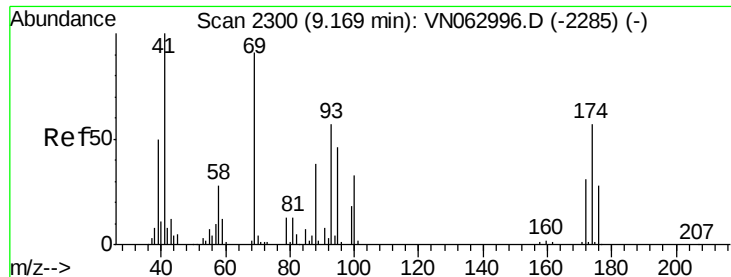
MMDadoda
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#48
Methyl methacrylate
Concen: 18.575 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	41	Resp	32152
Ion Ratio	100		
69	89.7	74.2	111.4
39	53.5	42.5	63.7





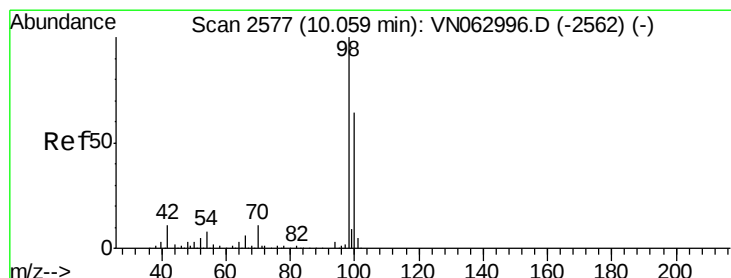
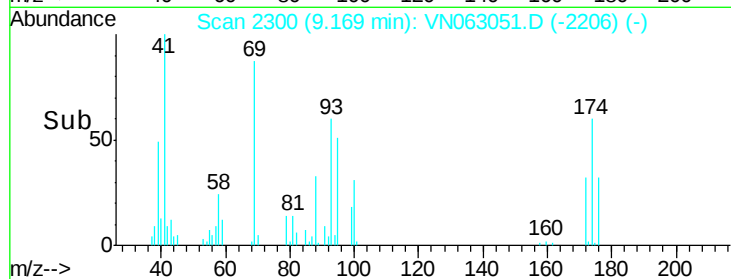
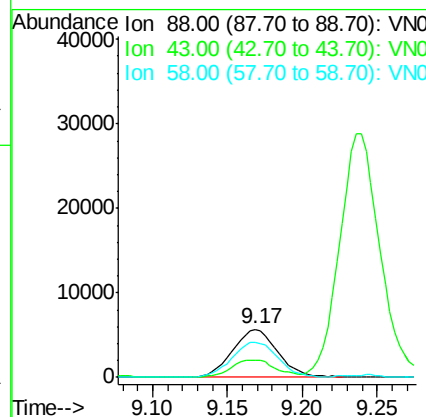
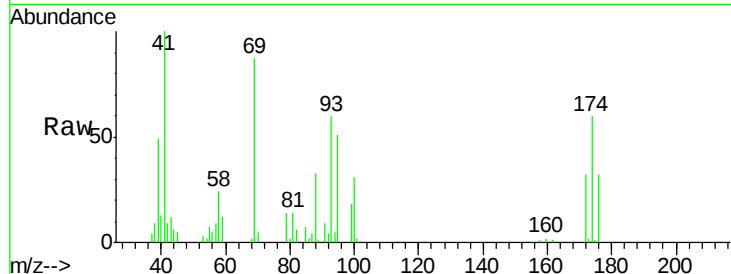
#49
 1,4-Dioxane
 Concen: 322.029 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	88	Resp	11865
Ion	Ratio	Lower	Upper
88	100		
43	35.6	25.2	37.8
58	74.6	56.7	85.1

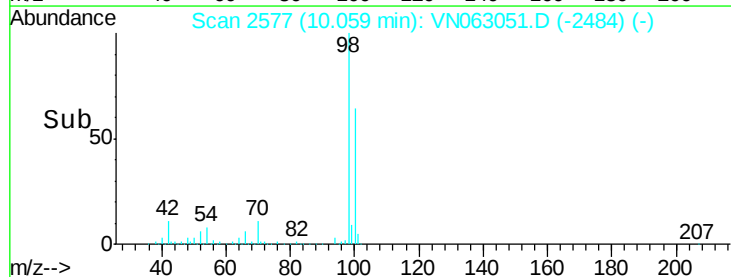
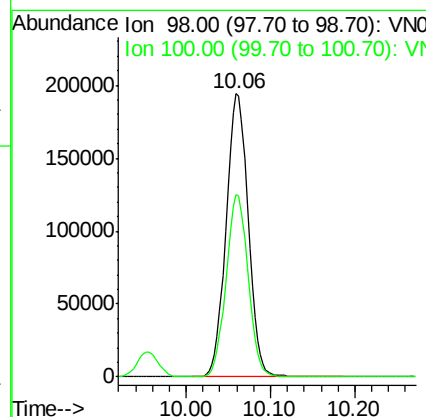
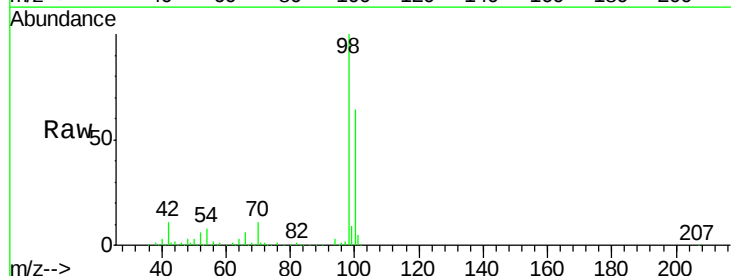
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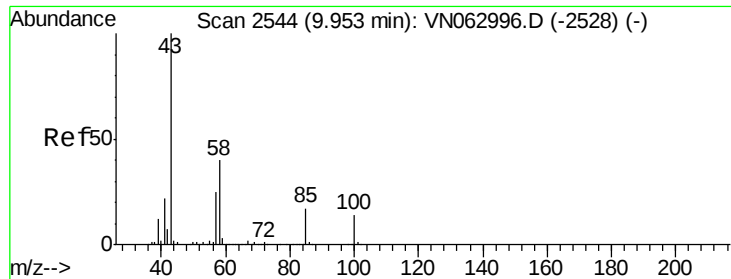
MMDadoda
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#50
 Toluene-d8
 Concen: 52.981 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	98	Resp	354605
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 95.079 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

ClientSampleID :

VN0820WBSD02

Tot Ion: 43 Resp: 219858

Ion Ratio Lower Upper

43 100

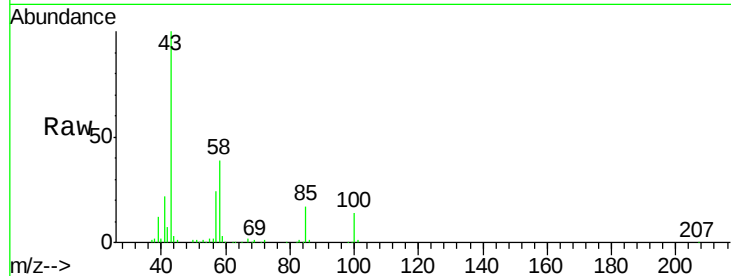
58 38.9 32.2 48.2

Manual Integrations

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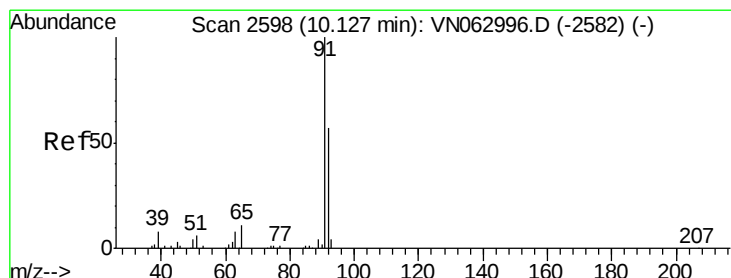
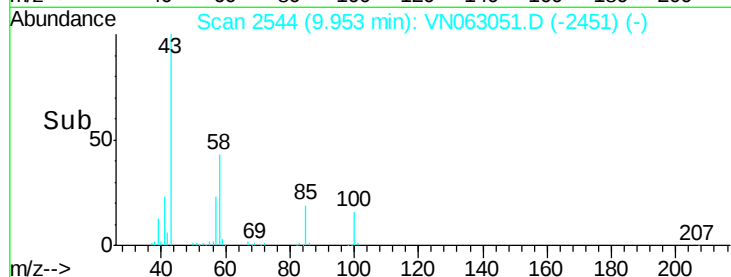
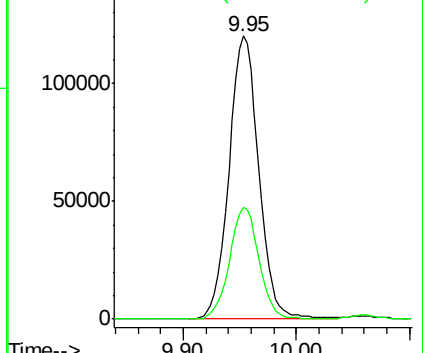
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)



#52

Toluene

Concen: 19.493 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063051.D

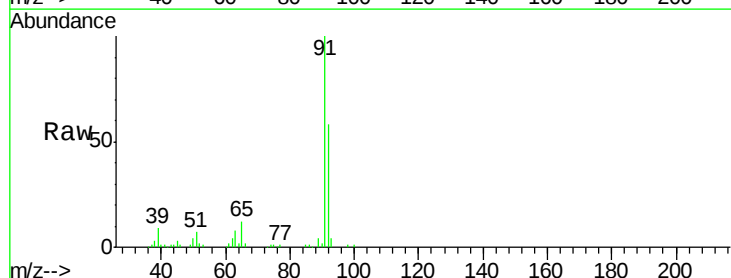
Acq: 20 Aug 2020 22:26

Tgt Ion: 92 Resp: 87891

Ion Ratio Lower Upper

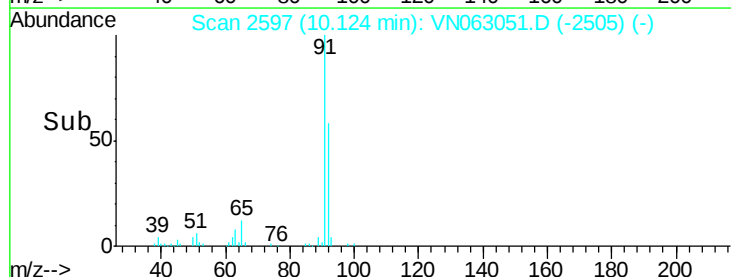
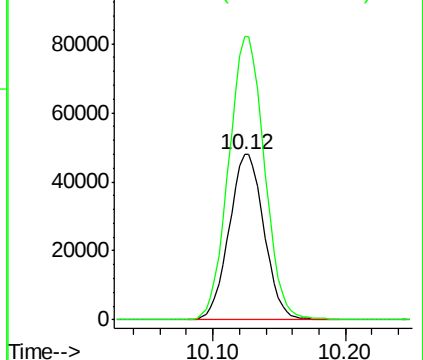
92 100

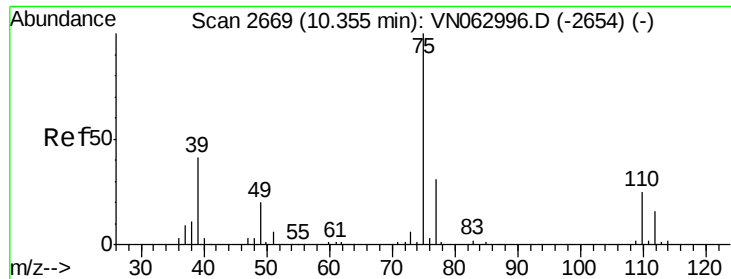
91 175.1 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062996.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062996.D (-2582) (-)





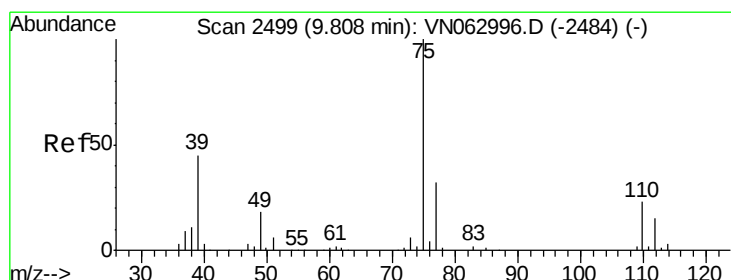
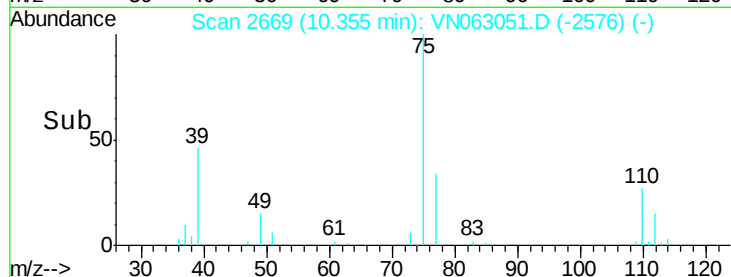
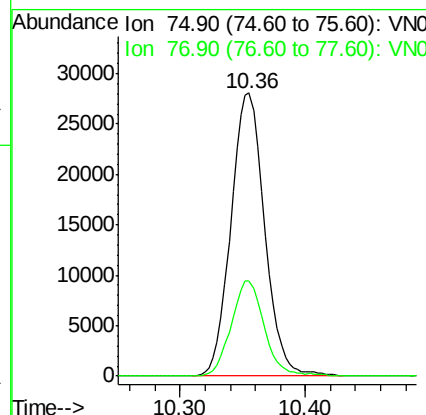
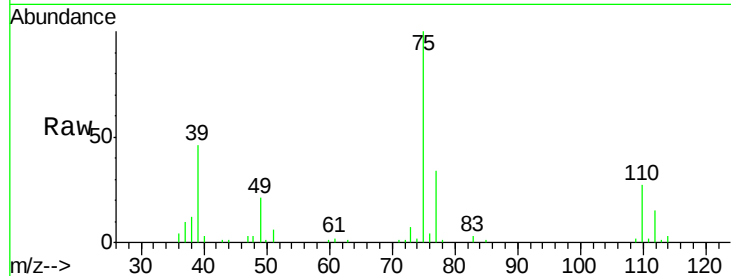
#53
 t-1,3-Dichloropropene
 Concen: 18.504 ug/l
 RT: 10.36 min Scan# 2669
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.6	24.6	37.0

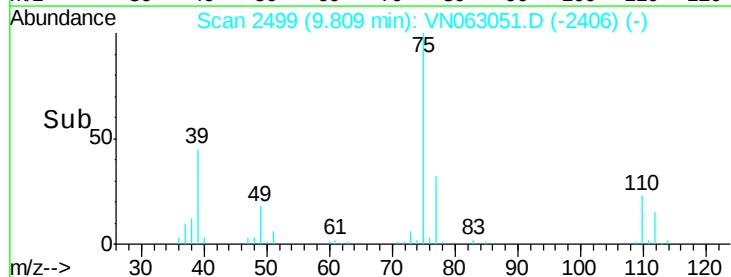
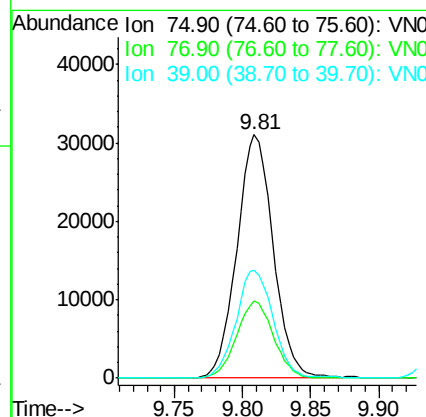
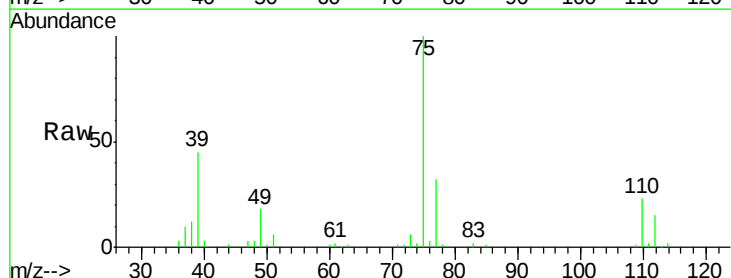
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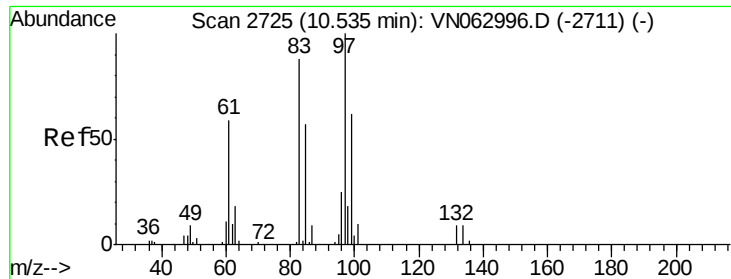
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#54
 cis-1,3-Dichloropropene
 Concen: 18.532 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2
39	44.5	35.7	53.5





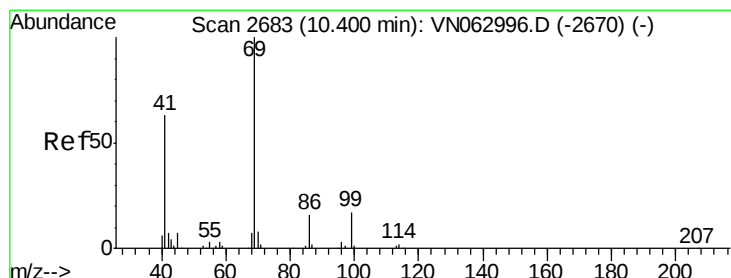
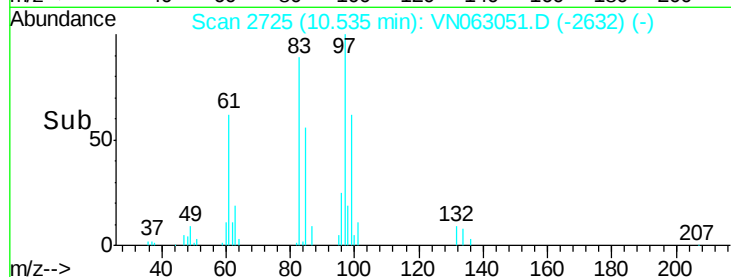
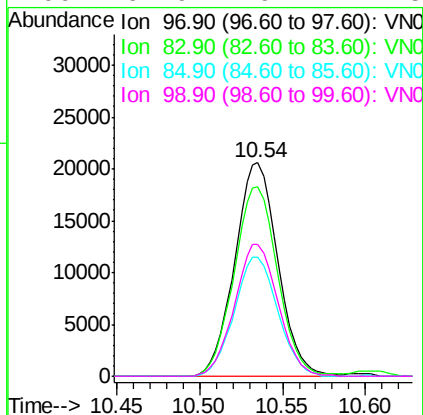
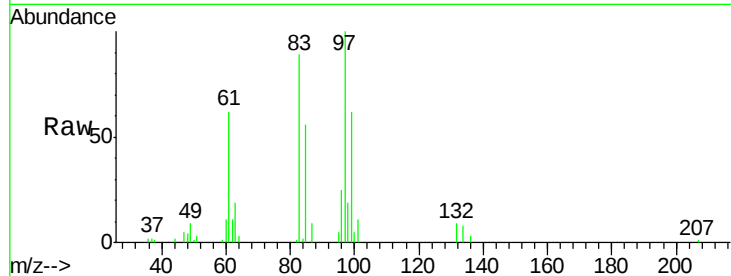
#55
 1,1,2-Trichloroethane
 Concen: 19.292 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		37194		
83	88.7	70.5	105.7		
85	55.7	45.8	68.6		
99	61.9	49.7	74.5		

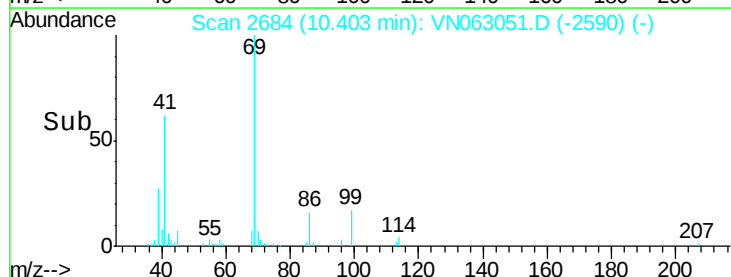
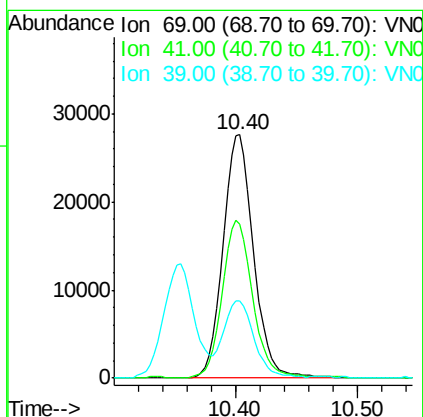
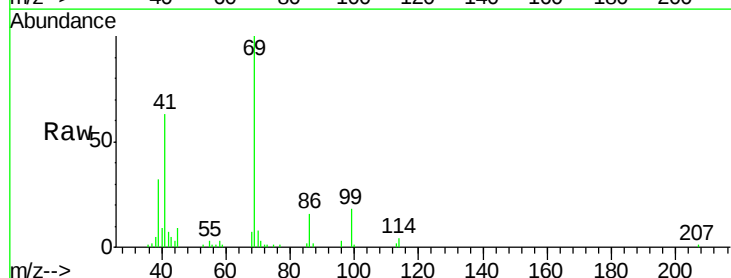
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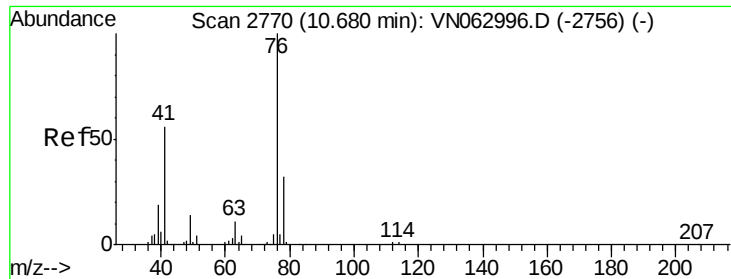
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 8/21/2020 9:20:43 AM



#56
 Ethyl methacrylate
 Concen: 17.469 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		48524		
41	65.1	50.2	75.2		
39	32.0	24.2	36.4		





#57

1,3-Dichloropropane

Concen: 18.941 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 76 Resp: 60638

Ion Ratio Lower Upper

76 100

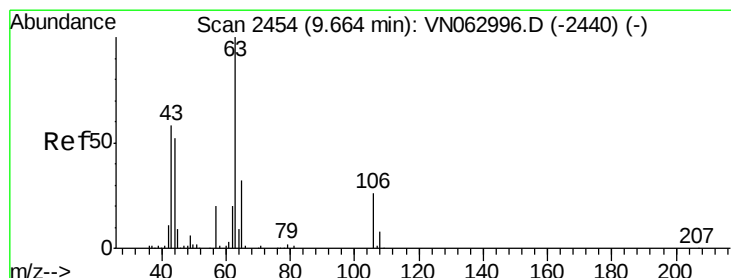
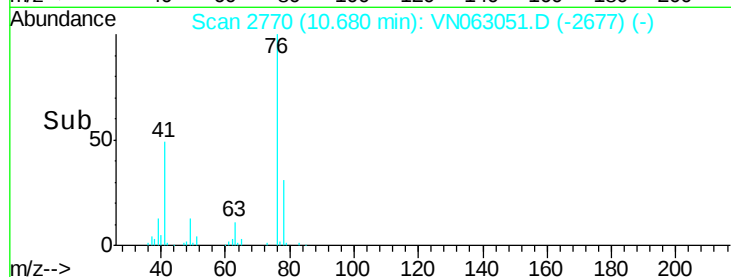
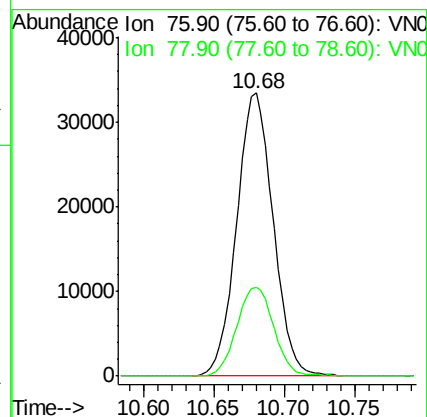
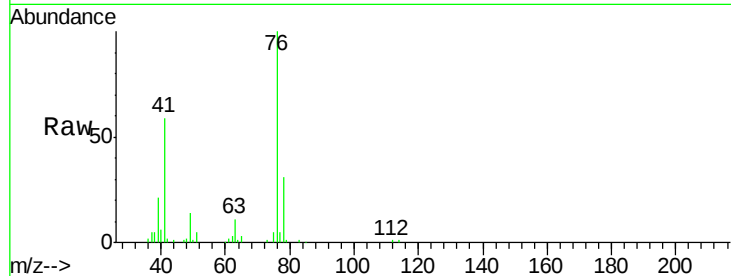
78 31.8 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 74.344 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063051.D

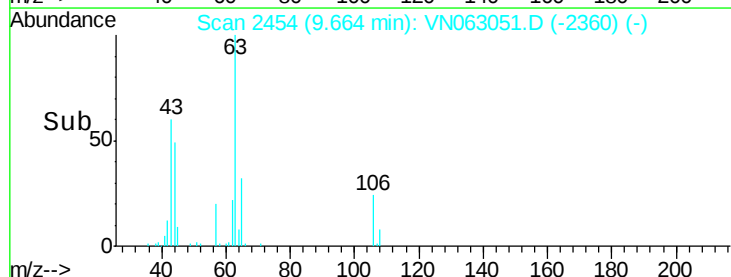
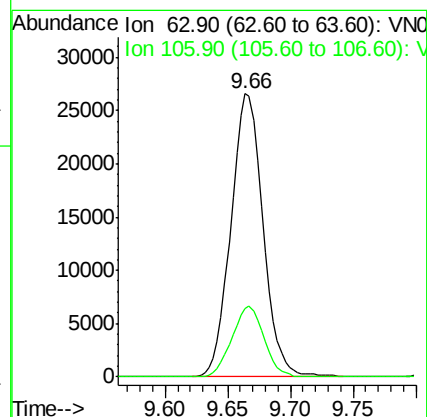
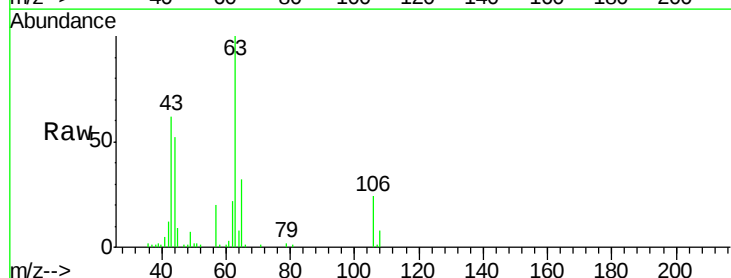
Acq: 20 Aug 2020 22:26

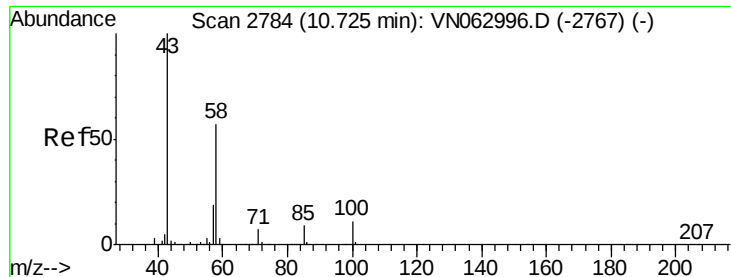
Tgt Ion: 63 Resp: 47295

Ion Ratio Lower Upper

63 100

106 24.9 20.7 31.1





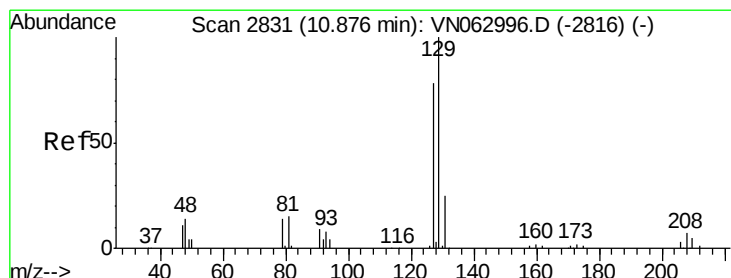
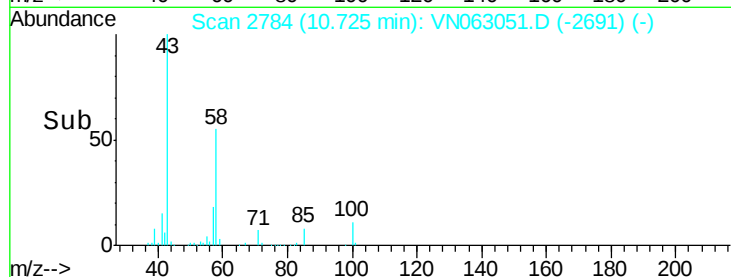
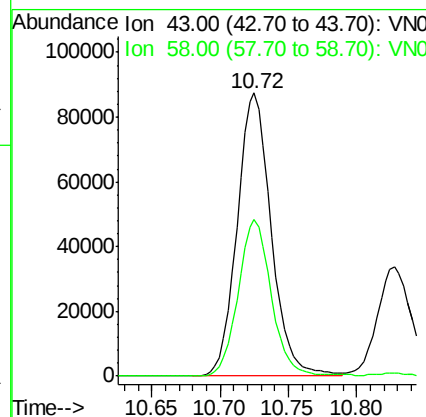
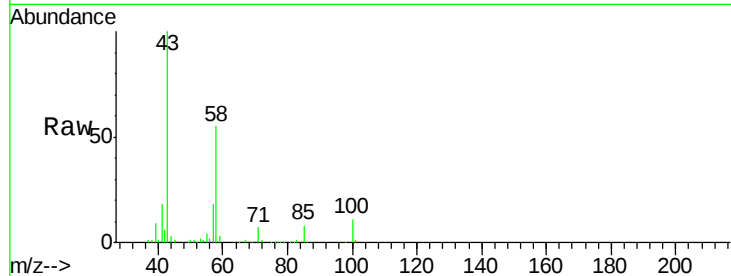
#59
2-Hexanone
Concen: 93.977 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	28.1	84.3

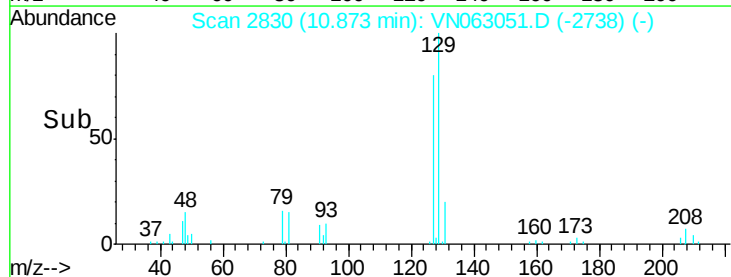
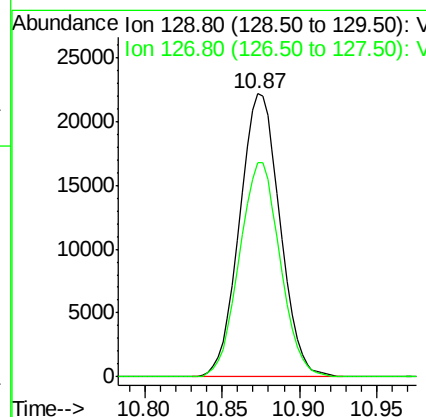
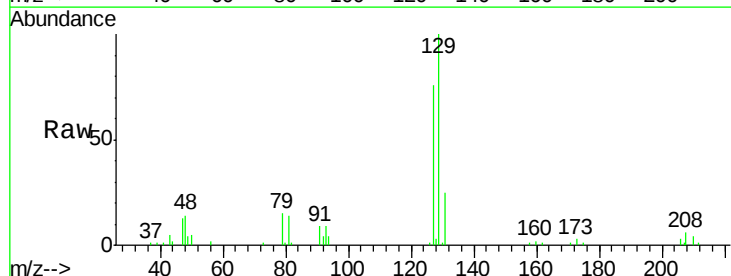
Manual Integrations
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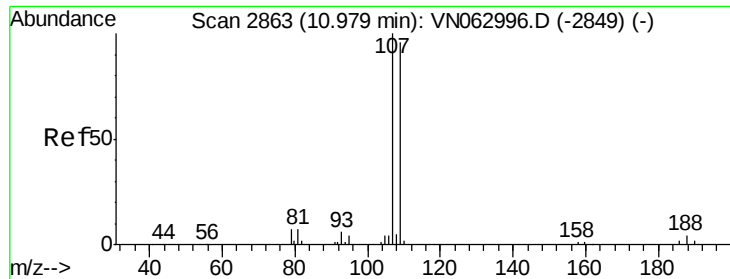
MMDadoda
8/21/2020 9:20:43 AM



#60
Dibromochloromethane
Concen: 18.850 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.4	115.2





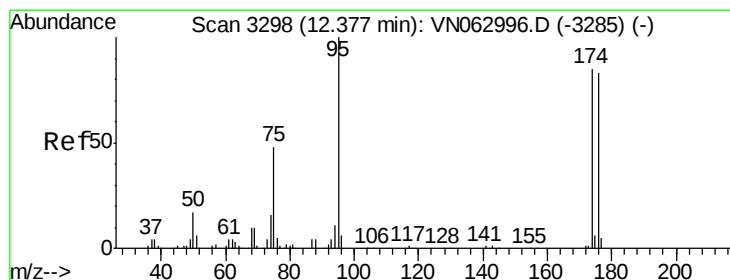
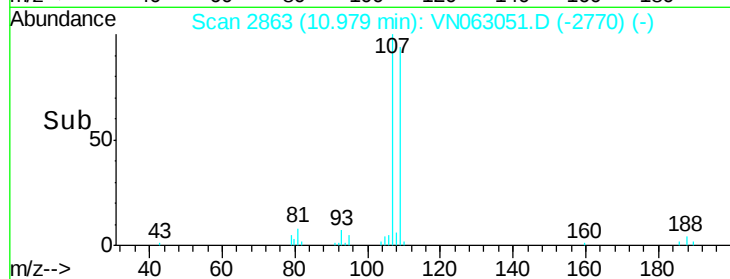
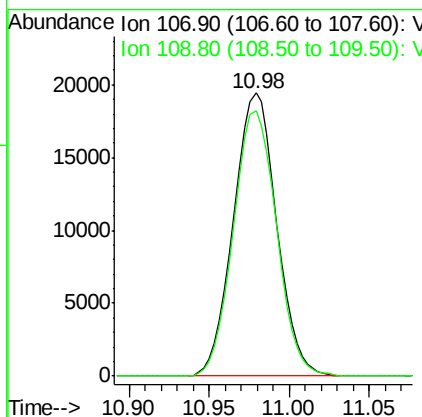
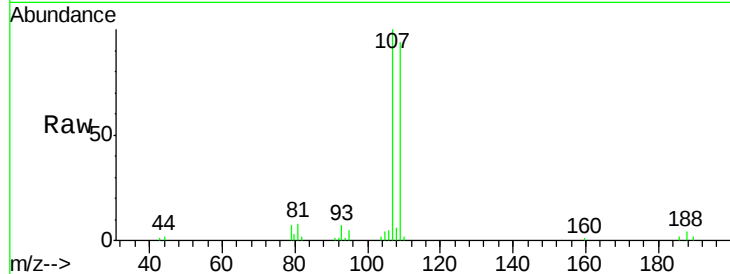
#61
 1,2-Dibromoethane
 Concen: 19.297 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.7	113.5

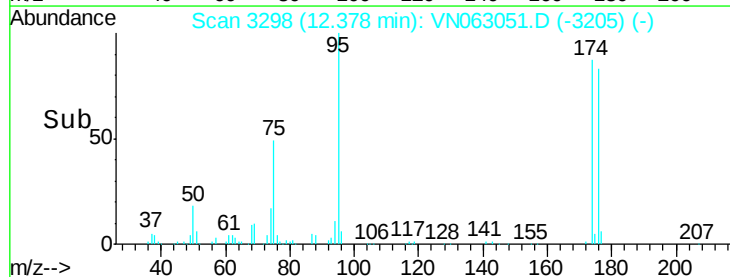
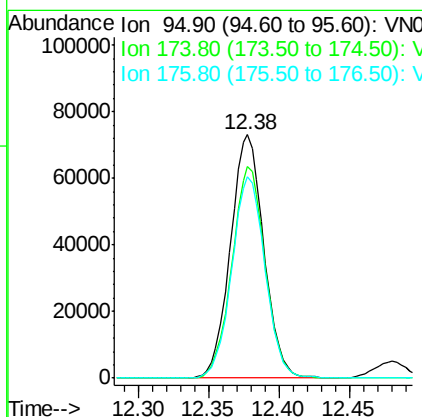
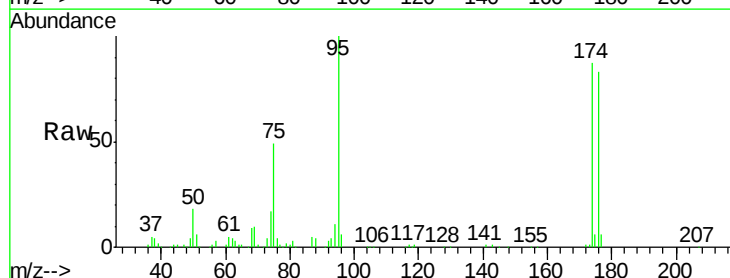
Manual Integrations
 APPROVED

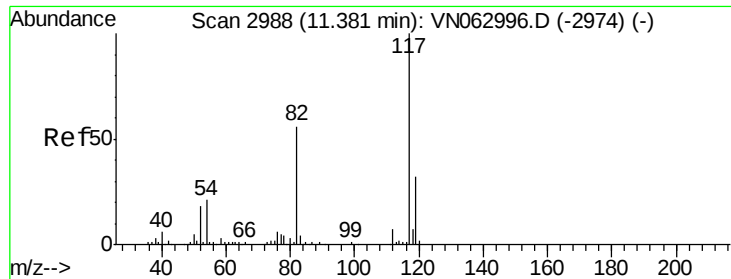
MMDadoda
 8/21/2020 9:20:43 AM



#62
 4-Bromofluorobenzene
 Concen: 51.266 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	170.8
176	82.7	0.0	164.8





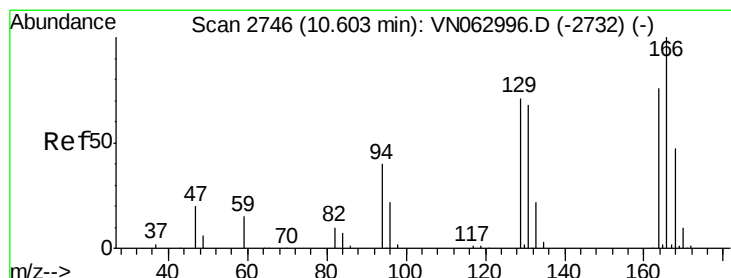
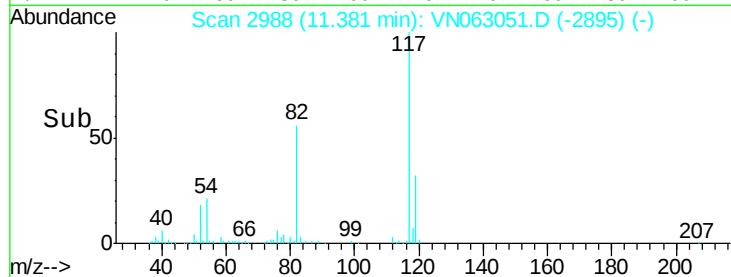
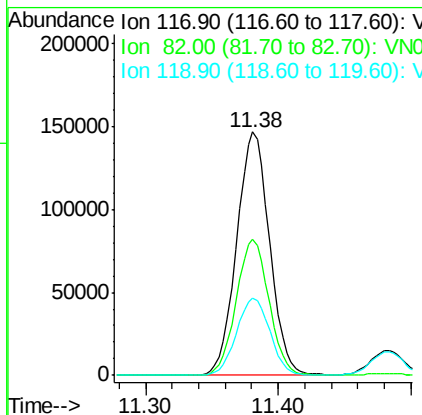
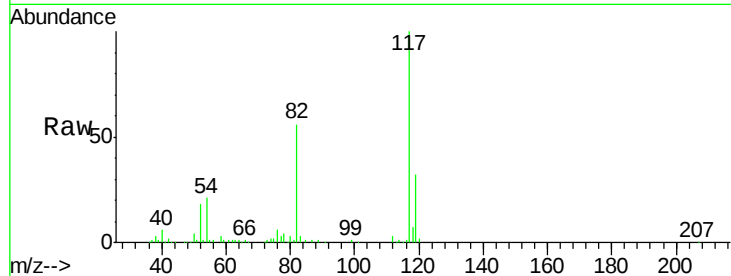
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	253330		
82	55.7	44.5	66.7	
119	31.6	25.5	38.3	

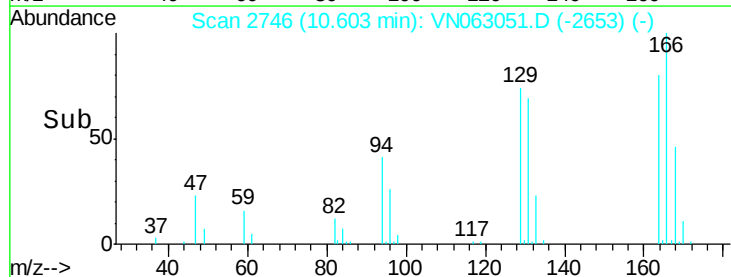
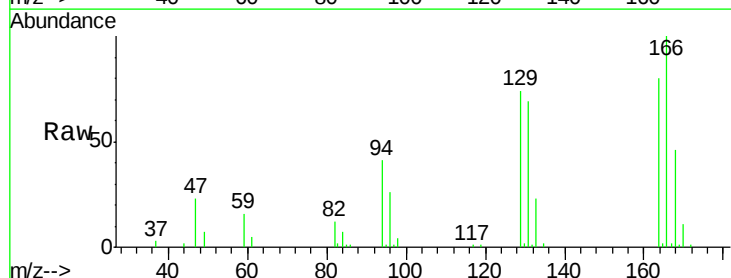
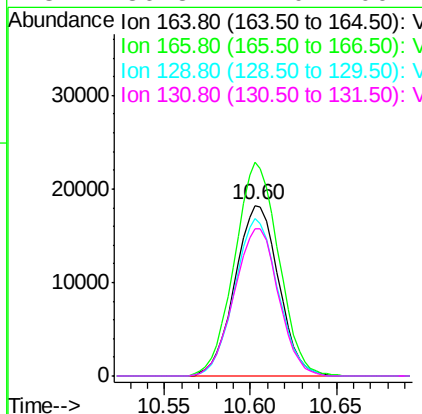
Manual Integrations
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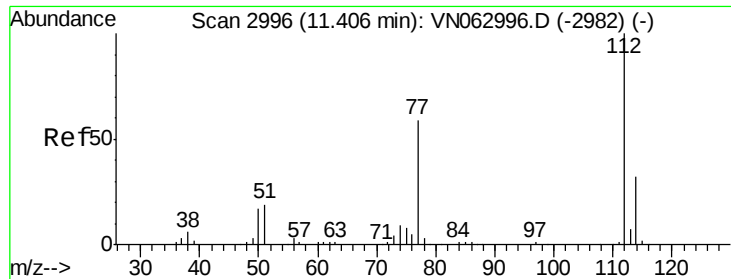
MMDadoda
8/21/2020 9:20:43 AM



#64
Tetrachloroethene
Concen: 19.357 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	32234		
166	125.4	105.0	157.6	
129	92.3	74.7	112.1	
131	86.8	71.0	106.4	





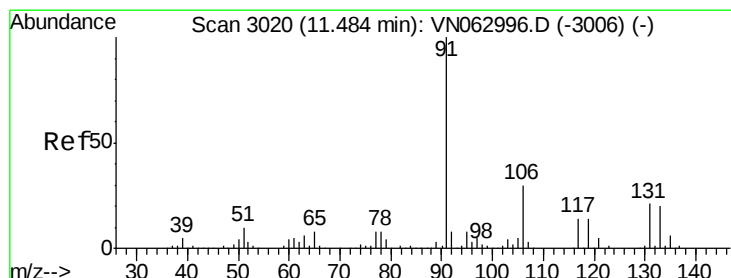
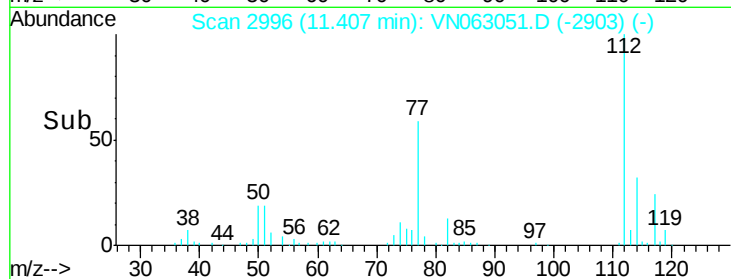
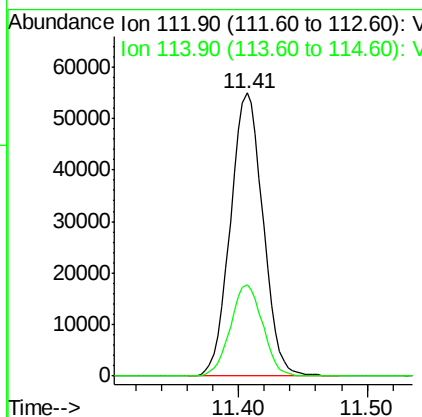
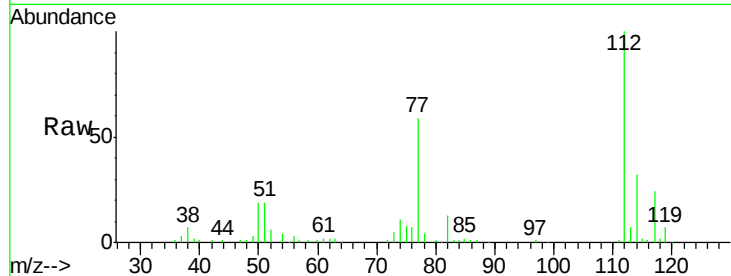
#65
Chlorobenzene
Concen: 18.959 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion:112 Resp: 96460
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

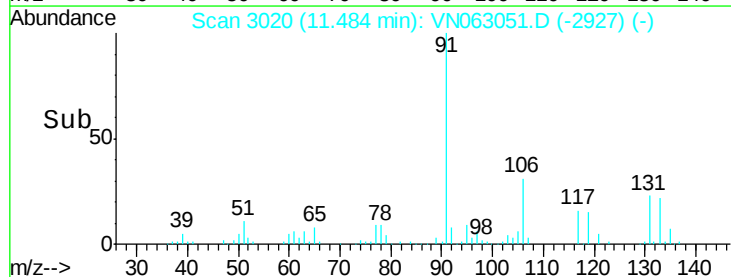
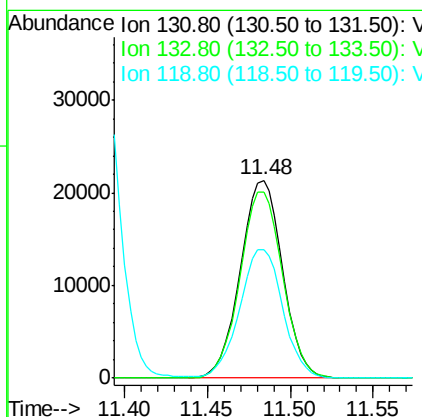
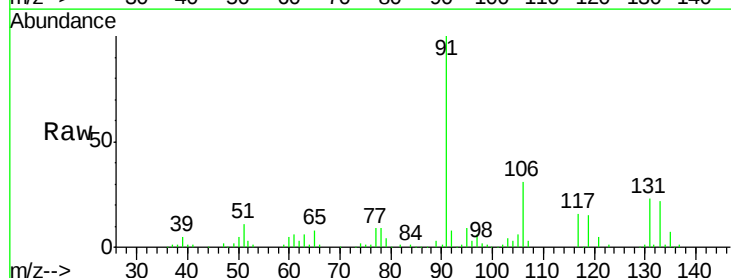
Manual Integrations
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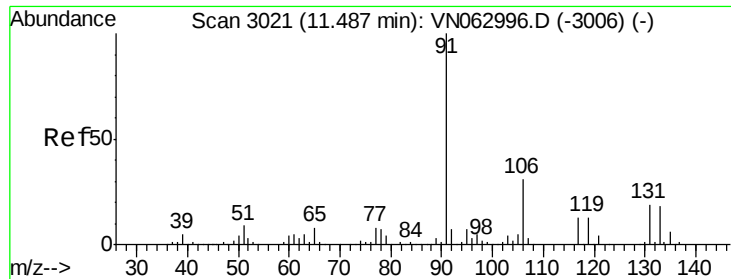
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.069 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion:131 Resp: 37736
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 66.7 33.1 99.3





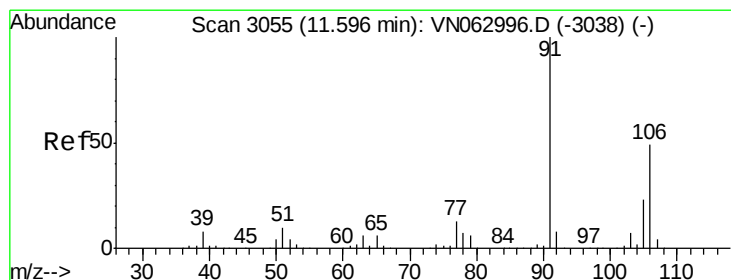
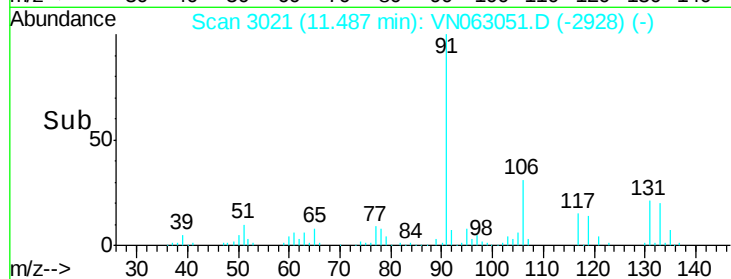
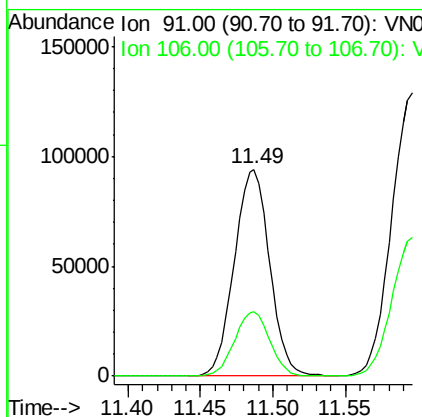
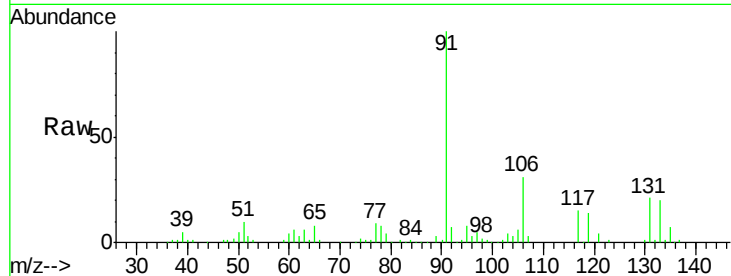
#67
Ethyl Benzene
Concen: 18.587 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion: 91 Resp: 159793
Ion Ratio Lower Upper
91 100
106 31.2 24.6 37.0

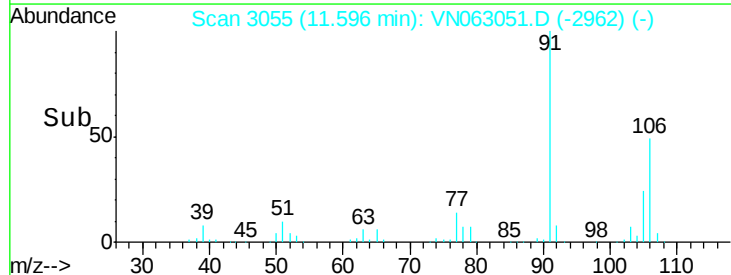
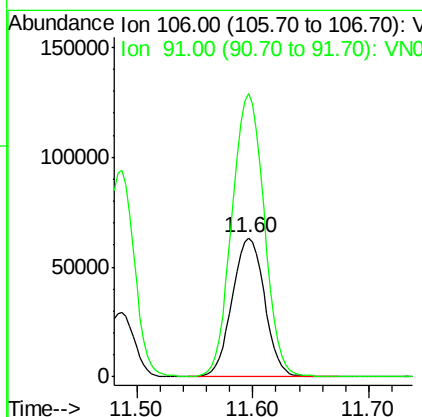
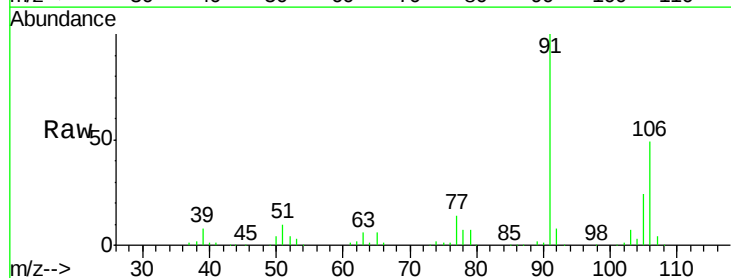
Manual Integrations
APPROVED

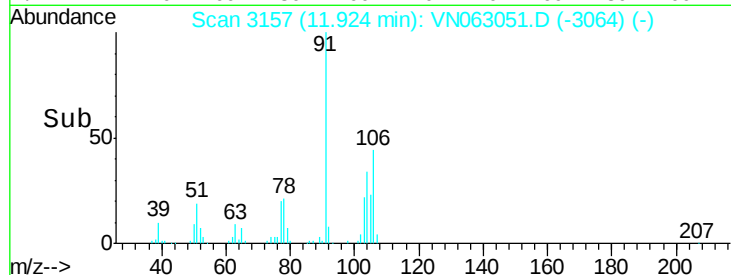
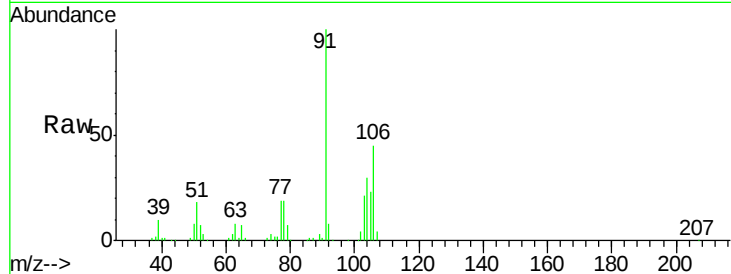
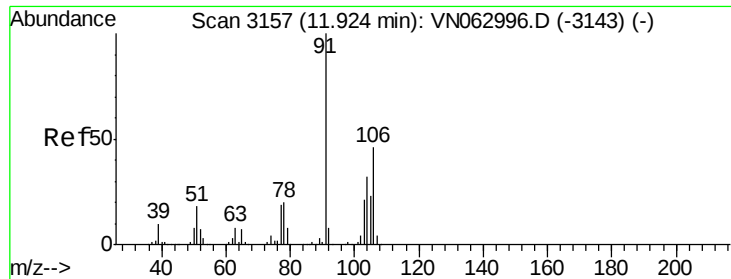
MMDadoda
8/21/2020 9:20:43 AM



#68
m/p-Xylenes
Concen: 38.468 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion: 106 Resp: 122914
Ion Ratio Lower Upper
106 100
91 202.5 163.0 244.4





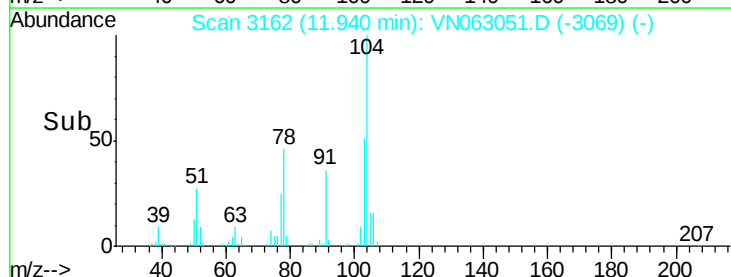
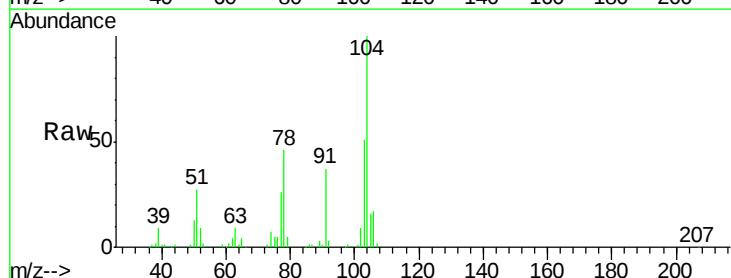
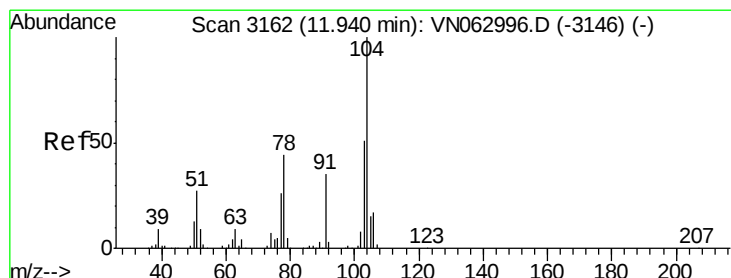
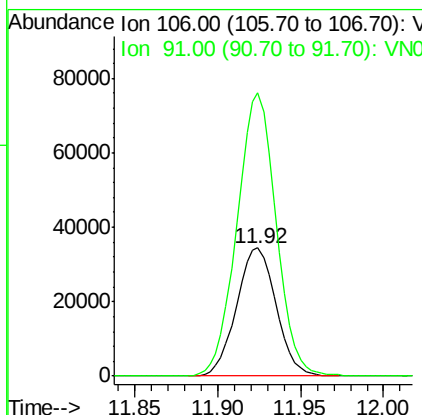
#69
o-Xylene
Concen: 18.687 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tot Ion:106 Resp: 57337
Ion Ratio Lower Upper
106 100
91 218.2 107.3 321.9

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

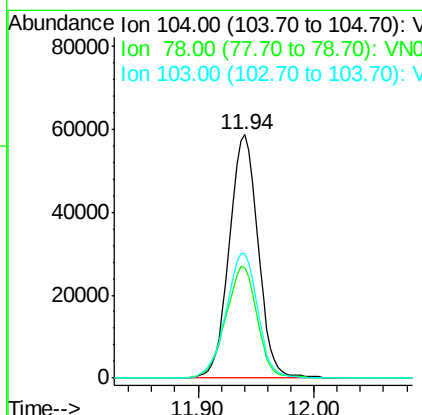
Manual Integrations
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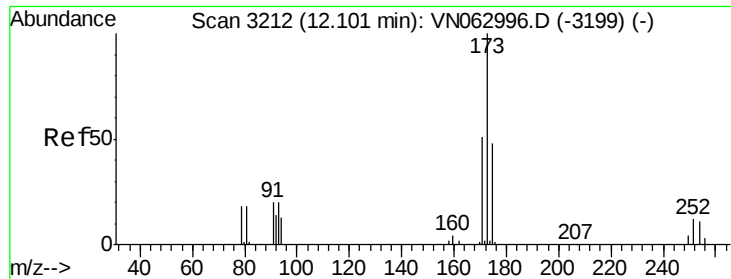
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#70
Styrene
Concen: 17.852 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion:104 Resp: 100864
Ion Ratio Lower Upper
104 100
78 49.9 39.0 58.6
103 56.2 44.3 66.5





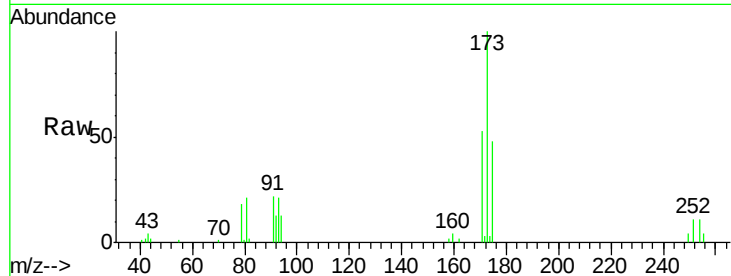
#71
Bromoform
Concen: 18.591 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

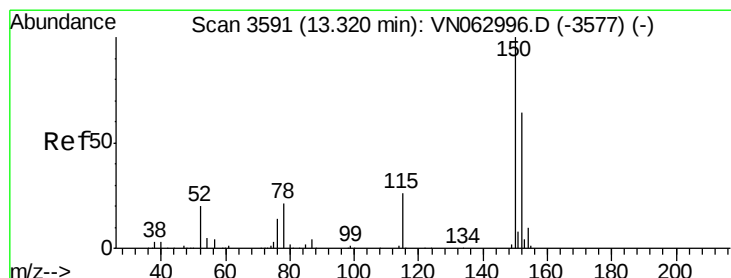
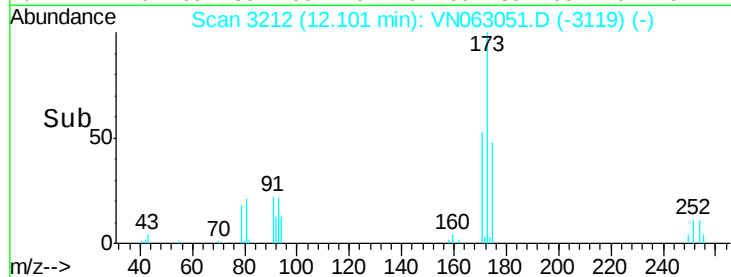
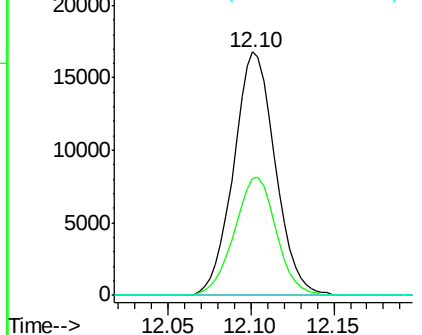
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.0	0.0

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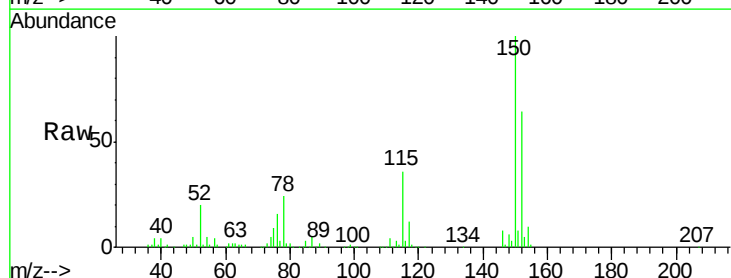


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

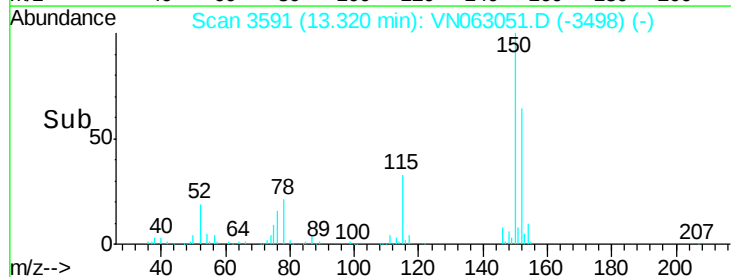
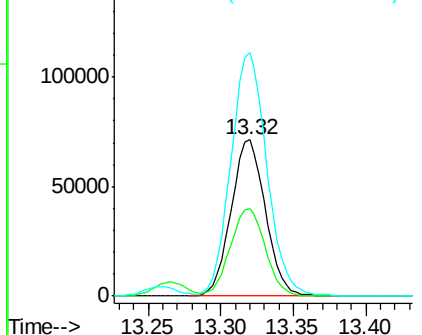


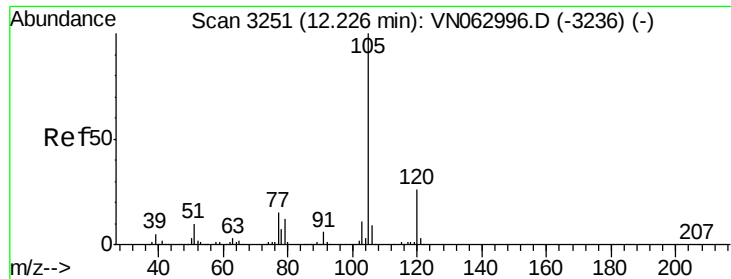
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.7	86.3
150	163.5	0.0	348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





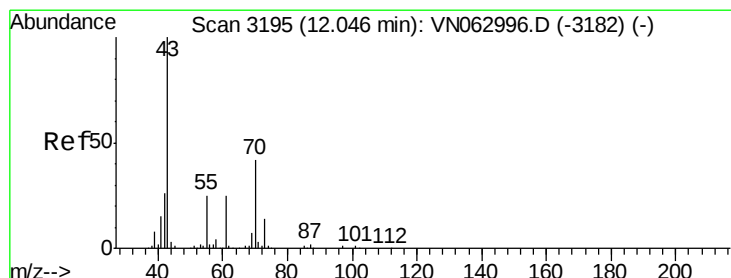
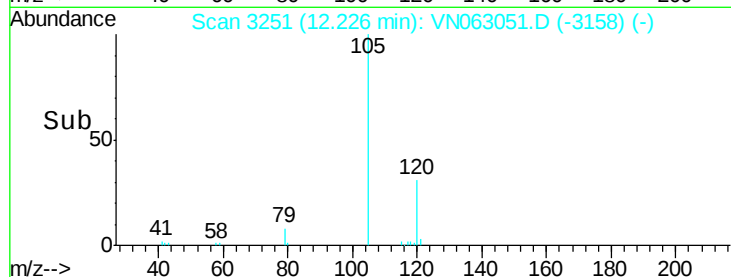
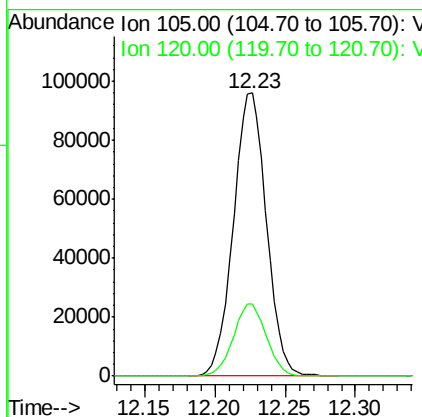
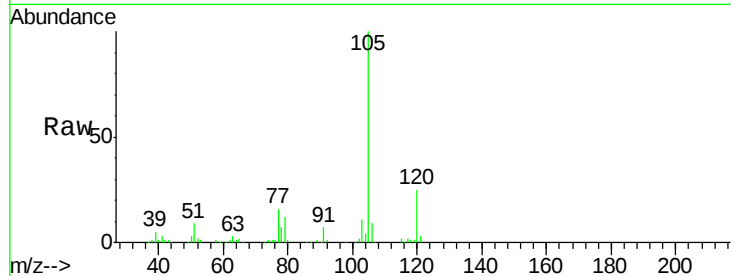
#73
Isopropylbenzene
Concen: 19.564 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	157680		
120	25.6	13.2	39.6	

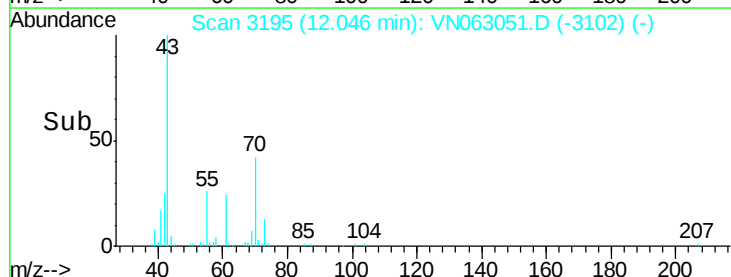
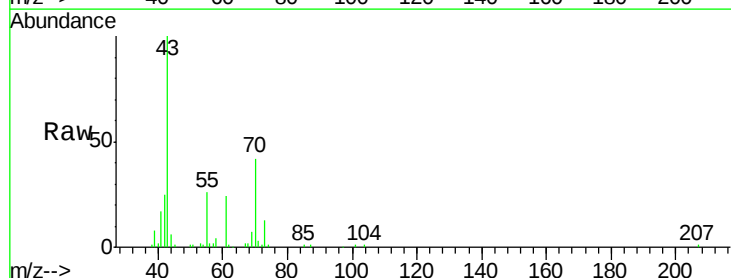
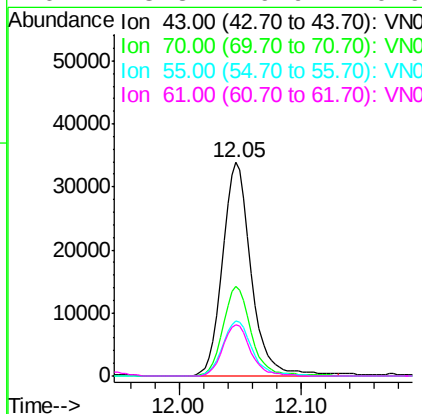
Manual Integrations
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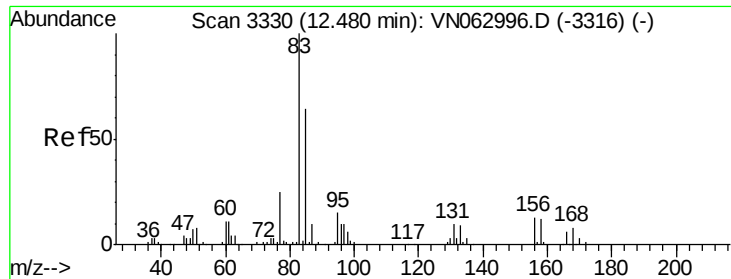
MMDadoda
8/21/2020 9:20:43 AM



#74
N-ethyl acetate
Concen: 19.467 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	56194		
70	40.6	33.4	50.0	
55	26.4	20.2	30.2	
61	23.3	19.9	29.9	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.821 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

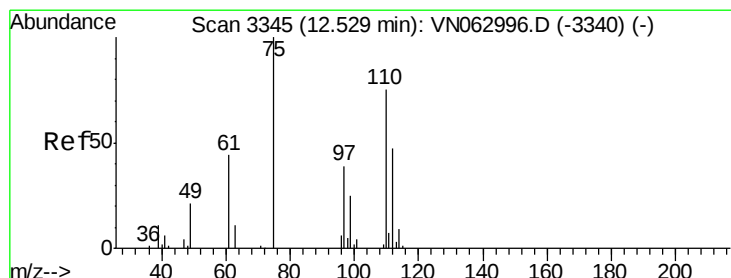
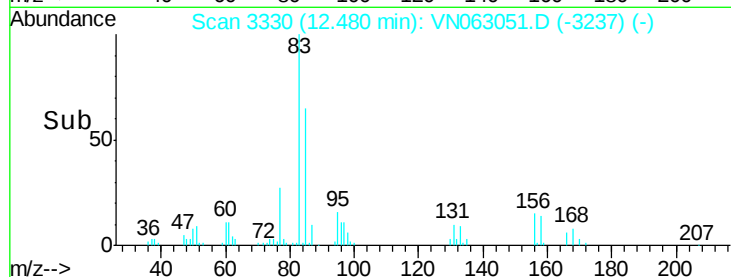
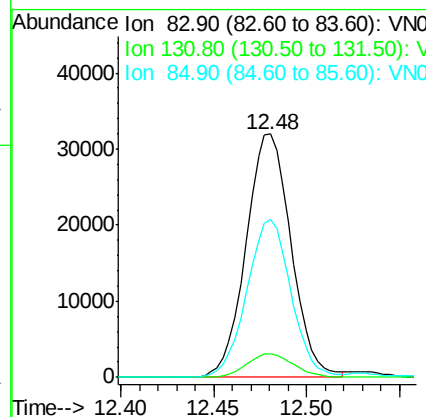
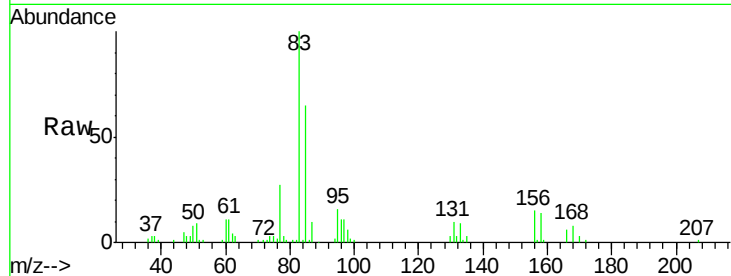
ClientSampleId :

VN0820WBSD02

Tot Ion:	83	Resp:	54193
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	63.6	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 19.694 ug/l m

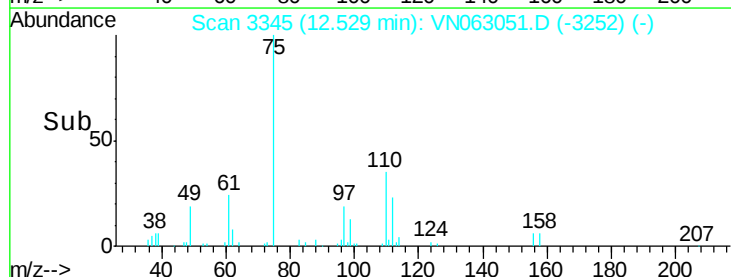
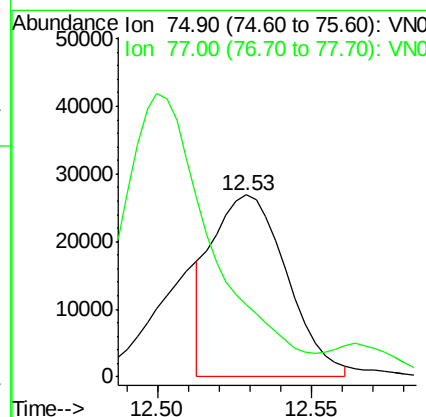
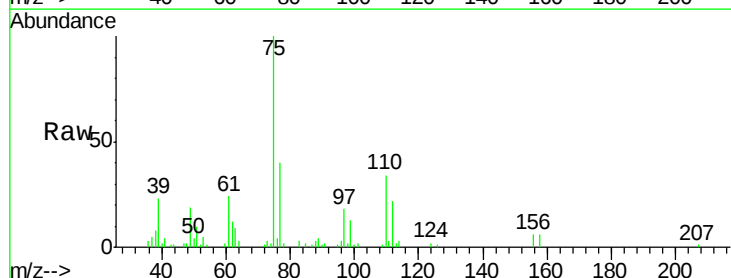
RT: 12.53 min Scan# 3345

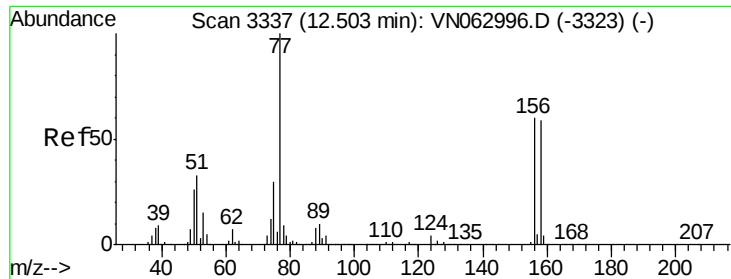
Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Tgt Ion:	75	Resp:	45054
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.538 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion:156 Resp: 43309

Ion Ratio Lower Upper

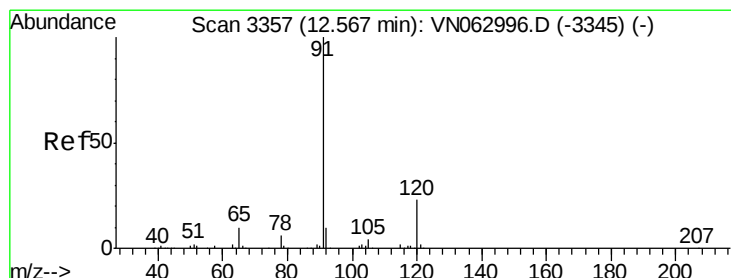
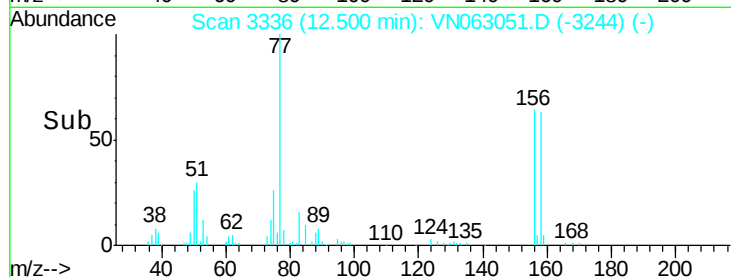
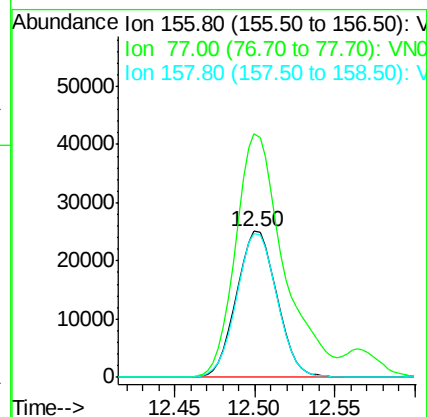
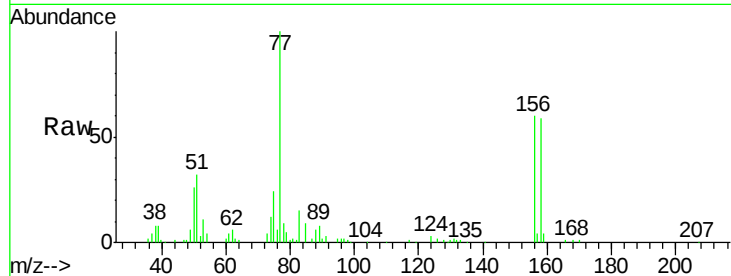
156 100

77 199.5 101.0 302.9

158 98.4 49.4 148.0

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#78

n-propylbenzene

Concen: 20.039 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063051.D

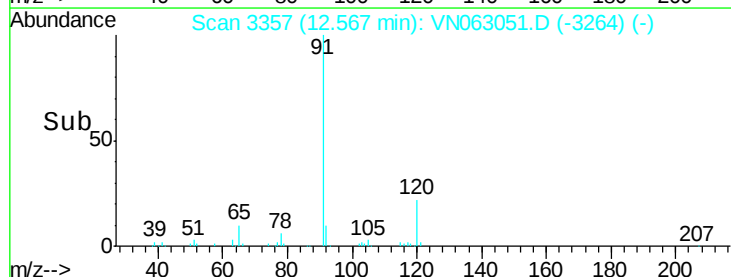
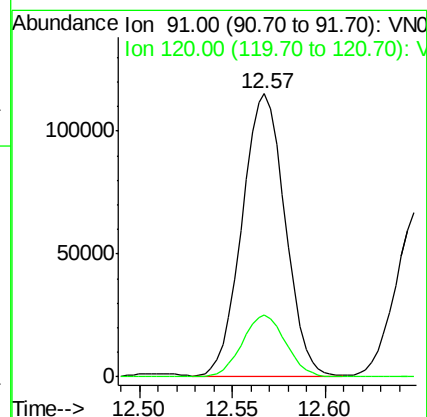
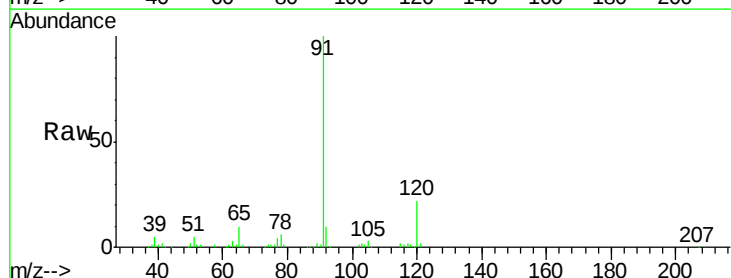
Acq: 20 Aug 2020 22:26

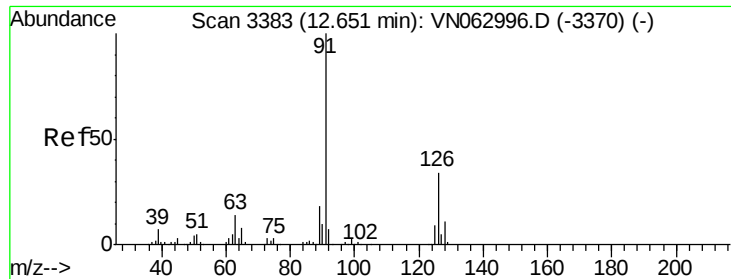
Tgt Ion: 91 Resp: 184090

Ion Ratio Lower Upper

91 100

120 22.2 11.4 34.1





#79

2-Chlorotoluene

Concen: 19.403 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN063051.D

Acq: 20 Aug 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 91 Resp: 112117

Ion Ratio Lower Upper

91 100

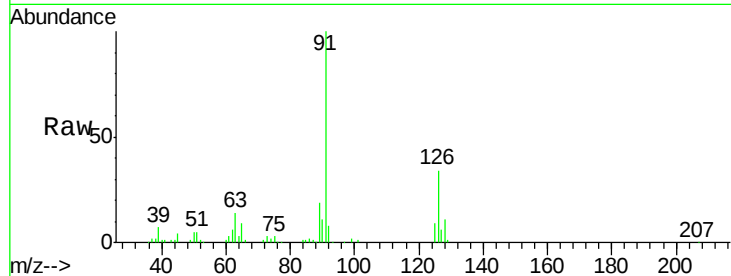
126 34.1 17.1 51.2

Manual Integrations

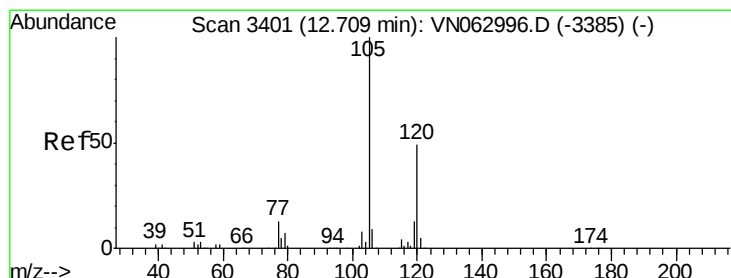
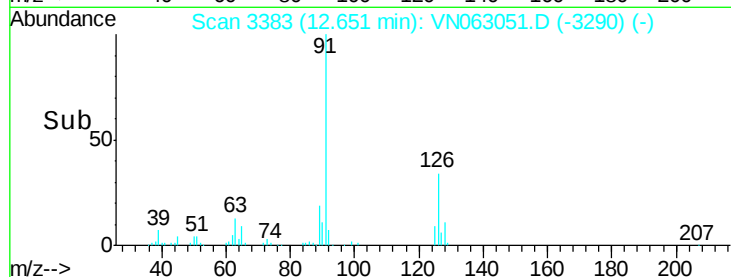
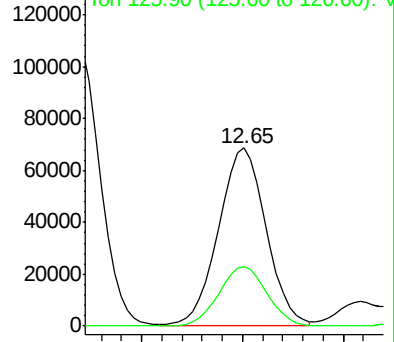
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Abundance Ion 91.00 (90.70 to 91.70): VN063051.D (-3383) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.859 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN063051.D

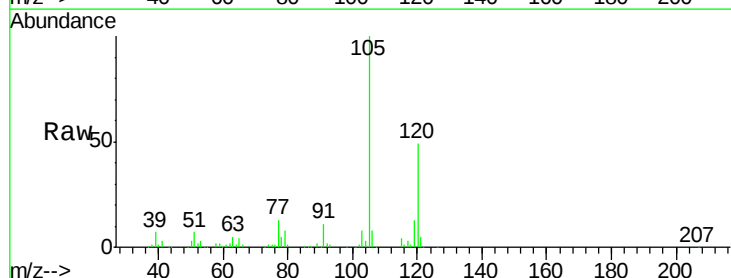
Acq: 20 Aug 2020 22:26

Tgt Ion: 105 Resp: 132314

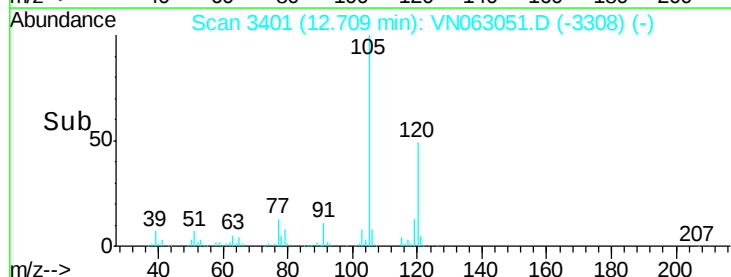
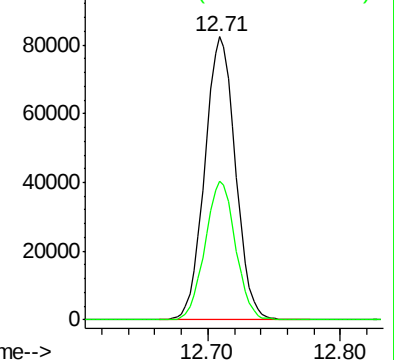
Ion Ratio Lower Upper

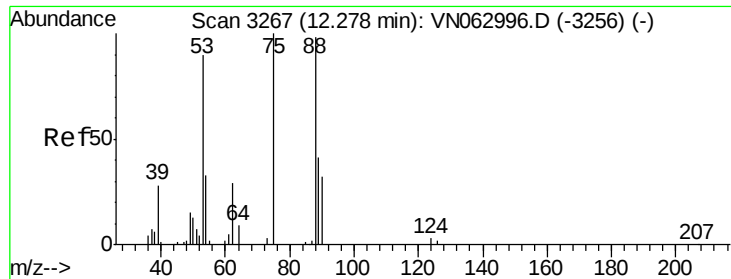
105 100

120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN063051.D (-3398) (-)





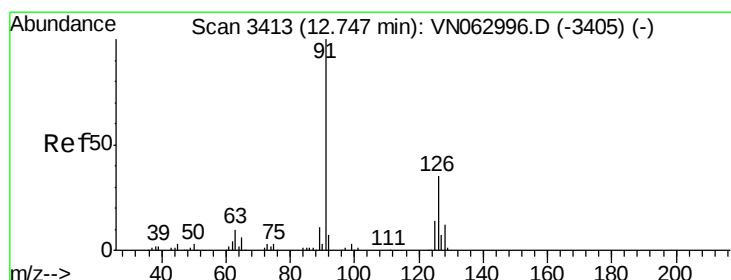
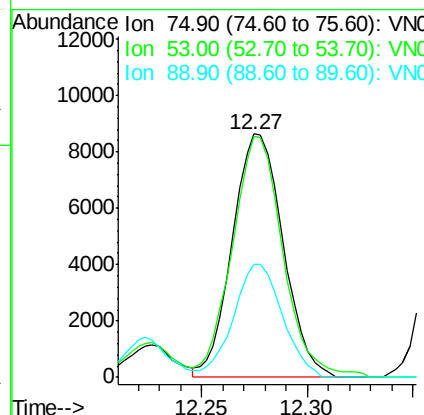
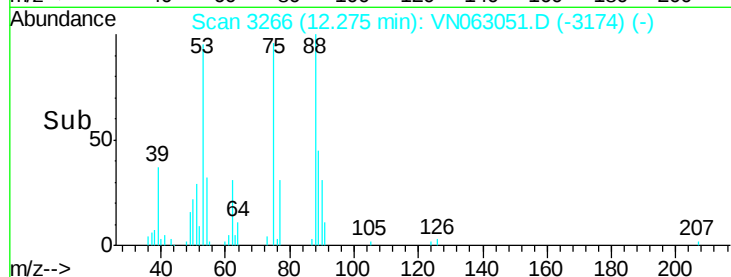
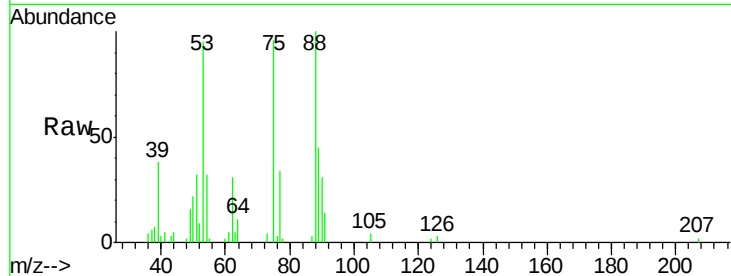
#81
trans-1,4-Dichloro-2-butene
Concen: 17.325 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.9	69.2	103.8
89	45.0	34.2	51.4

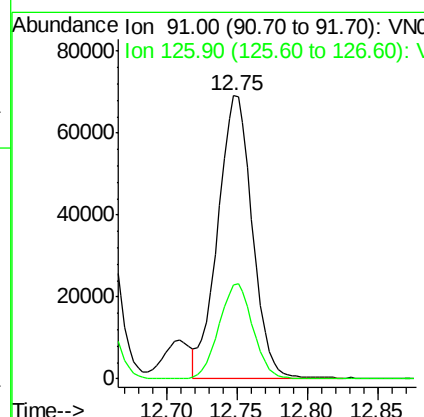
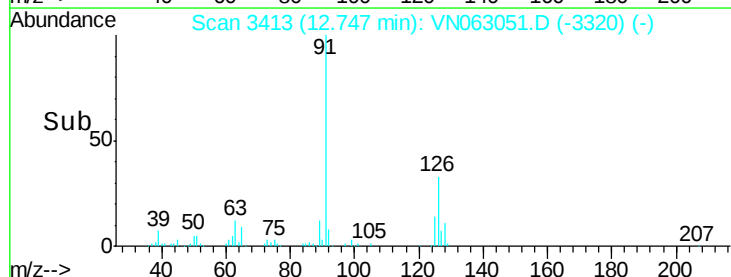
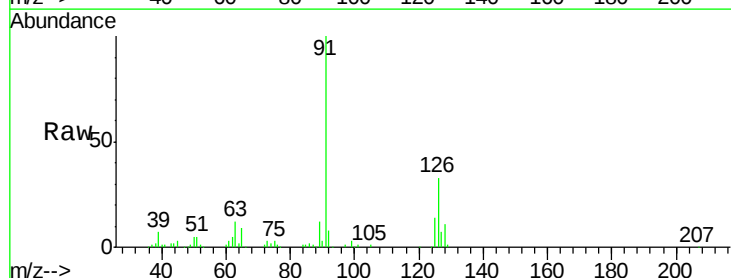
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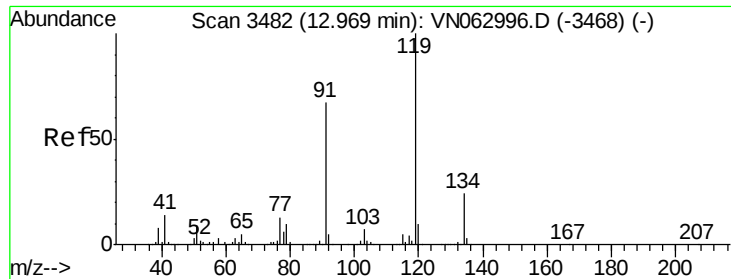
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#82
4-Chlorotoluene
Concen: 19.776 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.5	49.5





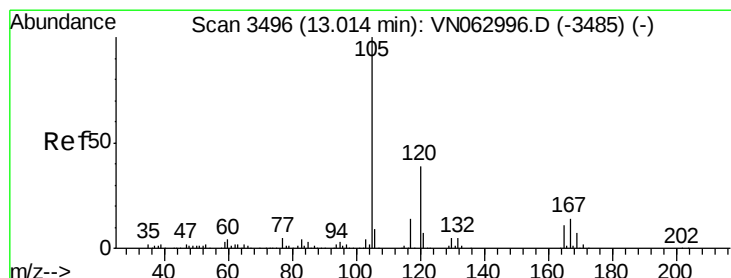
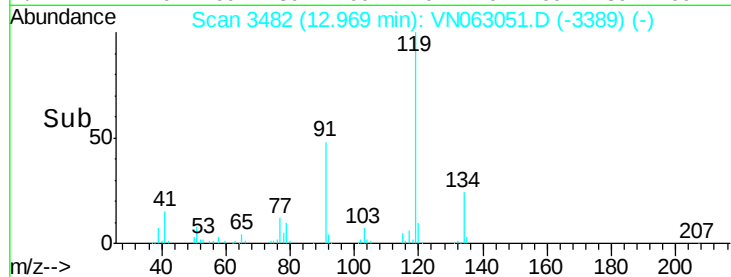
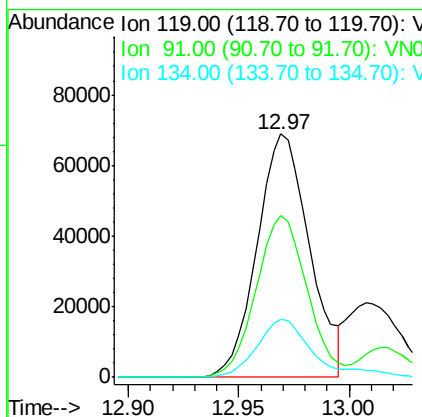
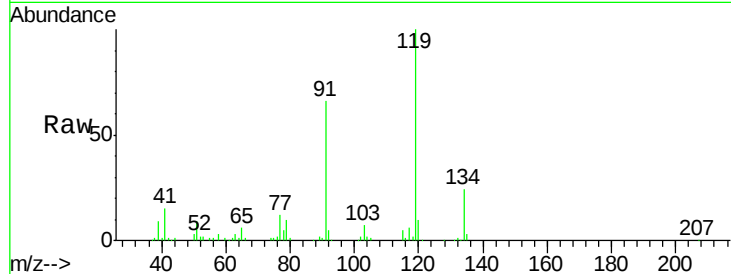
#83
 tert-Butylbenzene
 Concen: 19.744 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	113536		
91	64.8	32.5	97.4	
134	25.8	13.1	39.3	

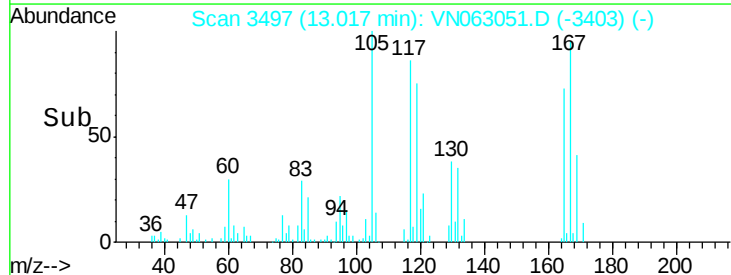
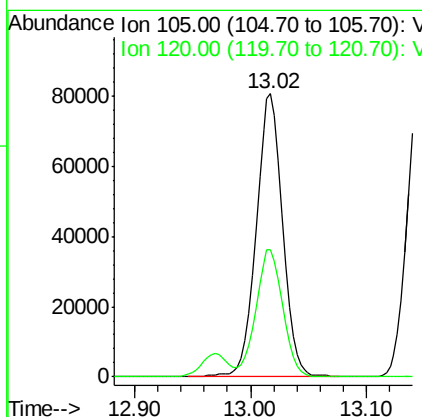
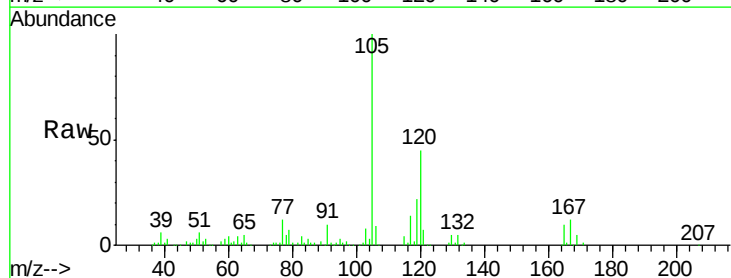
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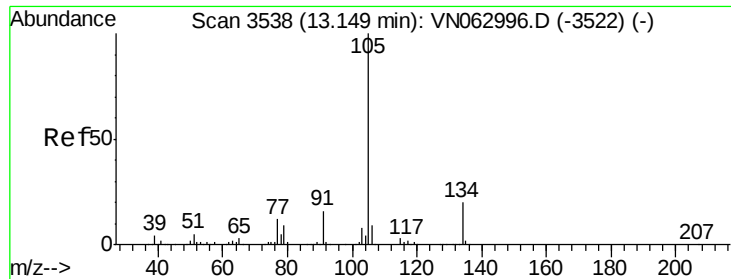
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.749 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	128186		
120	45.6	22.5	67.5	





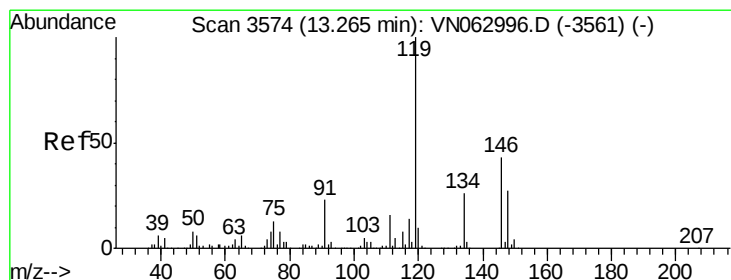
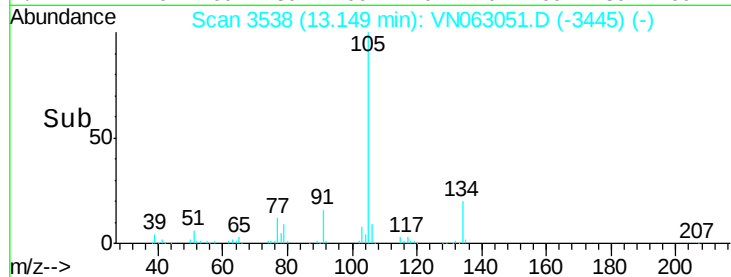
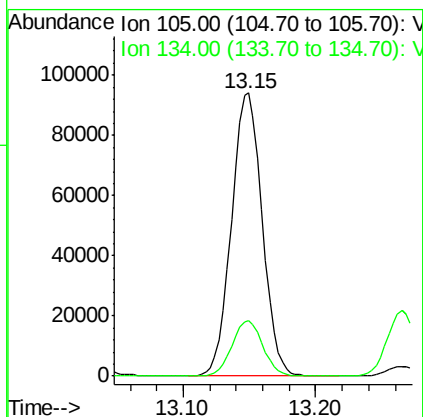
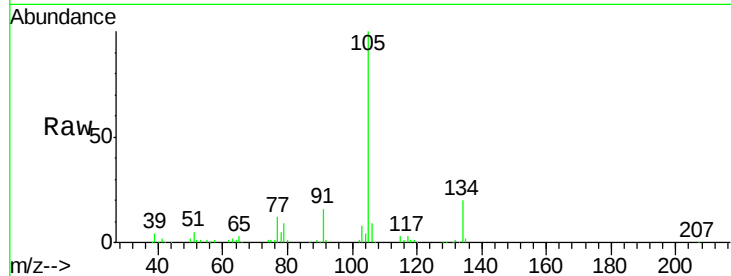
#85
 sec-Butylbenzene
 Concen: 19.476 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0820WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	151359		
134	19.6	9.8	29.4	

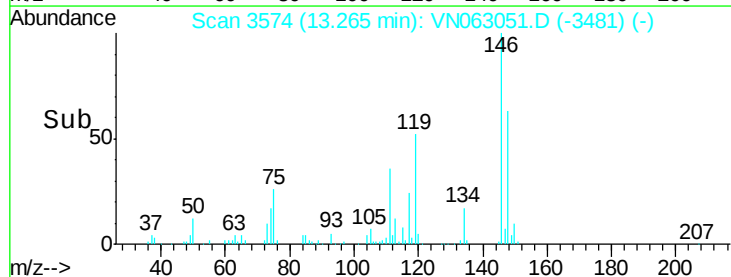
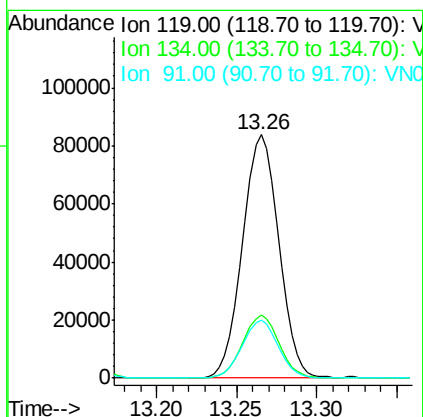
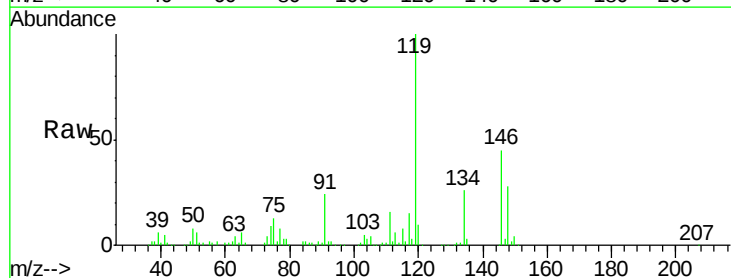
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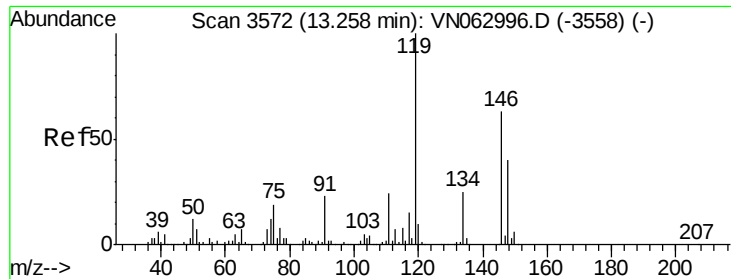
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#86
 p-Isopropyltoluene
 Concen: 19.204 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	130041		
134	25.8	13.1	39.3	
91	23.7	11.5	34.4	





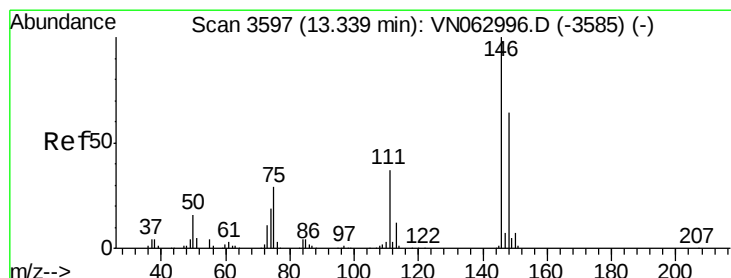
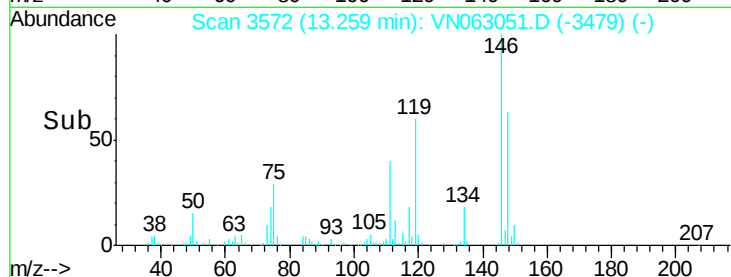
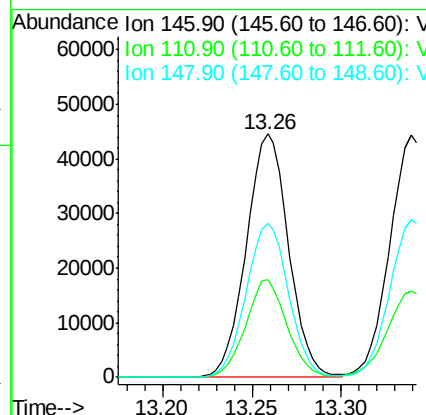
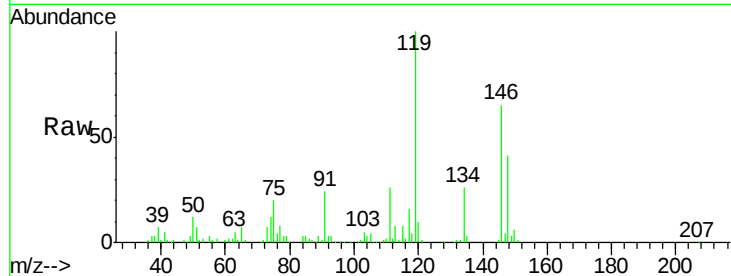
#87
 1,3-Dichlorobenzene
 Concen: 19.333 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	63.5	32.0	96.0

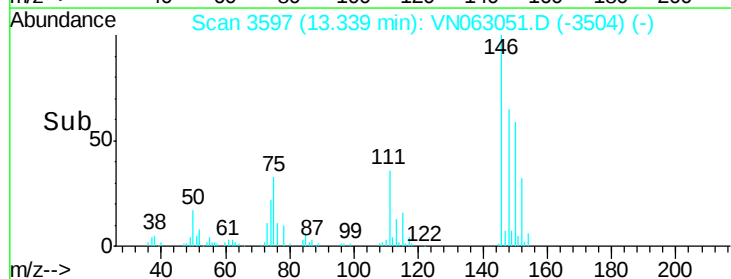
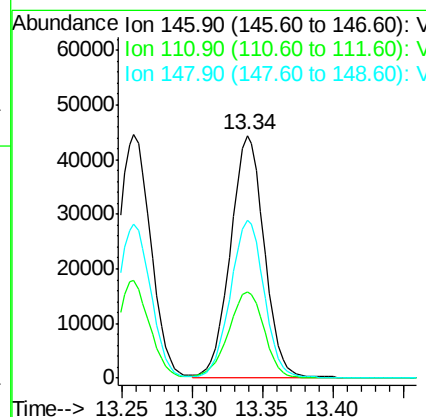
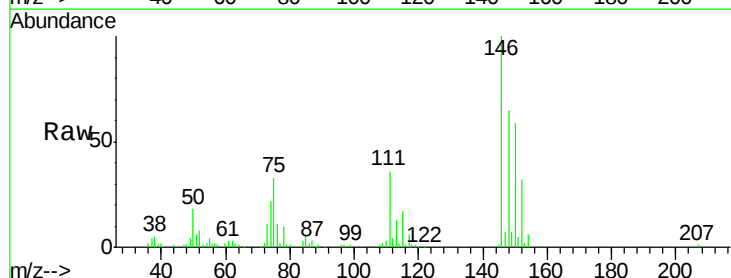
Manual Integrations
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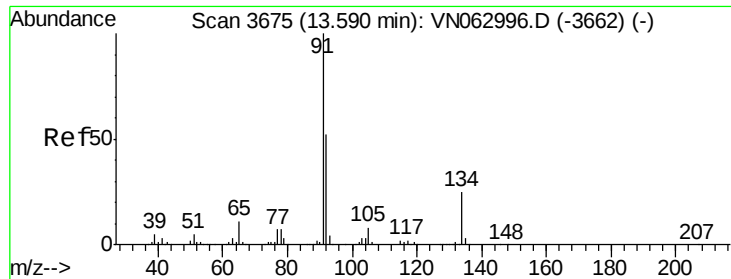
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#88
 1,4-Dichlorobenzene
 Concen: 19.072 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	65.8	32.4	97.0





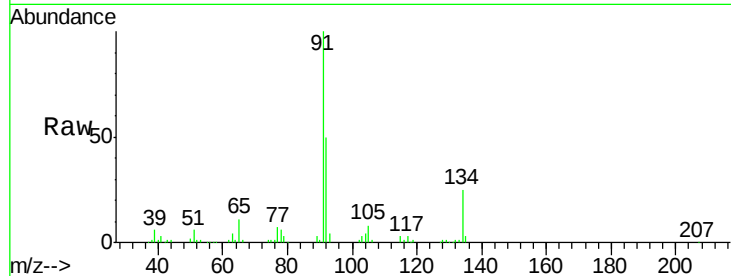
#89
n-Butylbenzene
Concen: 17.402 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

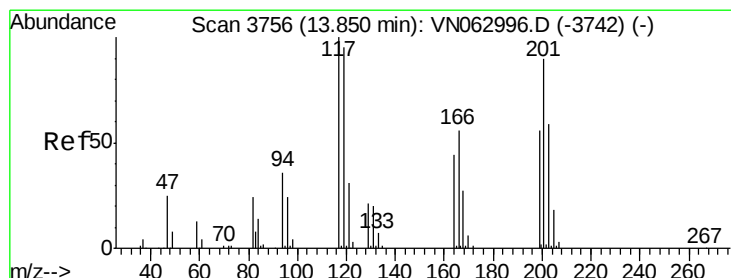
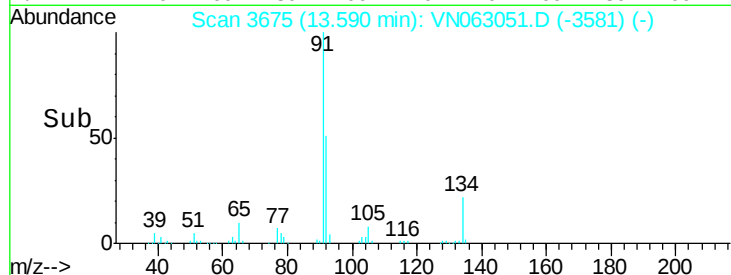
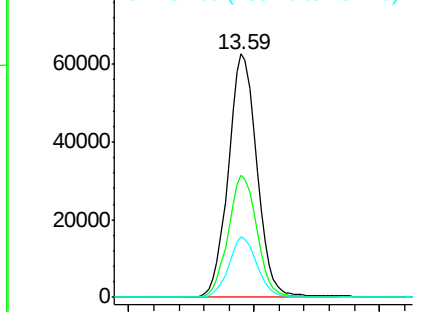
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.9	77.6
134	24.4	12.4	37.0

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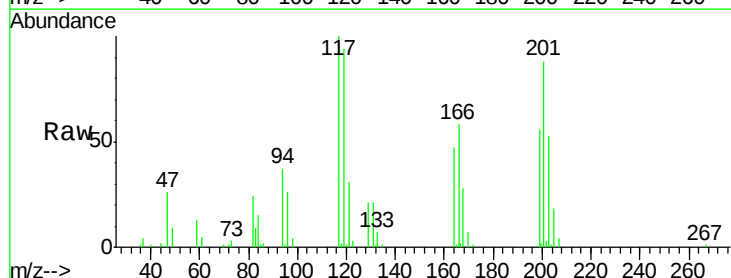


Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3662) (-)
Ion 92.00 (91.70 to 92.70): VN062996.D (-3662) (-)
Ion 134.00 (133.70 to 134.70): VN062996.D (-3662) (-)

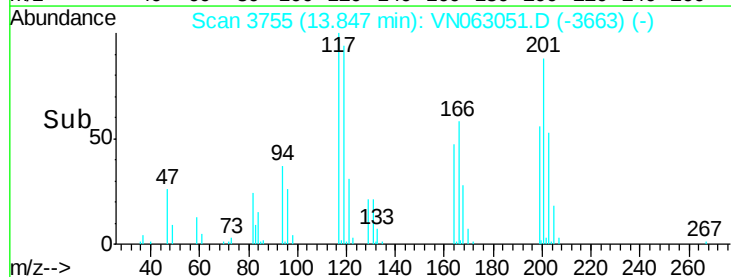
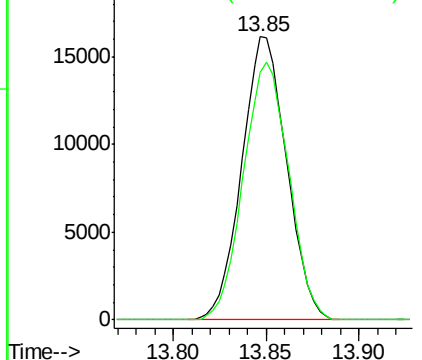


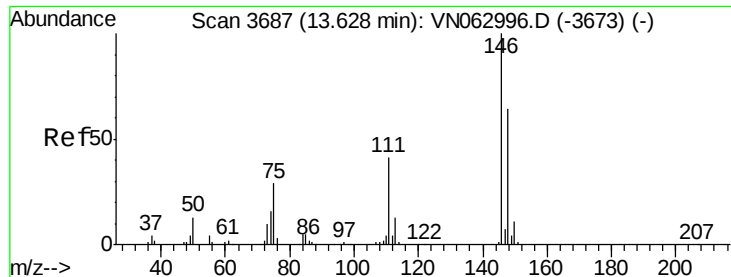
#90
Hexachloroethane
Concen: 18.847 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	44.1	132.4



Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-3742) (-)
Ion 200.70 (200.40 to 201.40): VN062996.D (-3742) (-)





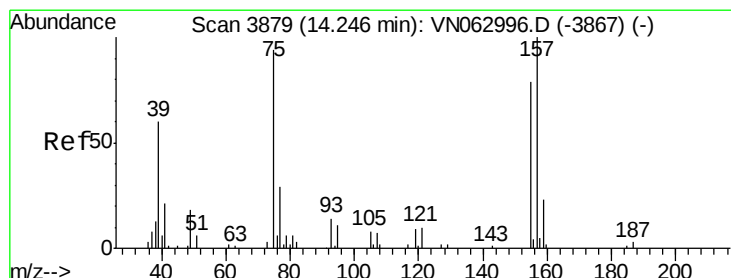
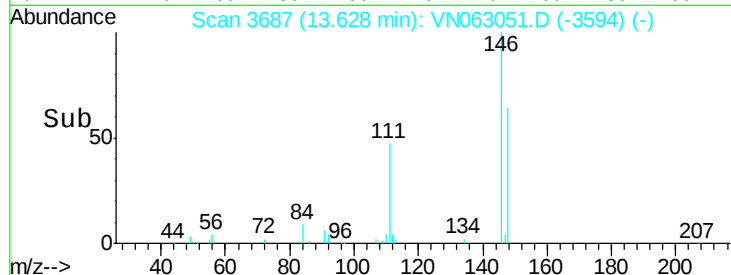
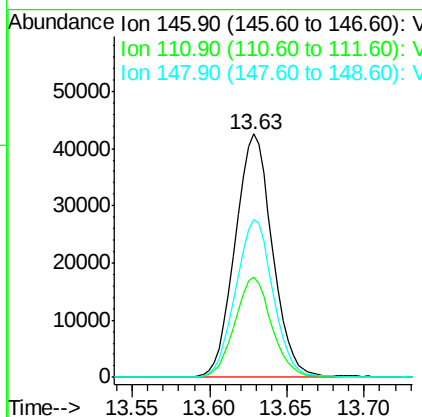
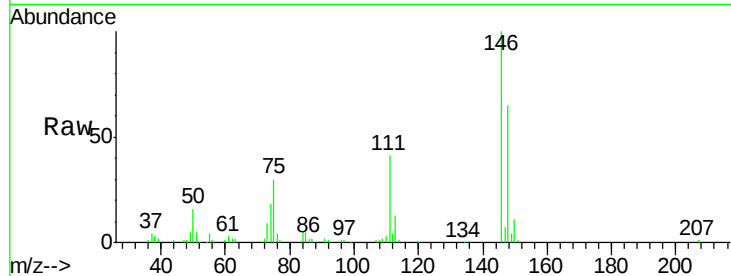
#91
 1,2-Dichlorobenzene
 Concen: 19.348 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	65.2	31.9	95.5

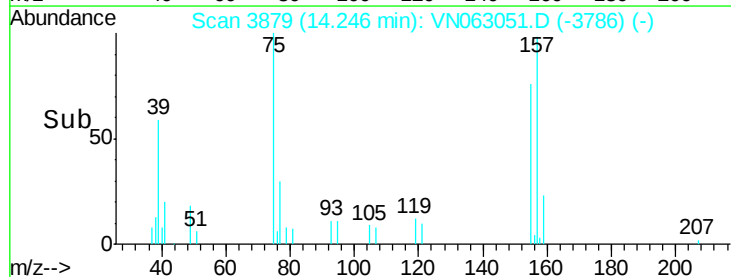
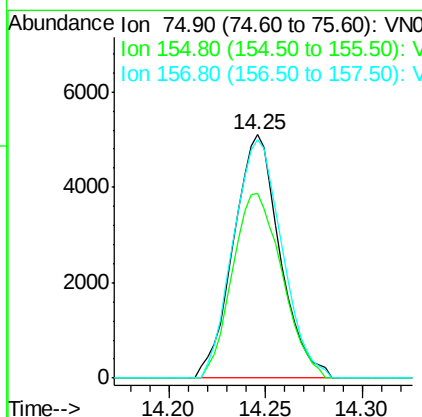
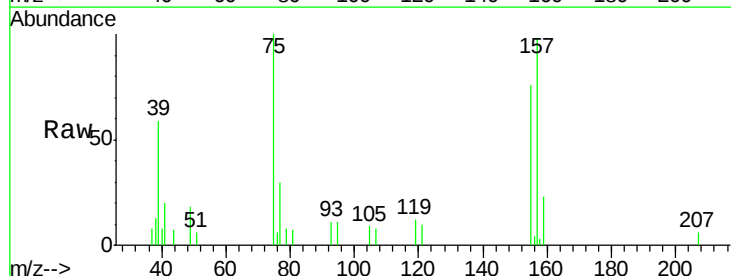
Manual Integrations
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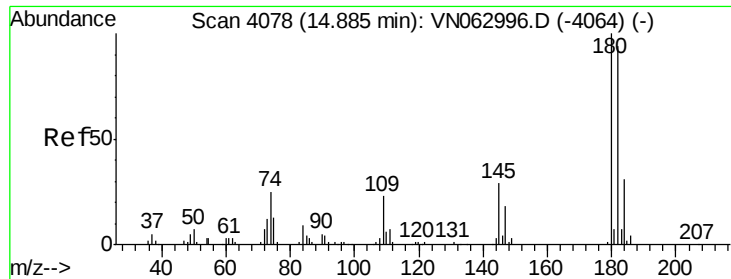
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 8/21/2020 9:20:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.032 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	42.4	127.1
157	102.3	55.2	165.6





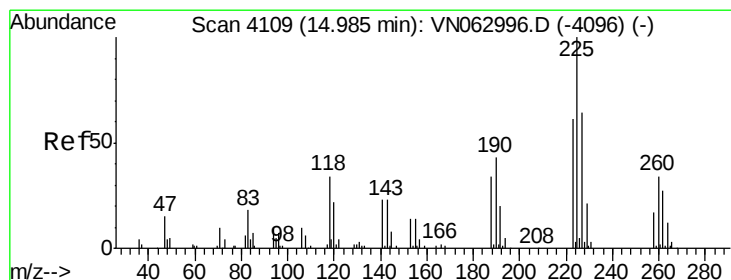
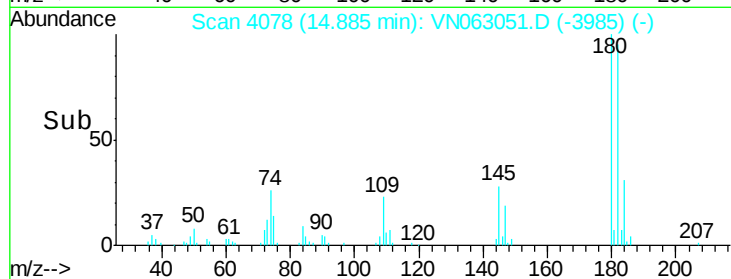
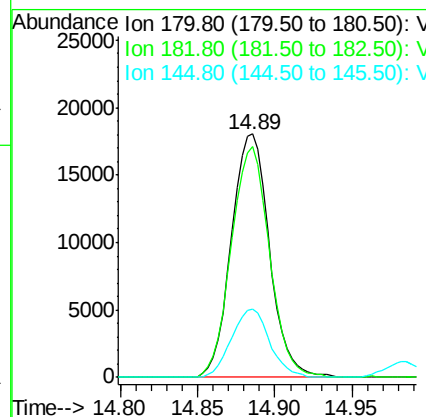
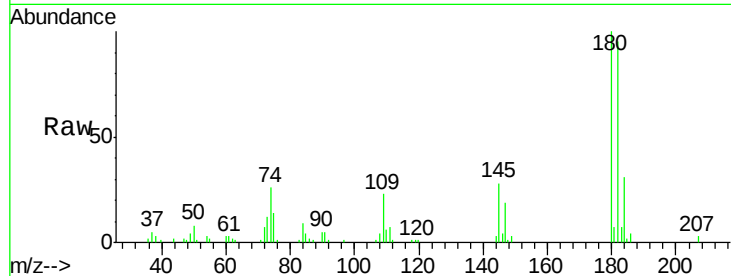
#93
 1,2,4-Trichlorobenzene
 Concen: 18.268 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	30791		
182	94.9	47.0	141.2	
145	27.9	14.1	42.4	

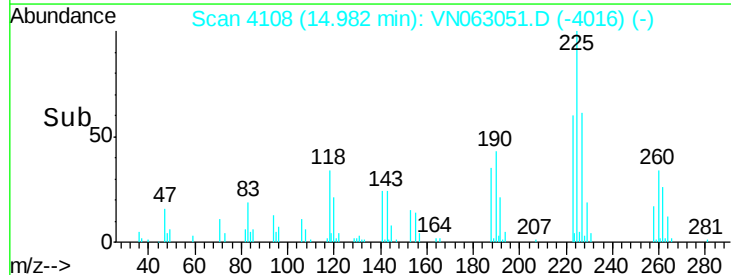
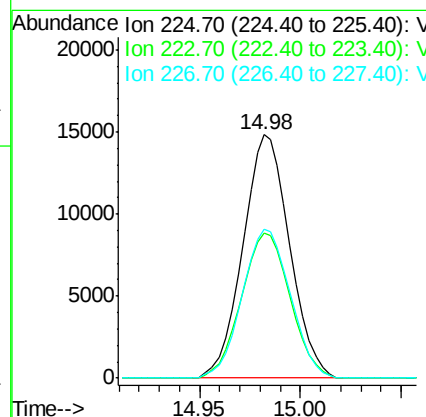
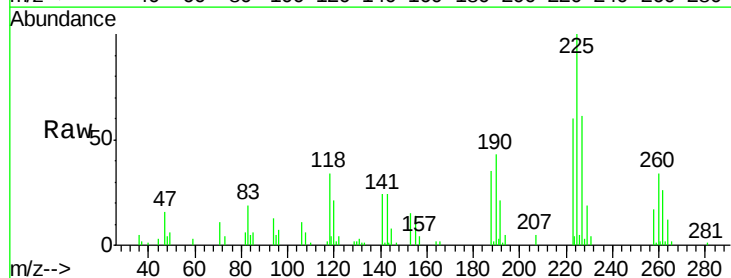
Manual Integrations
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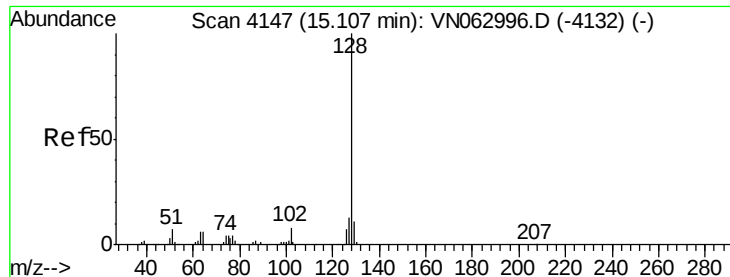
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#94
 Hexachlorobutadiene
 Concen: 17.637 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063051.D
 Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23982		
223	62.3	30.9	92.5	
227	62.9	31.9	95.9	





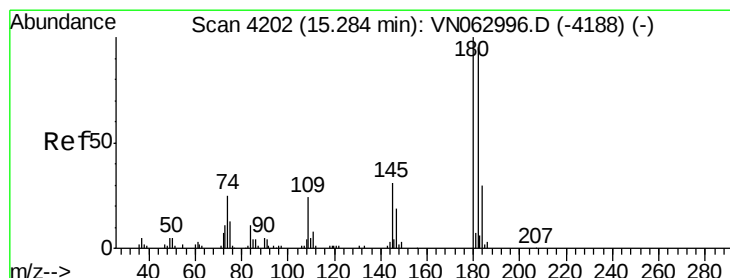
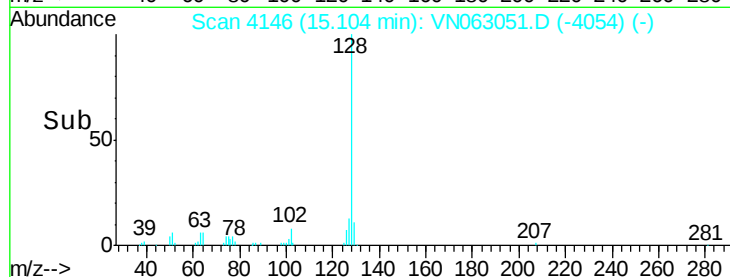
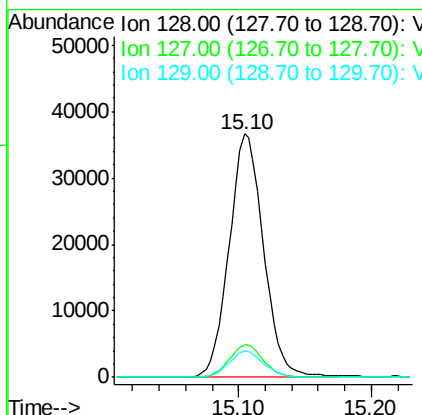
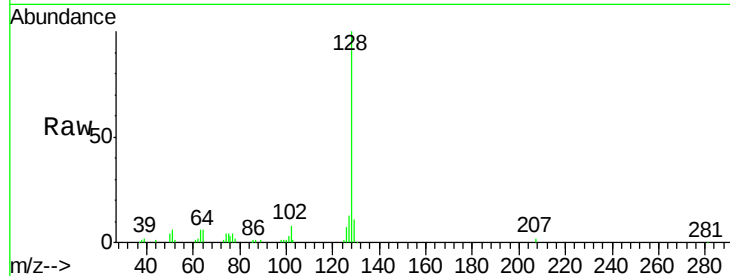
#95
Naphthalene
Concen: 18.114 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.8	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.372 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN063051.D
Acq: 20 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.9
145	29.7	15.6	46.7

