

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063384.D
 Acq On : 16 Sep 2020 23:52
 Operator : JC/MD
 Sample : VN0916WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:44:09 PM

Quant Time: Sep 17 04:56:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	269845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	482921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	438257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	220783	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	7.55	113	153076	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	
50) Toluene-d8	10.06	98	590930	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
62) 4-Bromofluorobenzene	12.38	95	216911	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57126	18.686	ug/l	99
3) Chloromethane	2.04	50	70088	17.330	ug/l	97
4) Vinyl Chloride	2.16	62	68347	19.075	ug/l	99
5) Bromomethane	2.54	94	42452	19.955	ug/l	98
6) Chloroethane	2.68	64	39749	18.072	ug/l	96
7) Trichlorofluoromethane	2.99	101	100267	18.756	ug/l	95
8) Diethyl Ether	3.38	74	37815	18.145	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	54694	18.192	ug/l	98
10) Methyl Iodide	3.91	142	71010	18.142	ug/l	99
11) Tert butyl alcohol	4.73	59	53957	84.790	ug/l	98
12) 1,1-Dichloroethene	3.70	96	54776	17.988	ug/l	100
13) Acrolein	3.57	56	32962	139.773	ug/l	98
14) Allyl chloride	4.28	41	107138	17.787	ug/l	98
15) Acrylonitrile	4.93	53	145782	90.062	ug/l	99
16) Acetone	3.77	43	134336	90.997	ug/l	99
17) Carbon Disulfide	4.02	76	158259	17.867	ug/l	99
18) Methyl Acetate	4.28	43	69143	18.449	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	203613	17.940	ug/l	100
20) Methylene Chloride	4.50	84	66540	17.790	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	60308	17.875	ug/l	95
22) Diisopropyl ether	5.90	45	226092	18.405	ug/l	93
23) Vinyl Acetate	5.84	43	924098	91.595	ug/l	99
24) 1,1-Dichloroethane	5.80	63	124075	18.500	ug/l	97
25) 2-Butanone	6.78	43	200199	88.175	ug/l	100
26) 2,2-Dichloropropane	6.78	77	88170	14.931	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	71867	18.820	ug/l	96
28) Bromochloromethane	7.15	49	59821	19.317	ug/l	97
29) Tetrahydrofuran	7.17	42	136034	87.726	ug/l	98
30) Chloroform	7.33	83	120597	17.922	ug/l	100
31) Cyclohexane	7.62	56	112268	17.696	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	106685	17.826	ug/l	98
36) 1,1-Dichloropropene	7.75	75	92273	17.935	ug/l	99
37) Ethyl Acetate	6.88	43	88588	17.544	ug/l	100
38) Carbon Tetrachloride	7.74	117	92051	17.527	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	96261	17.239	ug/l	100
40) Benzene	8.00	78	263999	17.976	ug/l	100
41) Methacrylonitrile	7.14	41	45212m	19.908	ug/l	
42) 1,2-Dichloroethane	8.08	62	104735	17.733	ug/l	99
43) Isopropyl Acetate	8.13	43	154077	17.065	ug/l #	90
44) Trichloroethene	8.80	130	63792	17.908	ug/l	100
45) 1,2-Dichloropropane	9.08	63	72000	18.000	ug/l	98
46) Dibromomethane	9.18	93	47694	18.141	ug/l	99
47) Bromodichloromethane	9.37	83	97801	17.907	ug/l	93
48) Methyl methacrylate	9.17	41	76400	17.223	ug/l	99
49) 1,4-Dioxane	9.17	88	21751	341.681	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	450799	89.184	ug/l	98
52) Toluene	10.13	92	162519	18.405	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	105736	17.341	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	112709	17.524	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	65094	18.559	ug/l	98
56) Ethyl methacrylate	10.40	69	95268	17.399	ug/l	98
57) 1,3-Dichloropropane	10.68	76	109779	17.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	256339	89.246	ug/l	100
59) 2-Hexanone	10.72	43	318216	86.897	ug/l	99
60) Dibromochloromethane	10.87	129	69429	17.522	ug/l	99
61) 1,2-Dibromoethane	10.98	107	63608	17.456	ug/l	98
64) Tetrachloroethene	10.60	164	54159	18.149	ug/l	98
65) Chlorobenzene	11.41	112	173378	18.637	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	62788	18.412	ug/l	98
67) Ethyl Benzene	11.48	91	317460	18.121	ug/l	100
68) m/p-Xylenes	11.60	106	229181	36.282	ug/l	98
69) o-Xylene	11.92	106	110800	18.414	ug/l	98
70) Styrene	11.94	104	184880	18.322	ug/l	98
71) Bromoform	12.10	173	44743	17.612	ug/l #	99
73) Isopropylbenzene	12.23	105	299766	18.881	ug/l	100
74) N-amyl acetate	12.05	43	135529	18.033	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	90585	18.427	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	85702m	17.477	ug/l	
77) Bromobenzene	12.50	156	70484	19.736	ug/l	94
78) n-propylbenzene	12.57	91	343642	18.584	ug/l	100
79) 2-Chlorotoluene	12.65	91	212654	19.184	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	252075	19.040	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	29445	16.462	ug/l	98
82) 4-Chlorotoluene	12.75	91	218843	18.685	ug/l	100
83) tert-Butylbenzene	12.97	119	207766	19.015	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	251916	18.838	ug/l	99
85) sec-Butylbenzene	13.14	105	272470	18.629	ug/l	100
86) p-Isopropyltoluene	13.26	119	242146	18.770	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	121632	18.375	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	125376	18.630	ug/l	99
89) n-Butylbenzene	13.59	91	215441	18.118	ug/l	99
90) Hexachloroethane	13.85	117	44357	18.057	ug/l	92
91) 1,2-Dichlorobenzene	13.63	146	123749	19.042	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20555	17.559	ug/l	95

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ClientSampleId :
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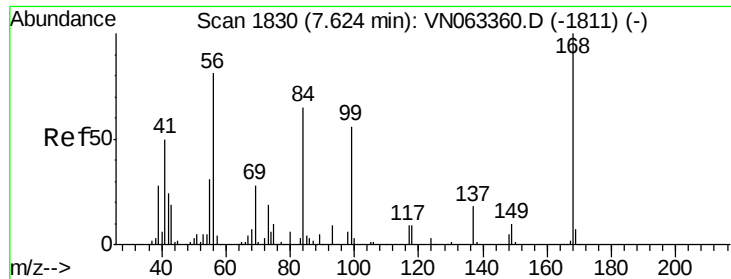
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	66820	17.441	ug/l	99
94) Hexachlorobutadiene	14.98	225	28338	17.867	ug/l	96
95) Naphthalene	15.10	128	221156	17.472	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	64061	17.305	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD02

Tot Ion:168 Resp: 269845

Ion Ratio Lower Upper

168 100

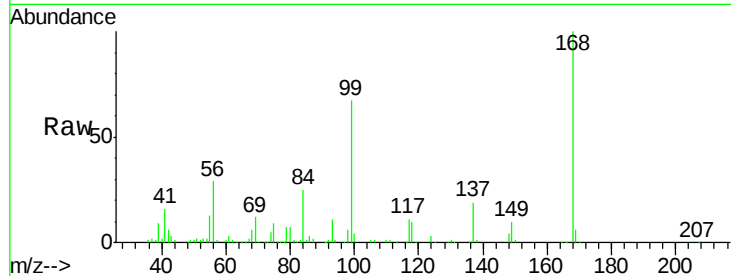
99 66.6 53.0 79.6

Manual Integrations

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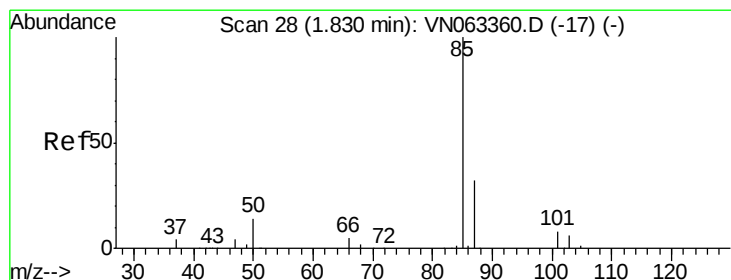
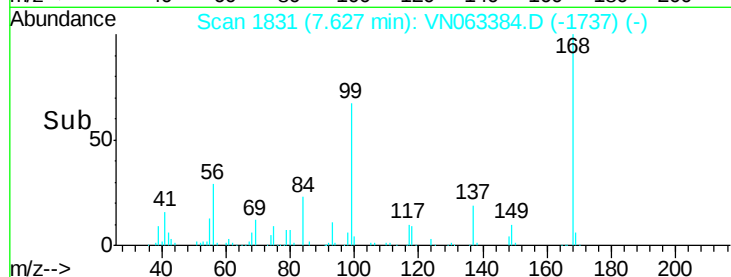
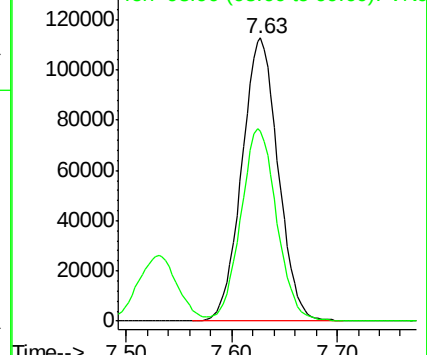
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.686 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063384.D

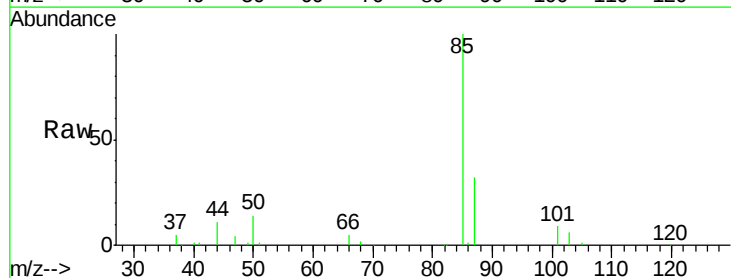
Acq: 16 Sep 2020 23:52

Tgt Ion: 85 Resp: 57126

Ion Ratio Lower Upper

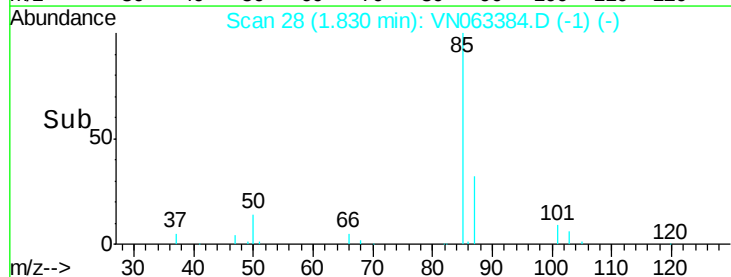
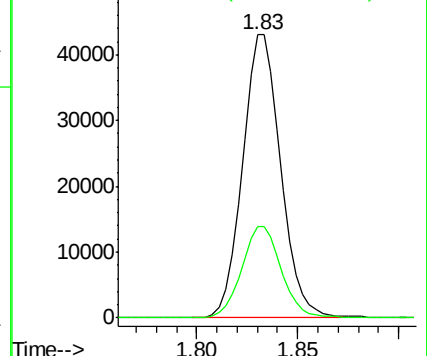
85 100

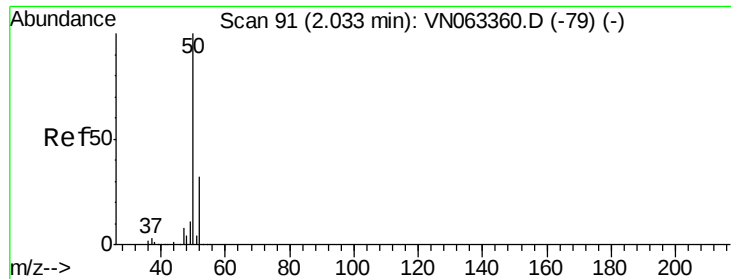
87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.330 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD02

Tot Ion: 50 Resp: 70088

Ion Ratio Lower Upper

50 100

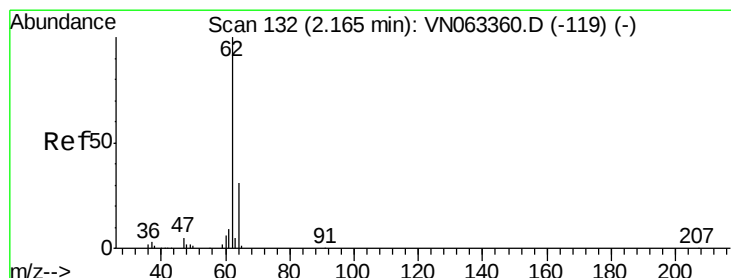
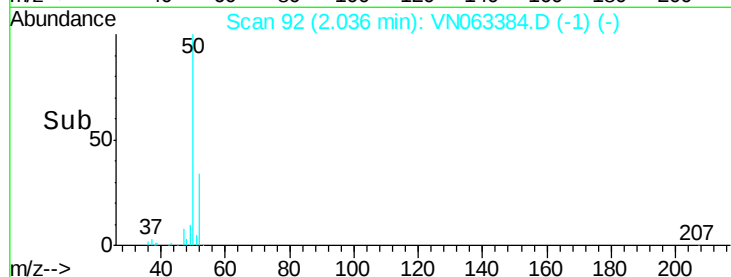
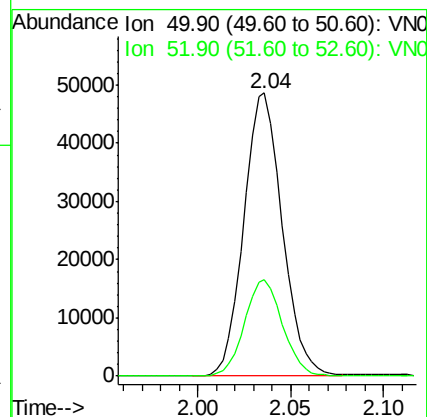
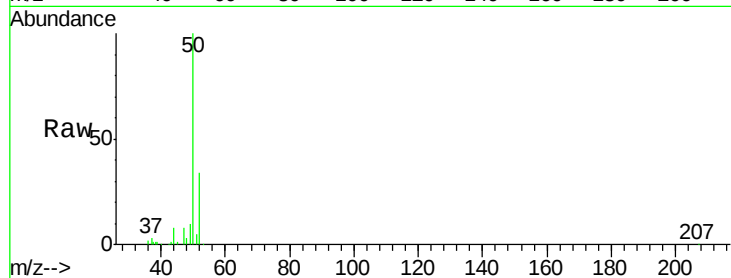
52 34.1 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.075 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063384.D

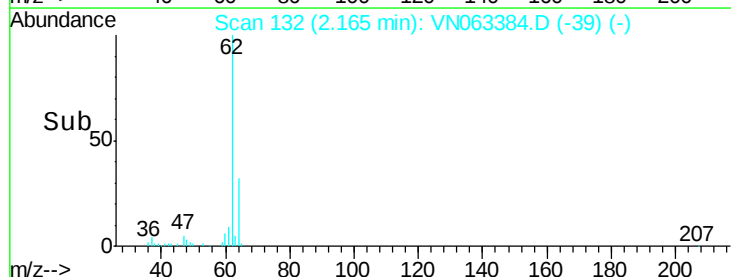
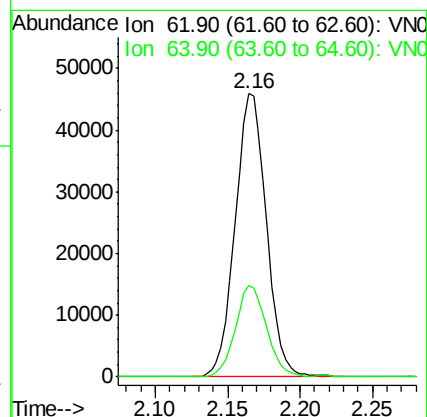
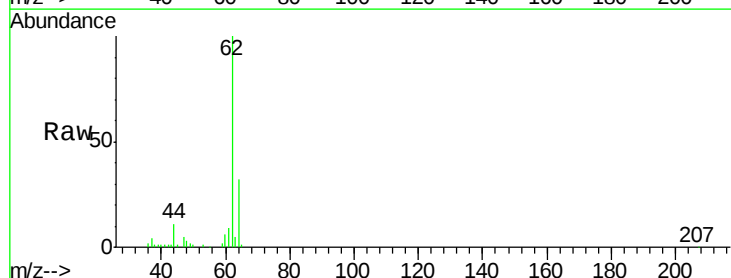
Acq: 16 Sep 2020 23:52

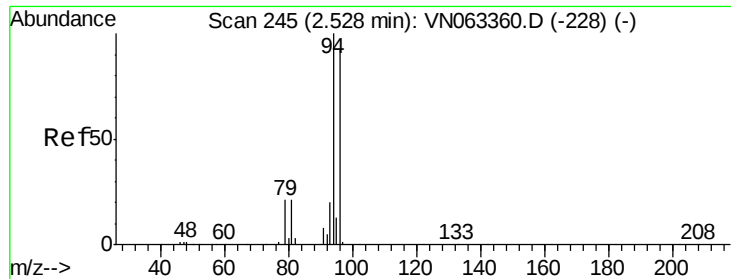
Tgt Ion: 62 Resp: 68347

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 19.955 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

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ClientSampleId :

VN0916WBSD02

Tot Ion: 94 Resp: 42452

Ion Ratio Lower Upper

94 100

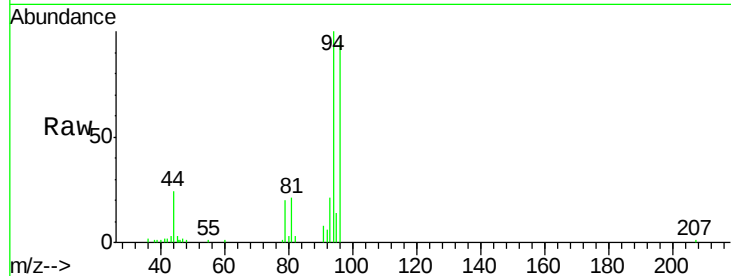
96 94.6 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

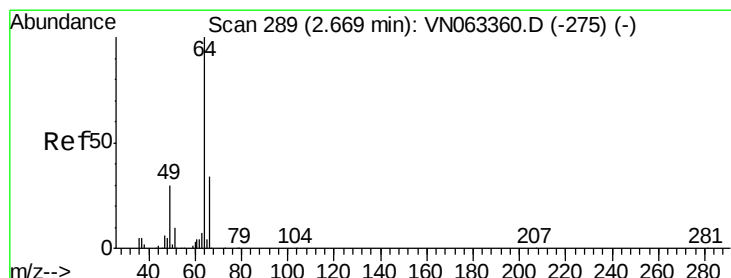
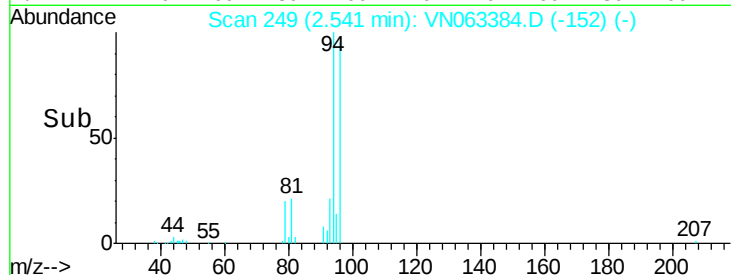
5000

0

Time-->

2.45 2.50 2.55 2.60

2.54



#6

Chloroethane

Concen: 18.072 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN063384.D

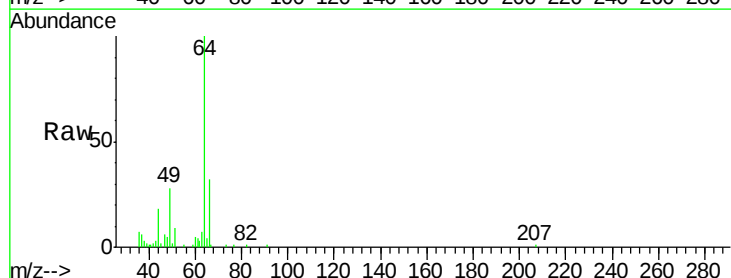
Acq: 16 Sep 2020 23:52

Tgt Ion: 64 Resp: 39749

Ion Ratio Lower Upper

64 100

66 31.5 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

15000

10000

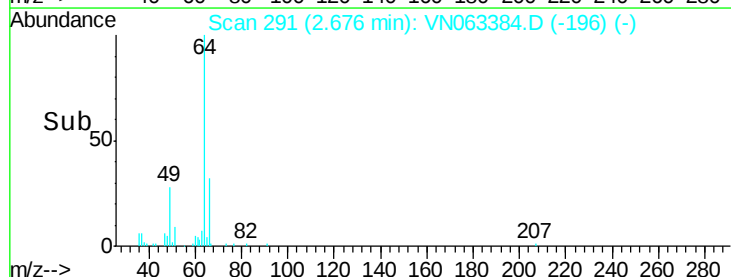
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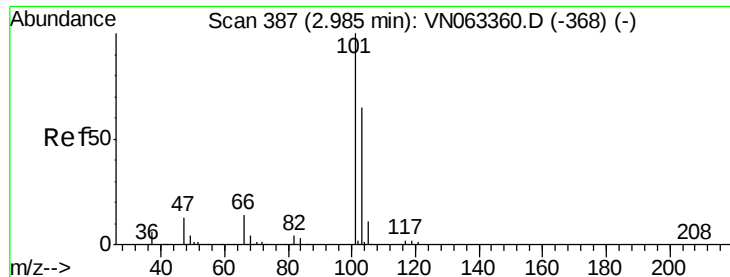
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Time-->

2.60 2.65 2.70 2.75

2.68





#7

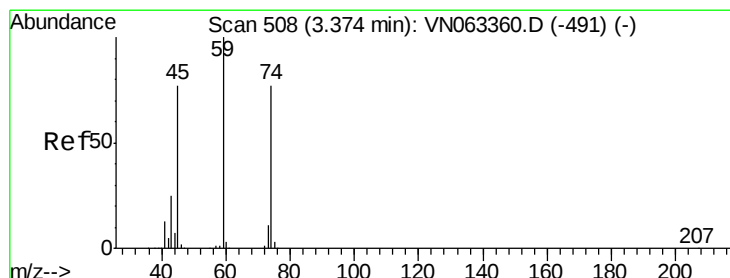
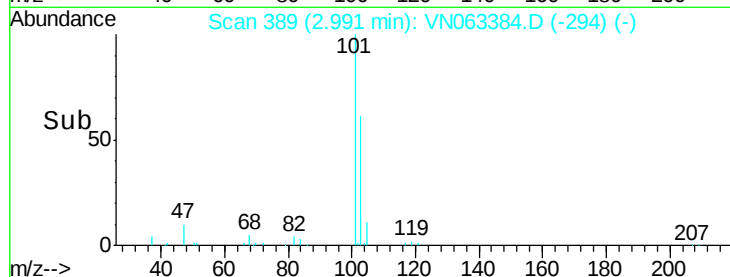
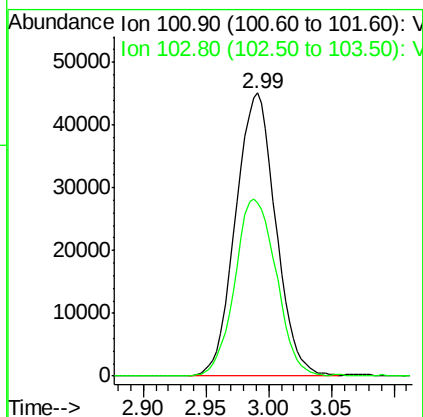
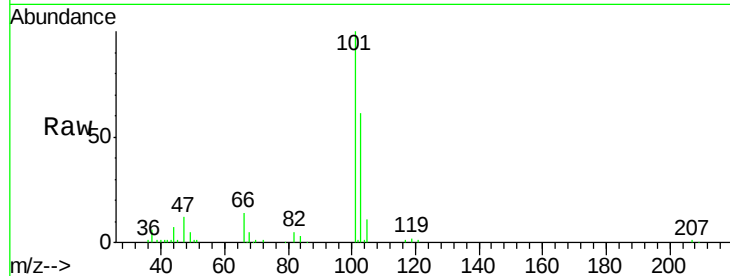
Trichlorofluoromethane
Concen: 18.756 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN063384.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	52.3	78.5

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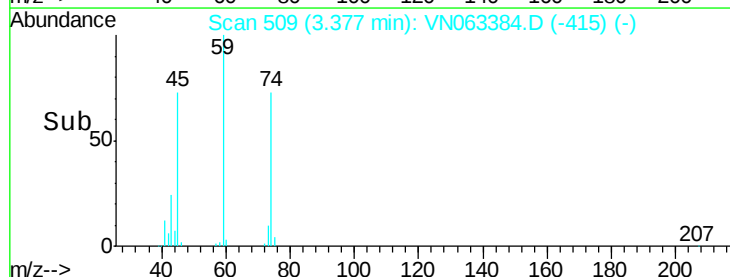
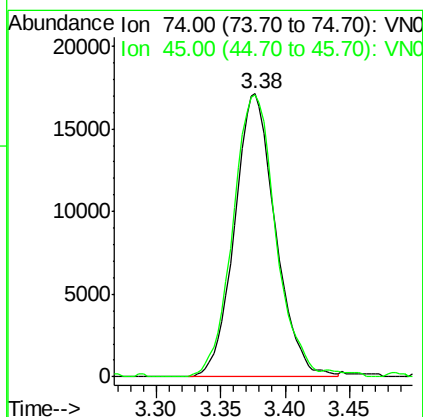
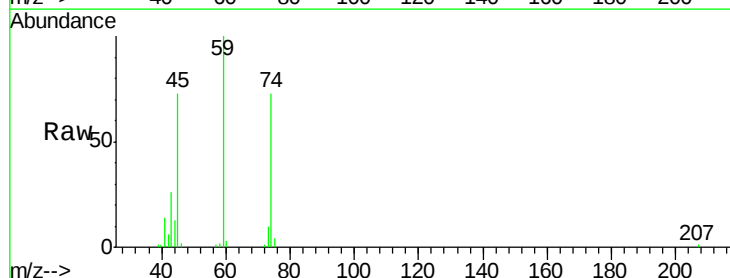
MMDadoda
9/17/2020 1:44:09 PM

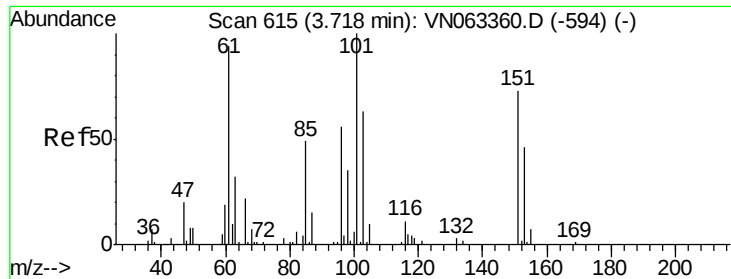


#8

Diethyl Ether
Concen: 18.145 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.192 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

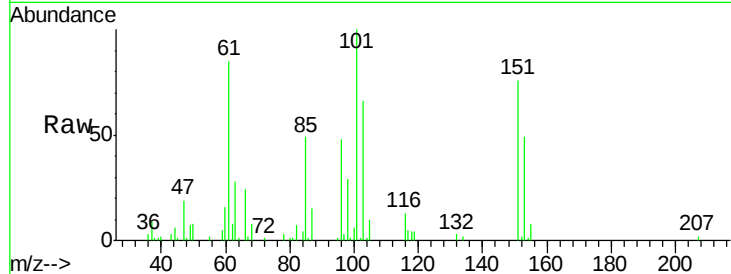
ClientSampleId :

VN0916WBSD02

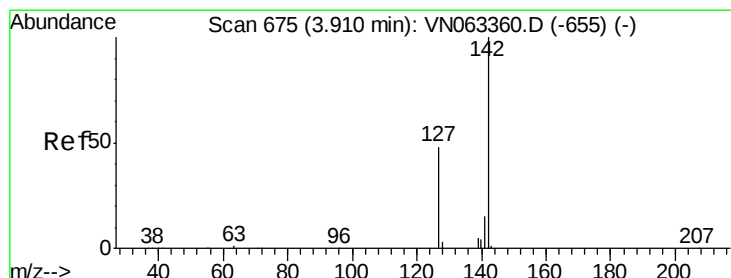
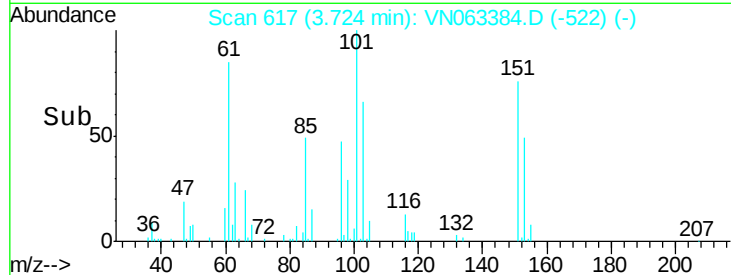
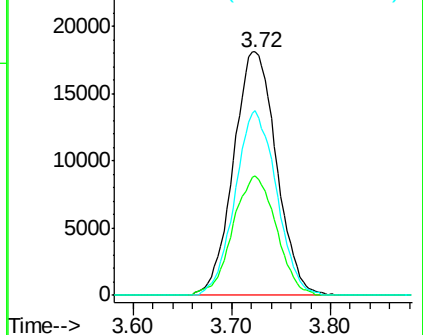
Tot Ion:	101	Resp:	54694
Ion Ratio	Lower	Upper	
101	100		
85	49.5	37.7	56.5
151	73.2	57.7	86.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.142 ug/l

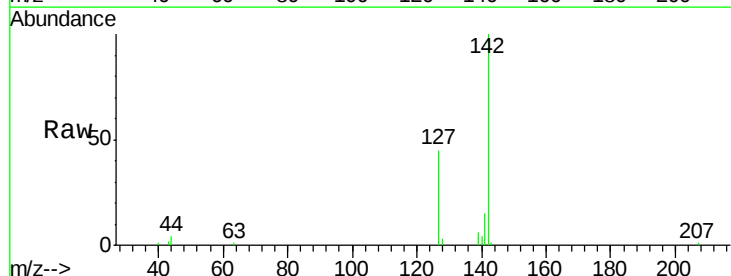
RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

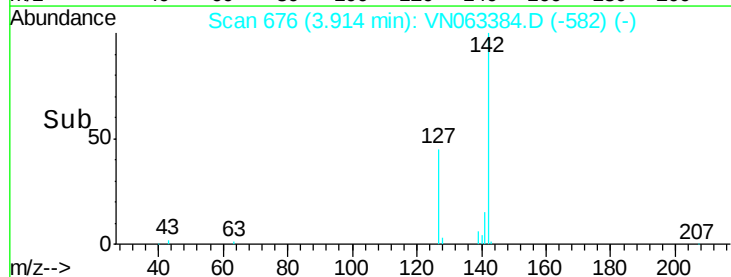
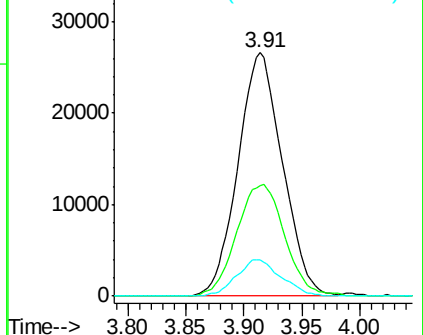
Lab File: VN063384.D

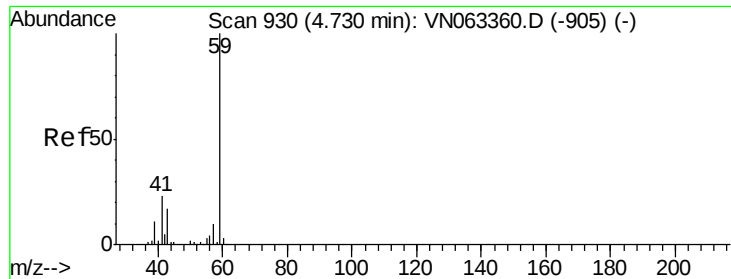
Acq: 16 Sep 2020 23:52

Tgt Ion:	142	Resp:	71010
Ion Ratio	Lower	Upper	
142	100		
127	49.4	39.0	58.6
141	15.0	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





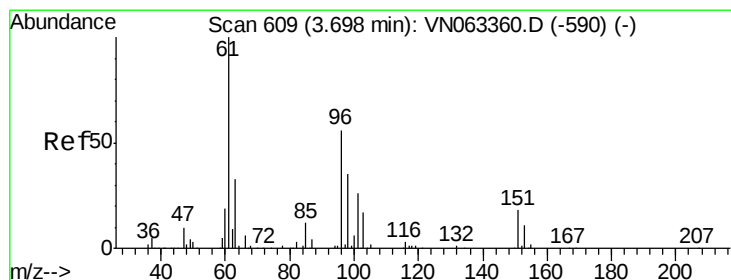
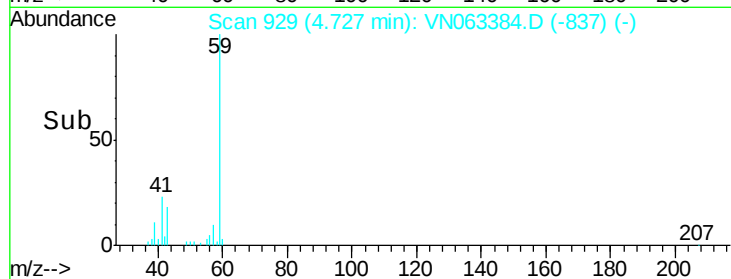
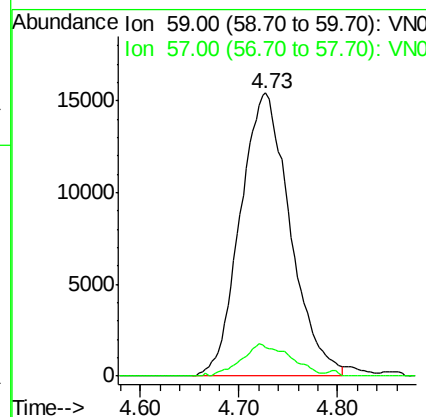
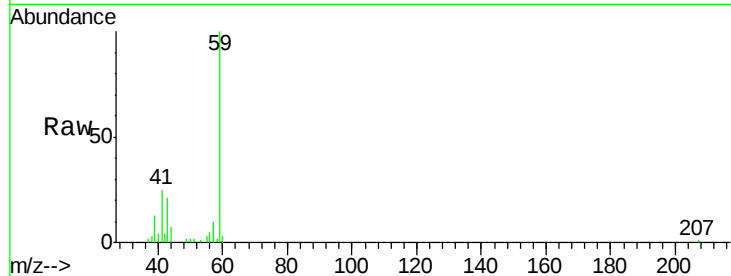
#11
Tert butyl alcohol
Concen: 84.790 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.4	12.6

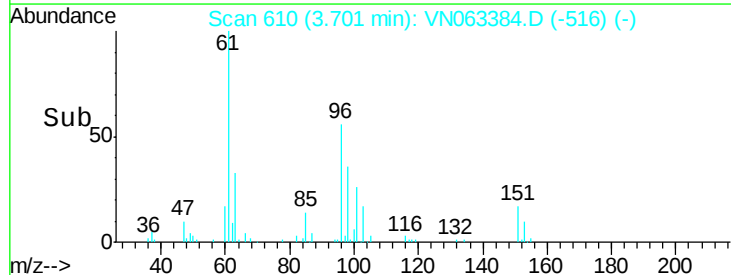
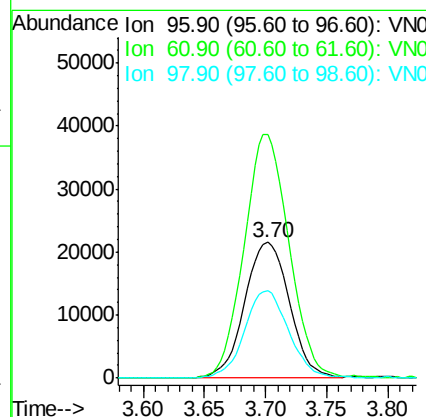
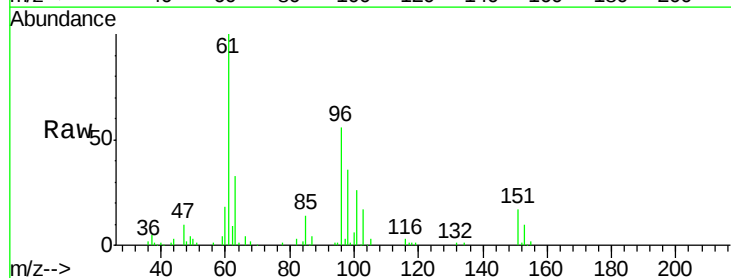
Manual Integrations
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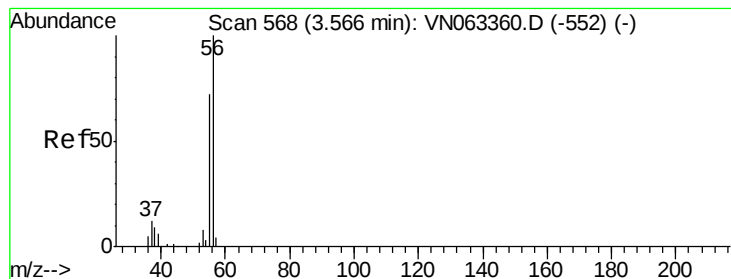
MMDadoda
9/17/2020 1:44:09 PM



#12
1,1-Dichloroethene
Concen: 17.988 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.6	143.4	215.2
98	64.3	50.6	76.0





#13

Acrolein

Concen: 139.773 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD02

Tot Ion: 56 Resp: 32962

Ion Ratio Lower Upper

56 100

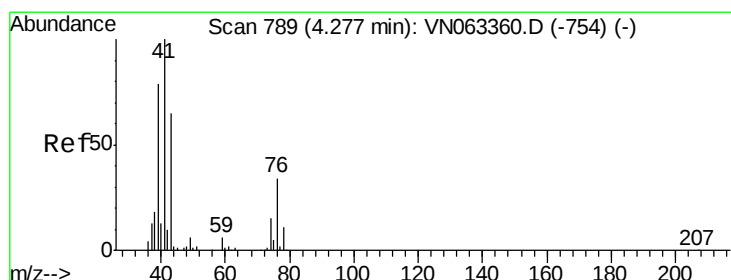
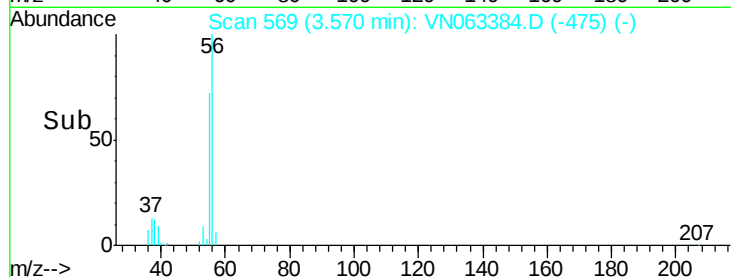
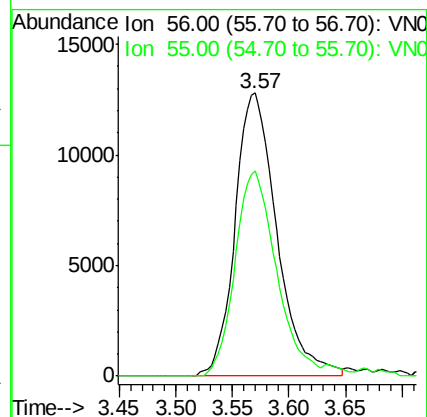
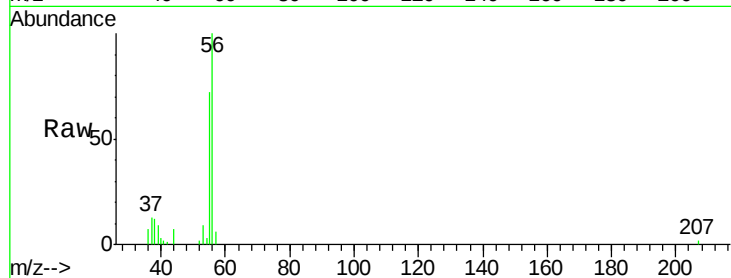
55 71.3 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 17.787 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

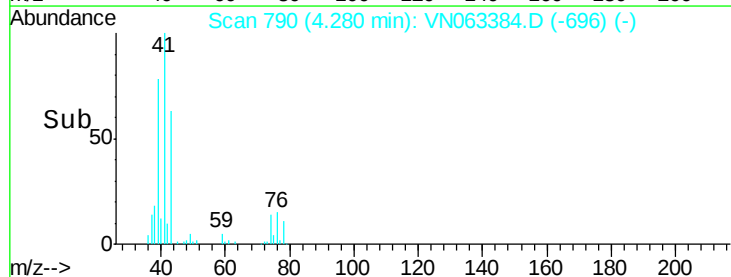
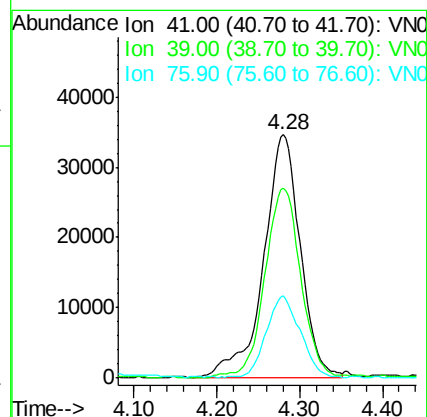
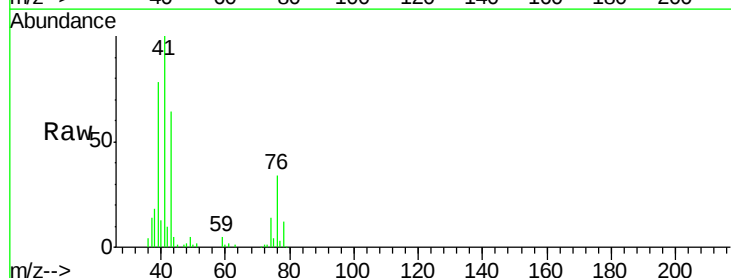
Tgt Ion: 41 Resp: 107138

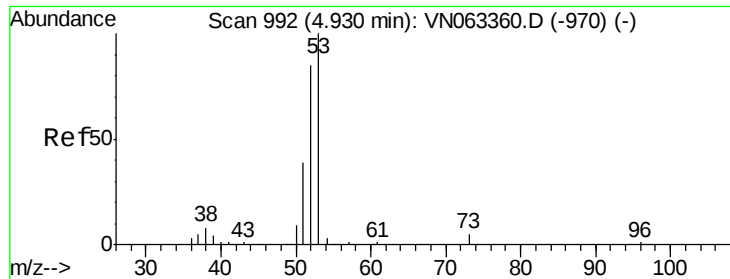
Ion Ratio Lower Upper

41 100

39 76.4 59.3 88.9

76 31.2 25.3 37.9





#15

Acrylonitrile

Concen: 90.062 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

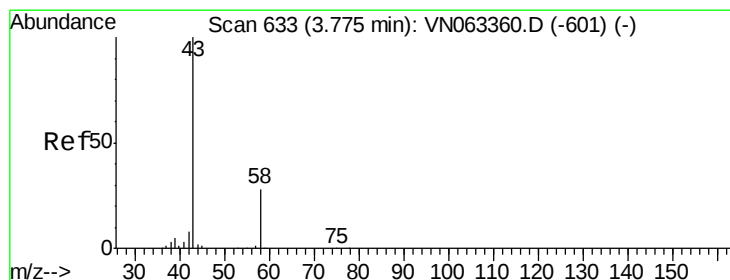
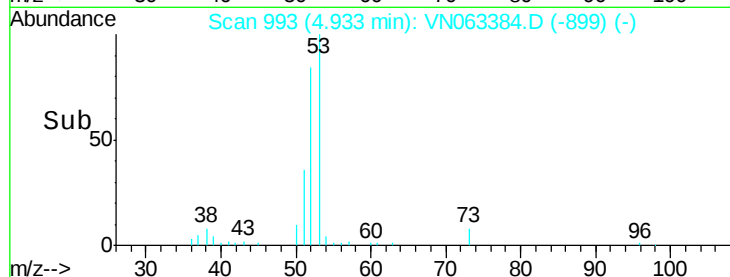
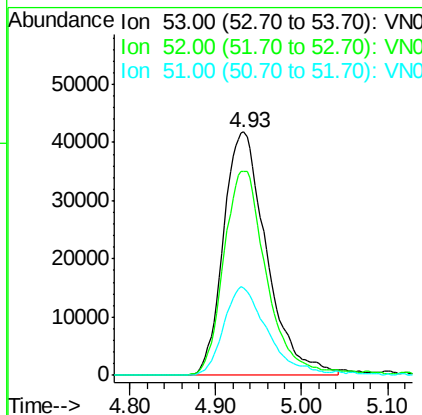
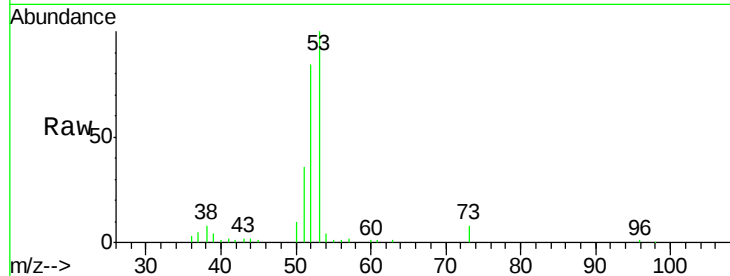
ClientSampleId :

VN0916WBSD02

Tot Ion:	53	Resp:	145782
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.8	30.2	45.4

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#16

Acetone

Concen: 90.997 ug/l

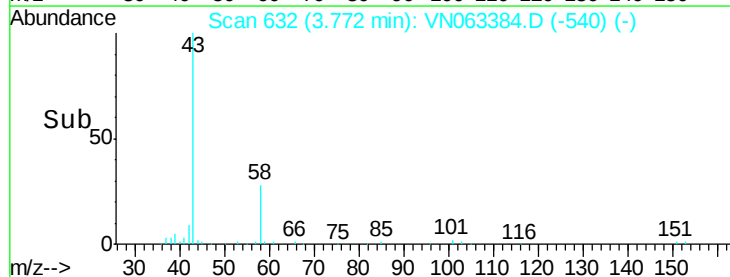
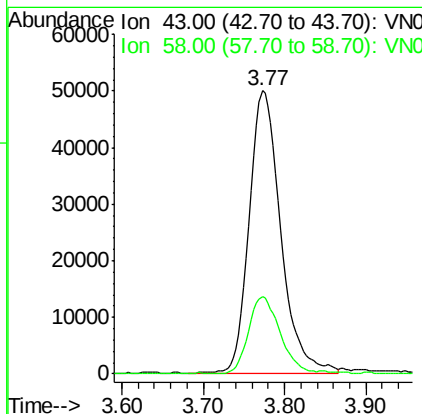
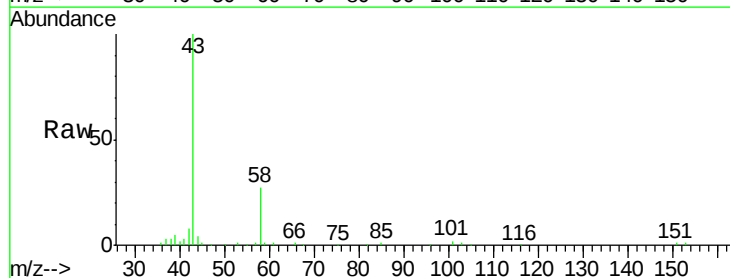
RT: 3.77 min Scan# 632

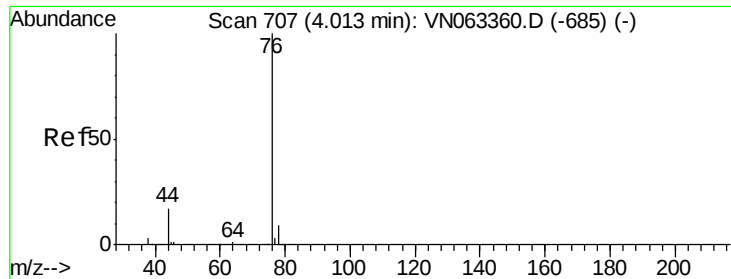
Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Tgt Ion:	43	Resp:	134336
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.3	33.5





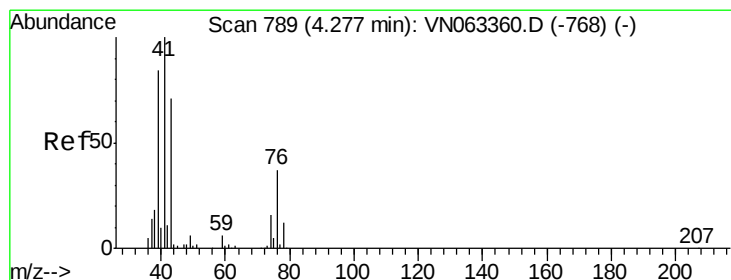
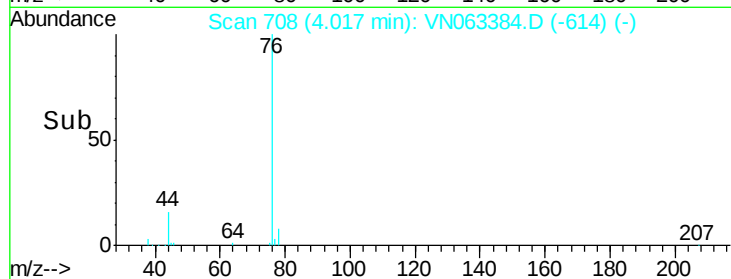
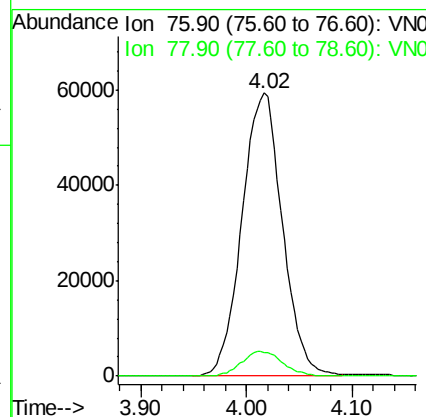
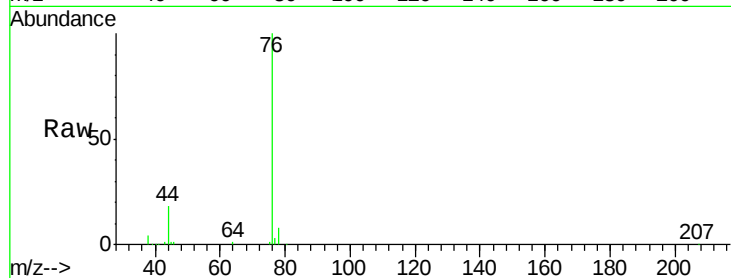
#17
Carbon Disulfide
Concen: 17.867 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion: 76 Resp: 158259
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8

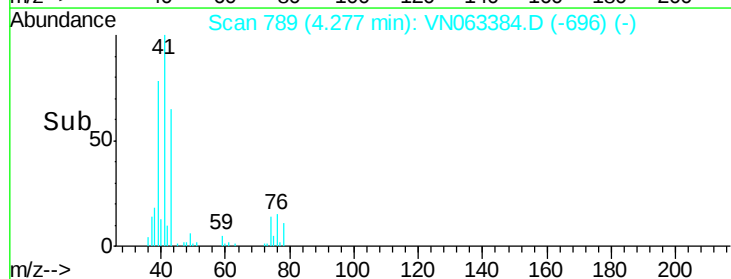
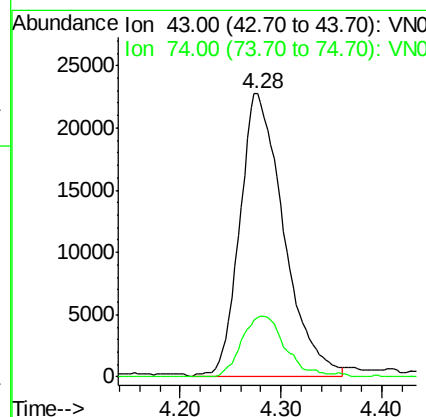
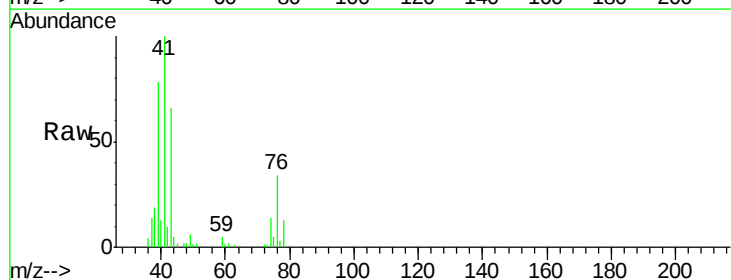
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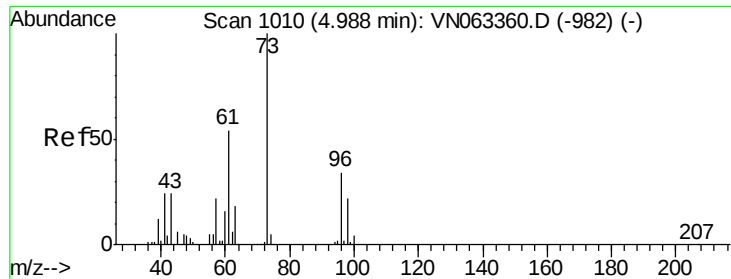
MMDadoda
9/17/2020 1:44:09 PM



#18
Methyl Acetate
Concen: 18.449 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion: 43 Resp: 69143
Ion Ratio Lower Upper
43 100
74 21.1 17.4 26.2





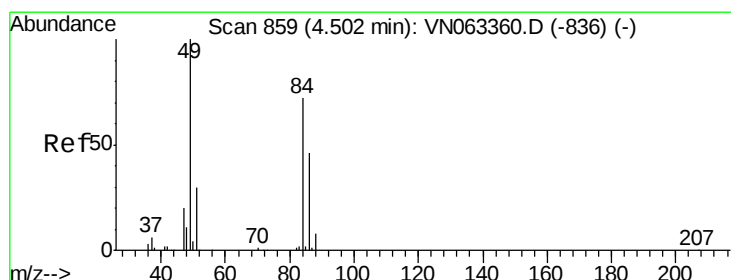
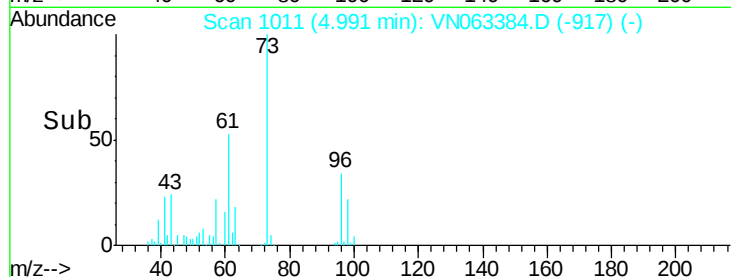
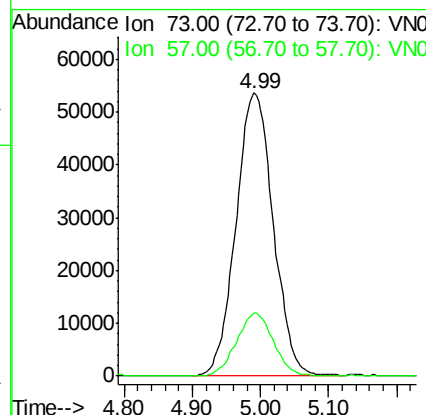
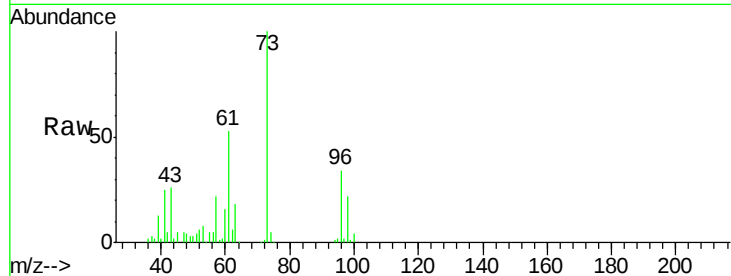
#19
Methvl tert-butvl Ether
Concen: 17.940 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion: 73 Resp: 203613
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

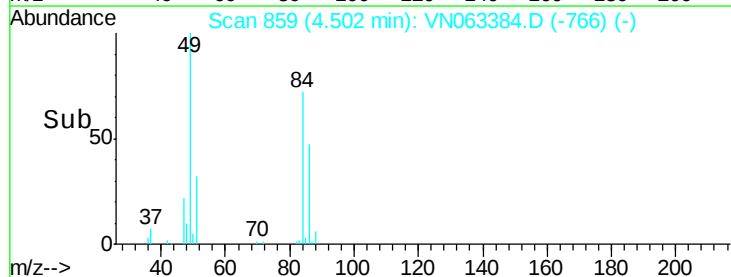
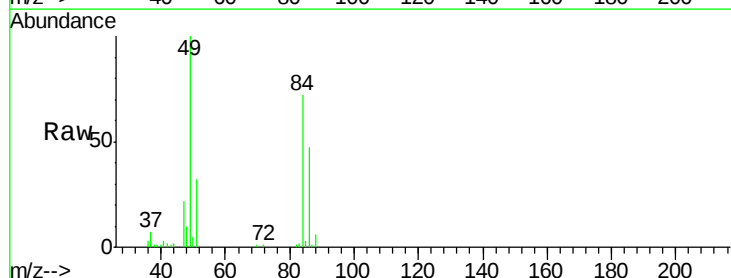
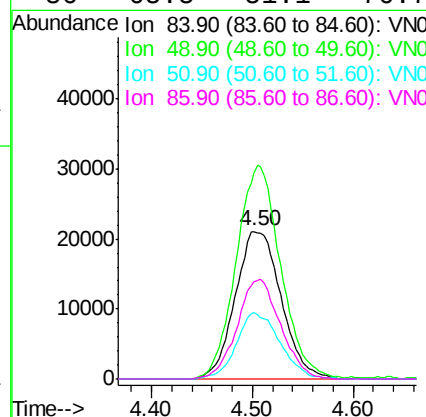
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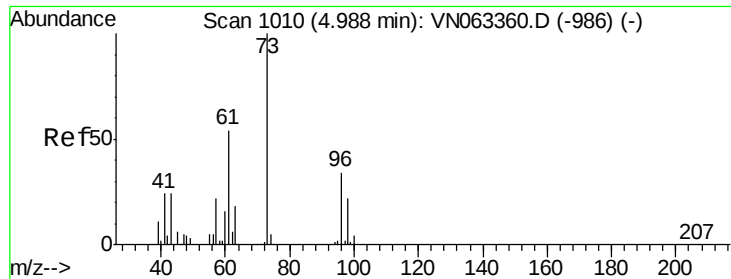
MMDadoda
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#20
Methylene Chloride
Concen: 17.790 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion: 84 Resp: 66540
Ion Ratio Lower Upper
84 100
49 139.4 110.7 166.1
51 44.7 32.9 49.3
86 65.5 51.1 76.7





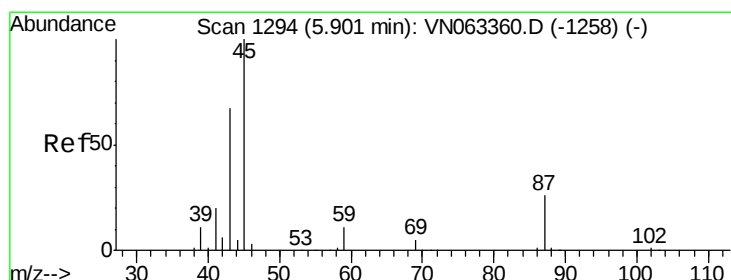
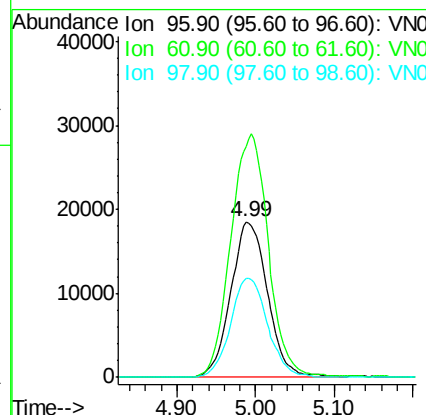
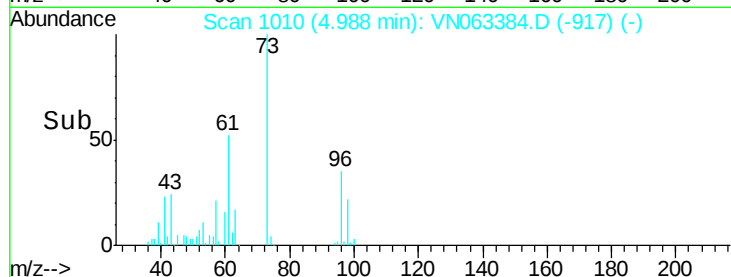
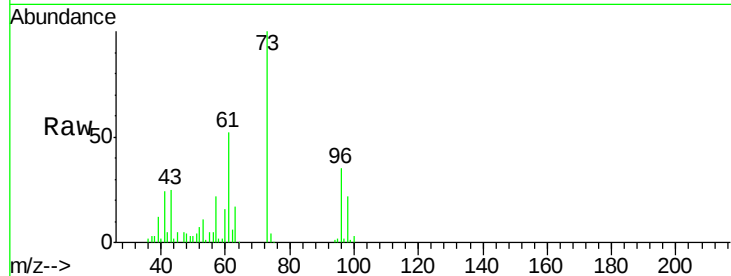
#21
trans-1,2-Dichloroethene
Concen: 17.875 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.3	126.2	189.4
98	63.4	51.0	76.4

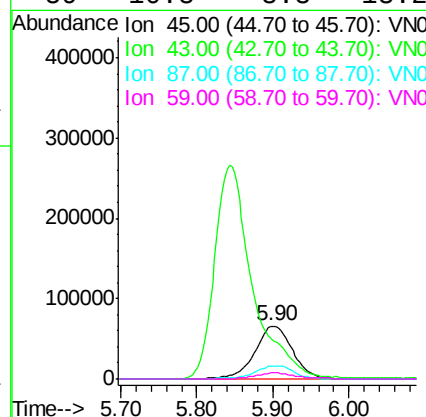
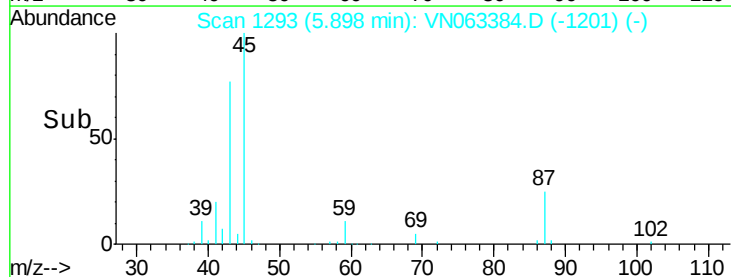
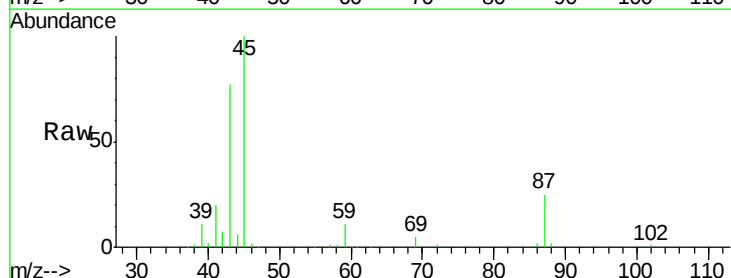
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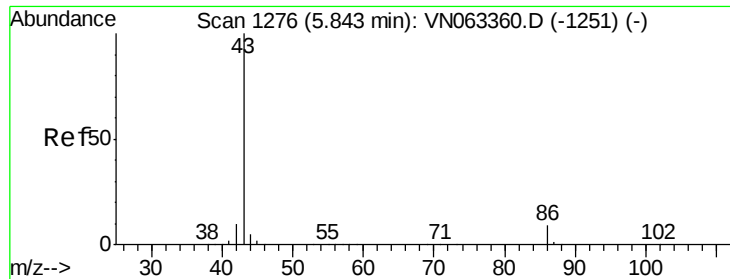
MMDadoda
9/17/2020 1:44:09 PM



#22
Diisopropyl ether
Concen: 18.405 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.3	53.5	80.3
87	24.8	21.2	31.8
59	10.8	8.8	13.2





#23

Vinyl Acetate

Concen: 91.595 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD02

Tot Ion: 43 Resp: 924098

Ion Ratio Lower Upper

43 100

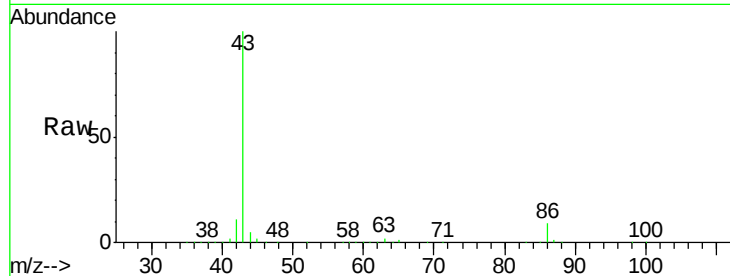
86 9.1 7.1 10.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

250000

200000

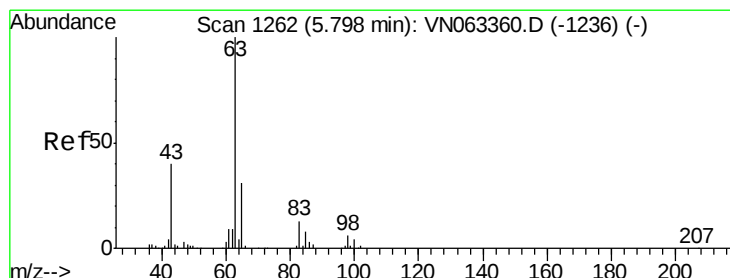
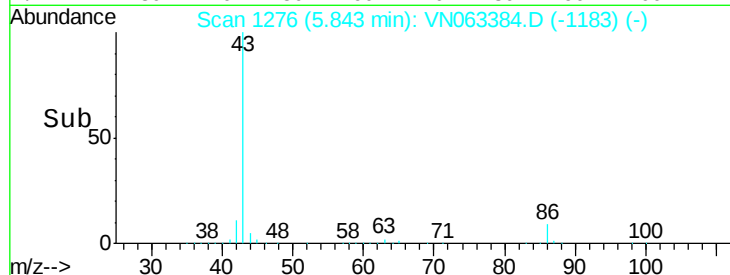
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.500 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

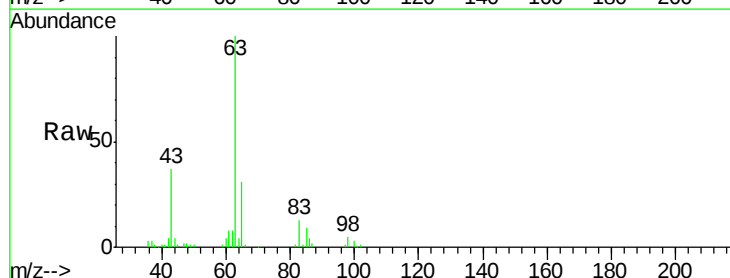
Tgt Ion: 63 Resp: 124075

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.8

100 2.6 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

40000

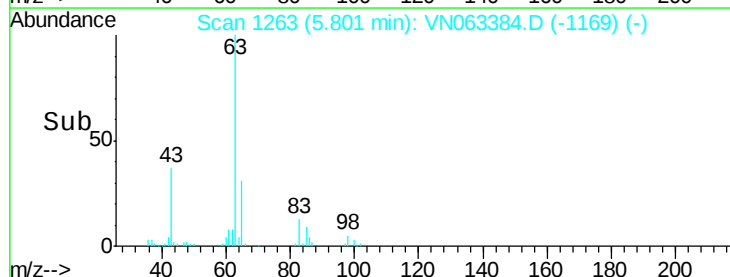
30000

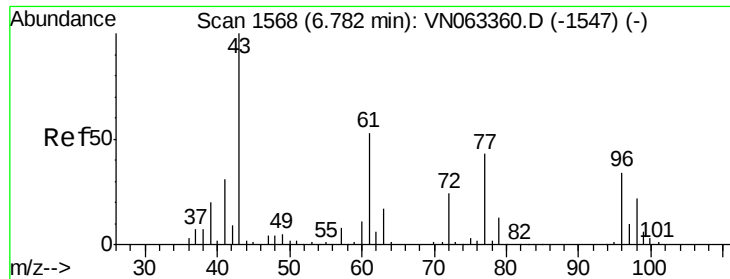
20000

10000

0

Time-->





#25

2-Butanone

Concen: 88.175 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD02

Tot Ion: 43 Resp: 200199

Ion Ratio Lower Upper

43 100

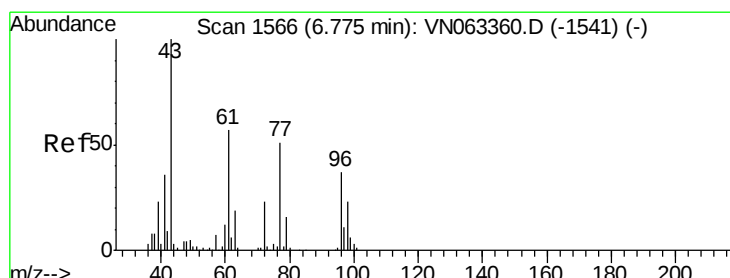
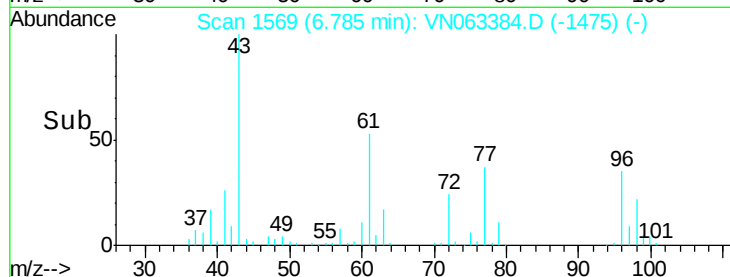
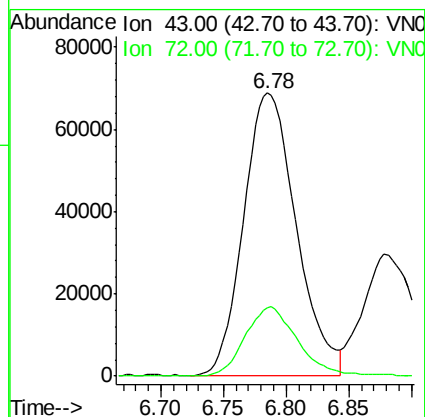
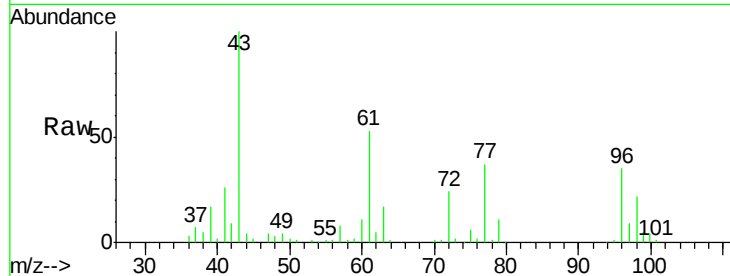
72 24.2 19.2 28.8

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#26

2,2-Dichloropropane

Concen: 14.931 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063384.D

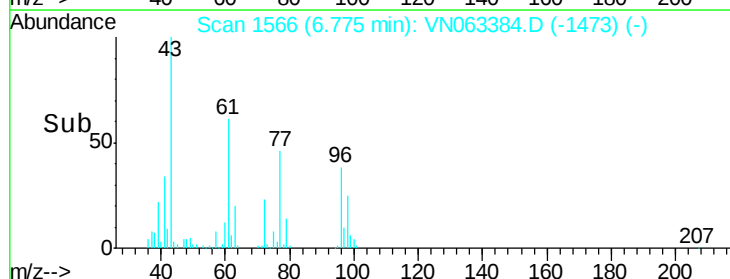
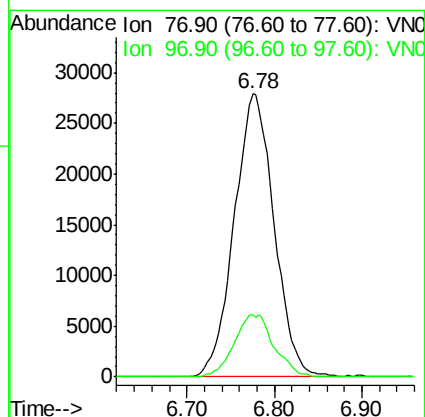
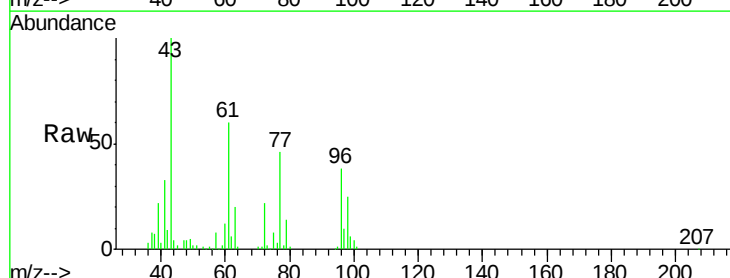
Acq: 16 Sep 2020 23:52

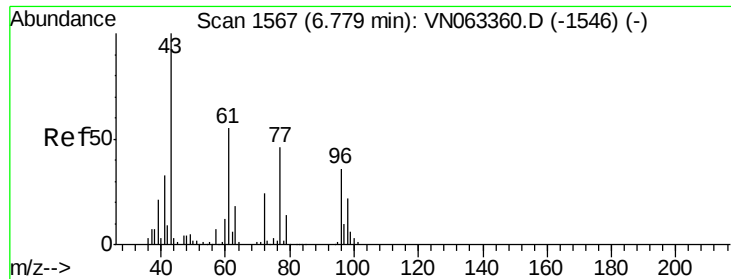
Tgt Ion: 77 Resp: 88170

Ion Ratio Lower Upper

77 100

97 21.8 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 18.820 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063384.D

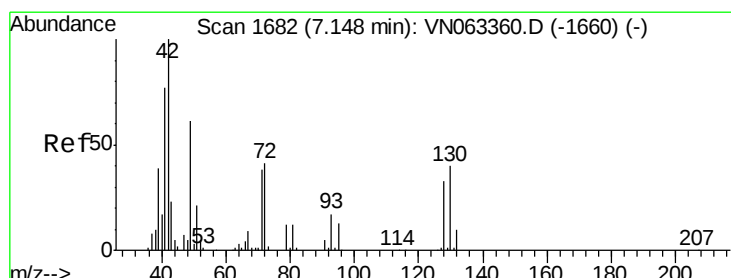
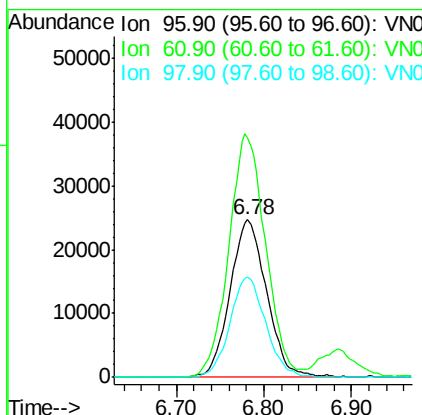
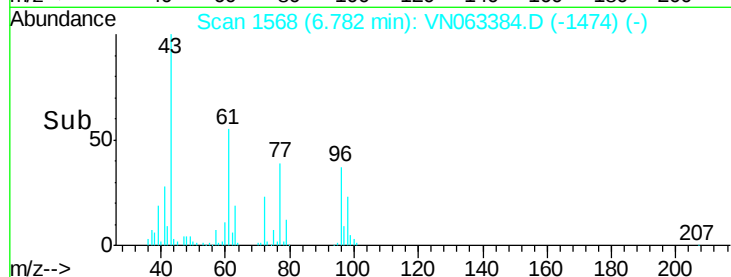
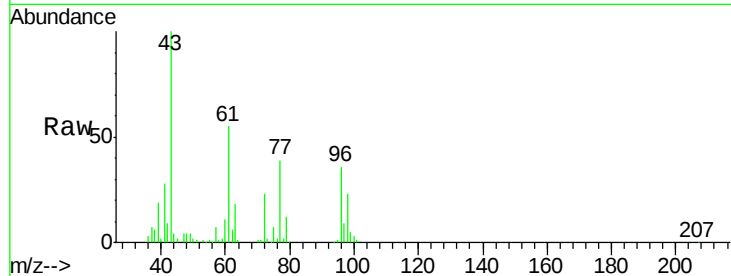
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	319.6
98	62.2	0.0	127.8

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#28

Bromochloromethane

Concen: 19.317 ug/l

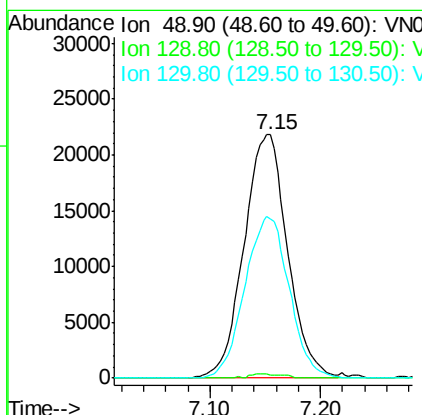
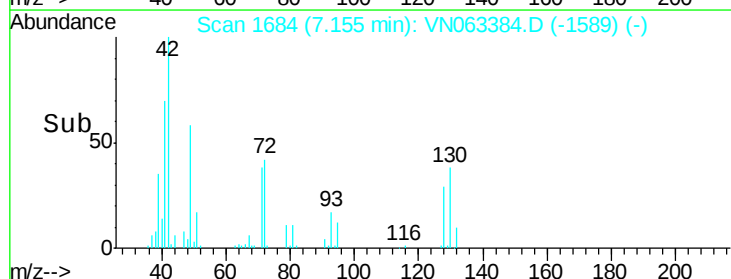
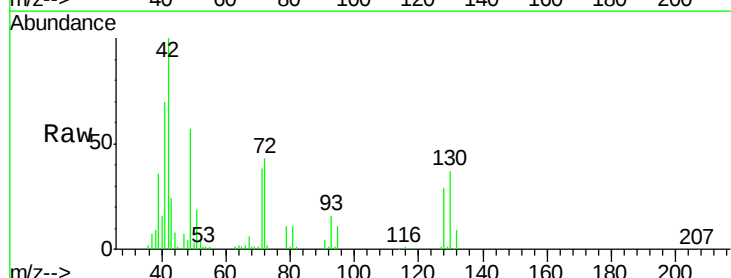
RT: 7.15 min Scan# 1684

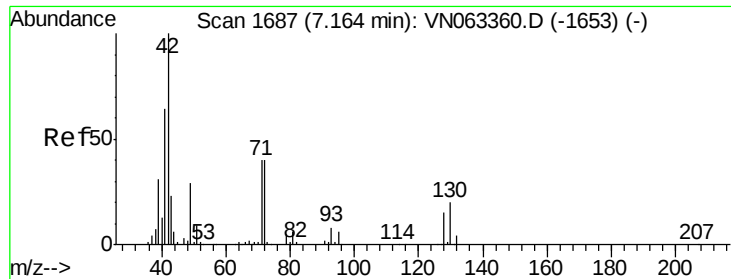
Delta R.T. 0.01 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	67.5	52.2	78.2





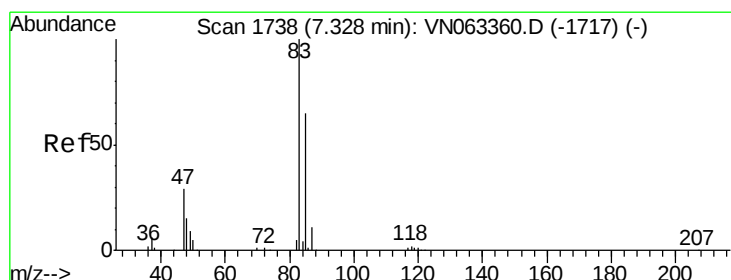
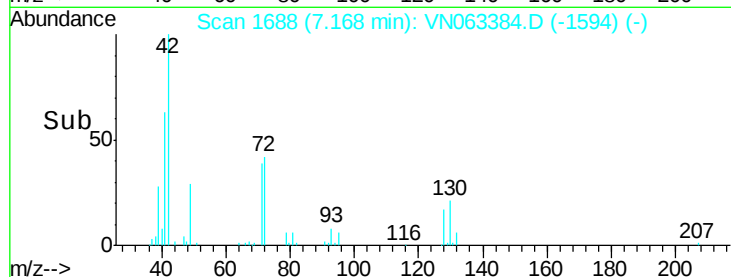
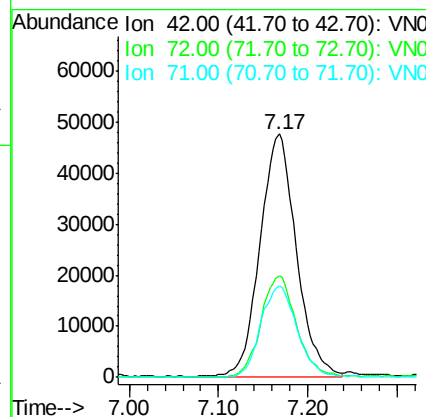
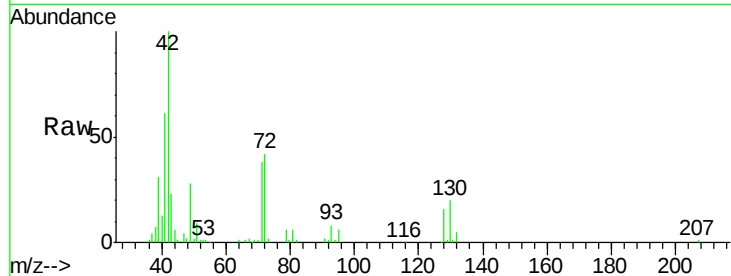
#29
Tetrahydrofuran
Concen: 87.726 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.1	48.1
71	37.4	31.2	46.8

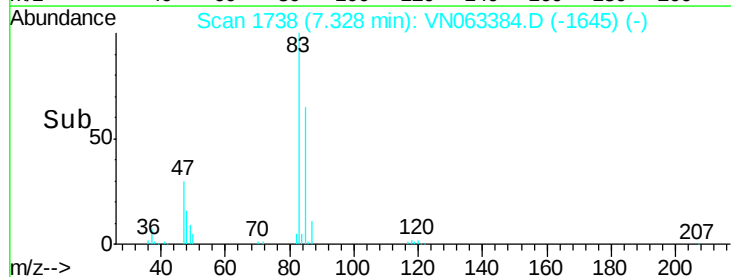
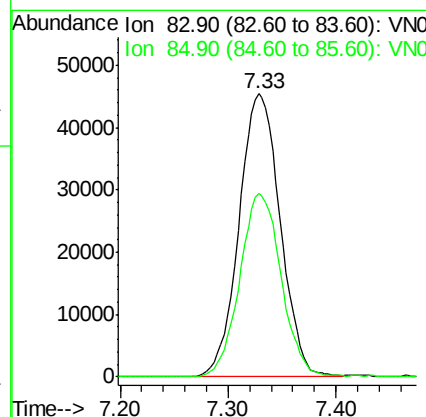
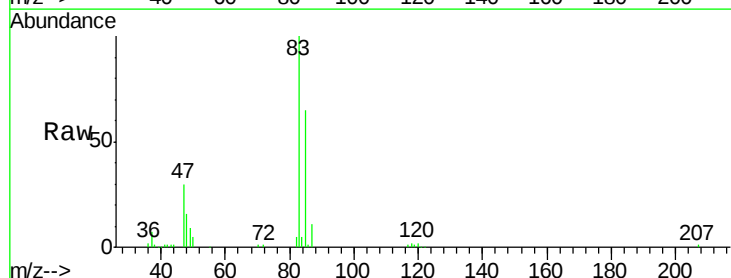
Manual Integrations
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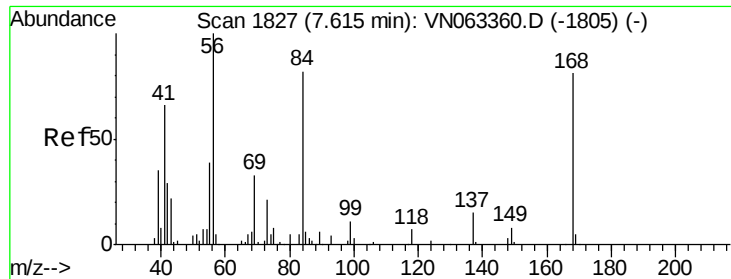
MMDadoda
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#30
Chloroform
Concen: 17.922 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.1	78.1





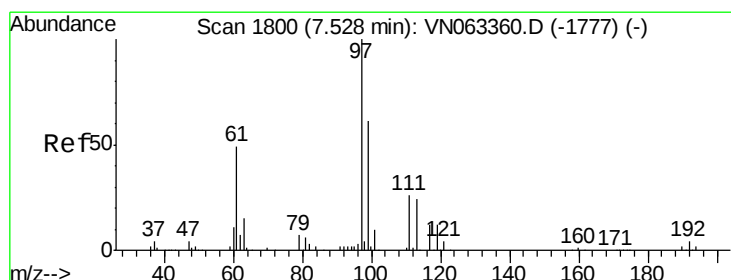
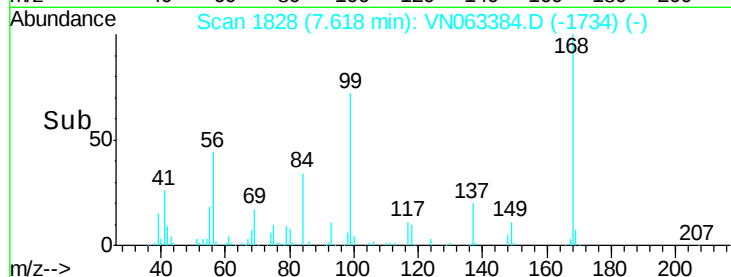
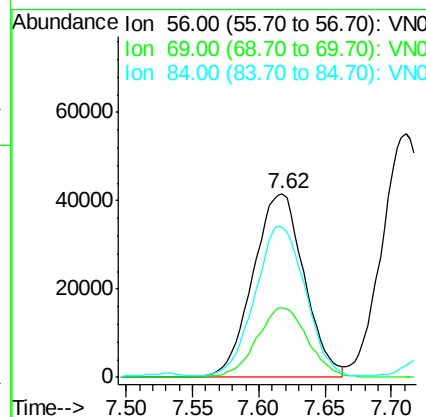
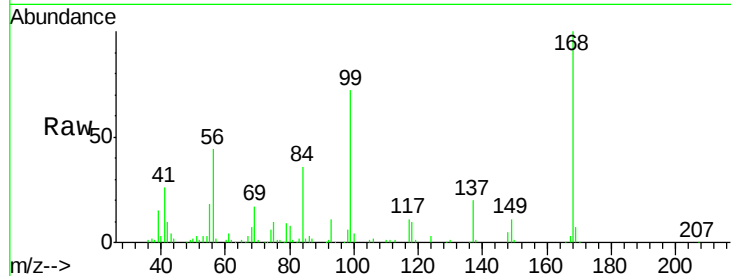
#31
Cvclohexane
Concen: 17.696 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
56	100	112268		
69	38.2	26.1	39.1	
84	80.4	65.4	98.2	

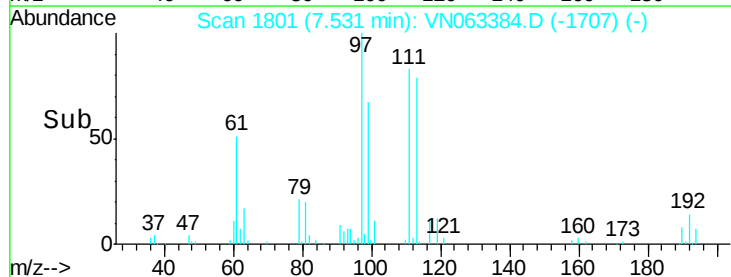
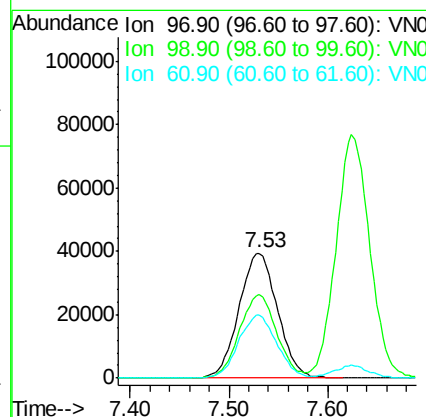
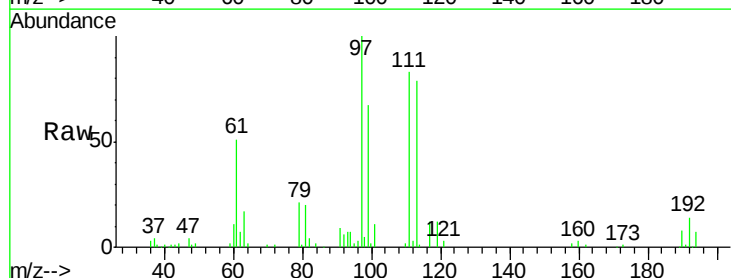
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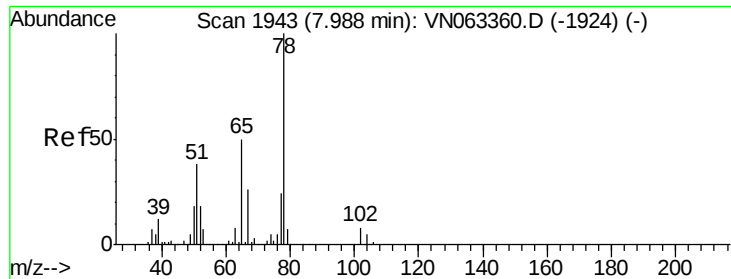
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#32
1,1,1-Trichloroethane
Concen: 17.826 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	106685		
99	65.1	50.6	76.0	
61	50.1	39.2	58.8	





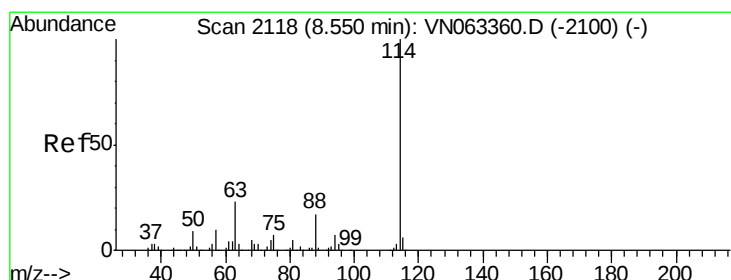
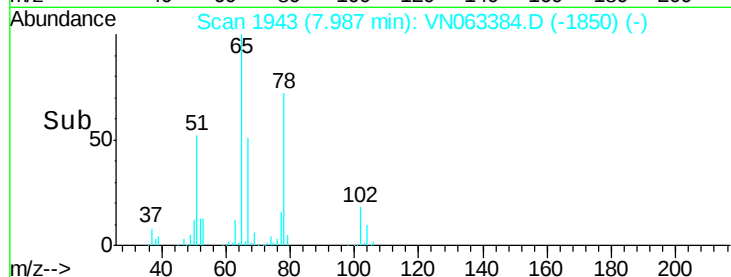
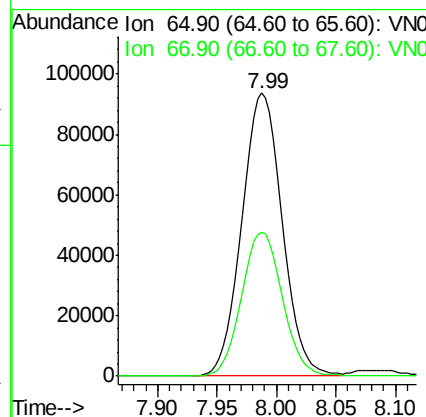
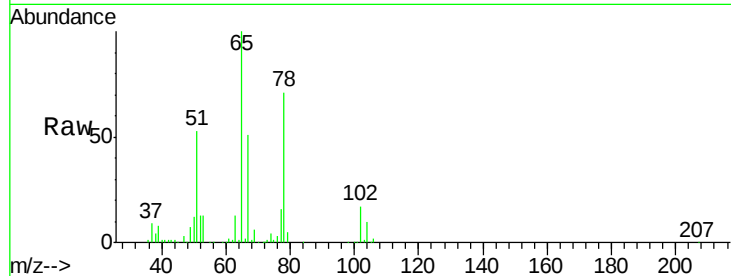
#33
 1,2-Dichloroethane-d4
 Concen: 48.064 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	220783		
67	51.4	0.0	104.2	

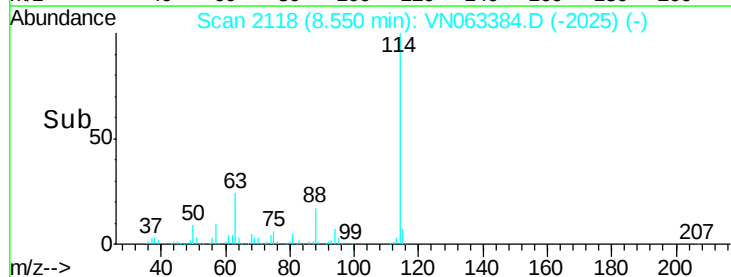
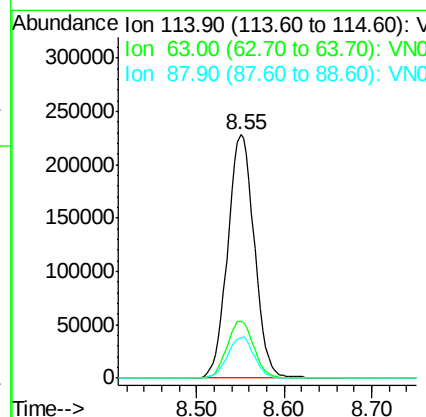
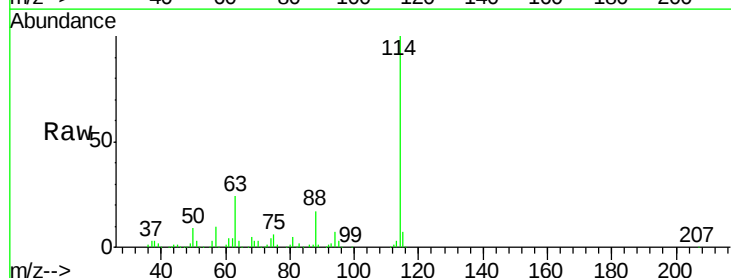
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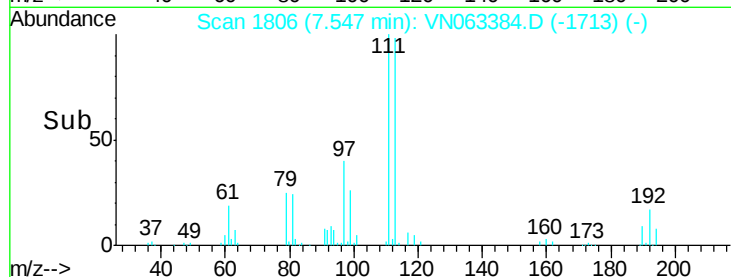
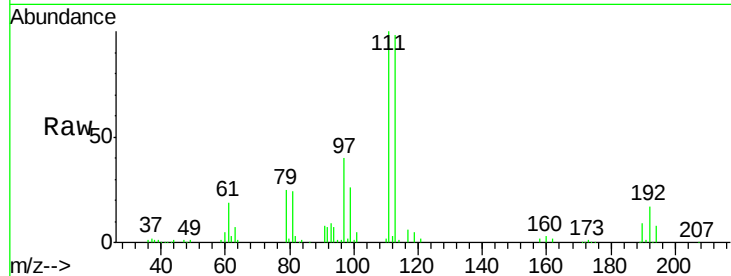
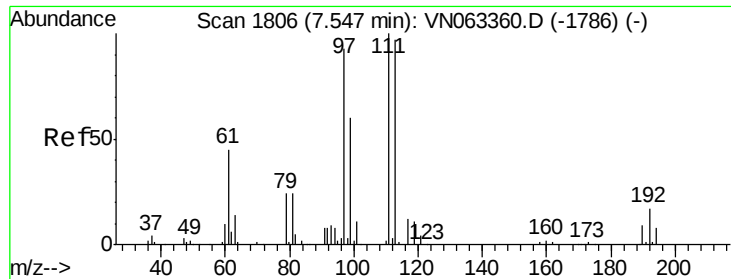
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	482921		
63	23.6	0.0	46.4	
88	16.7	0.0	33.2	





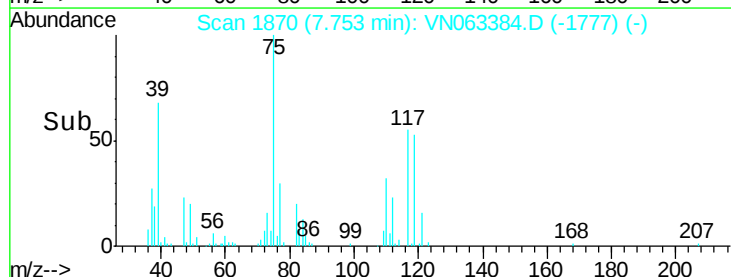
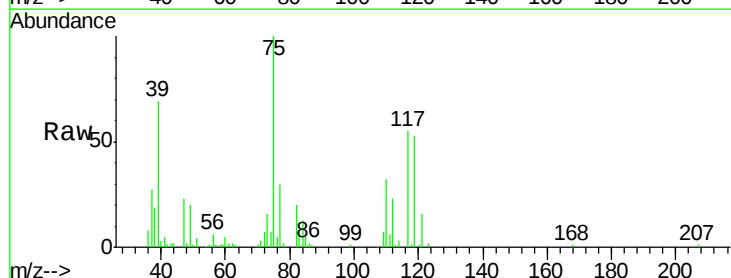
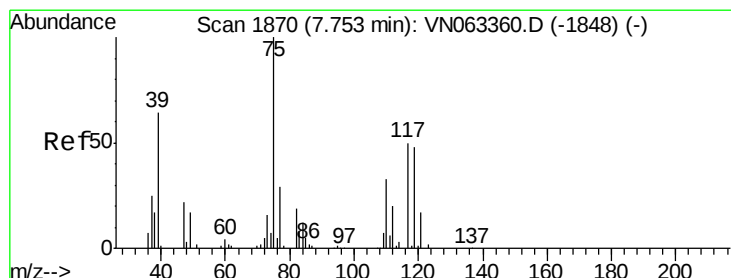
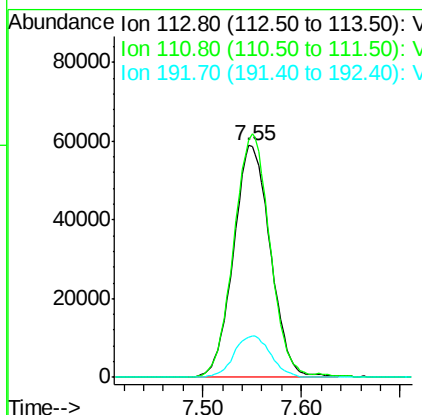
#35
Dibromofluoromethane
Concen: 45.788 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	82.9	124.3	
192	17.6	13.9	20.9	

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

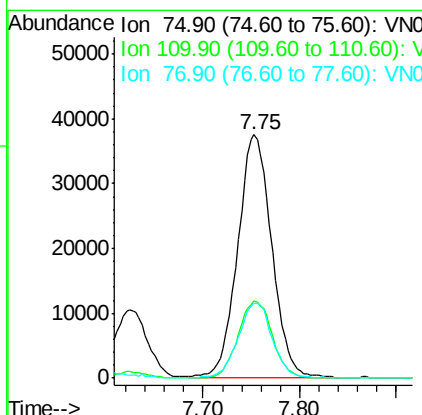
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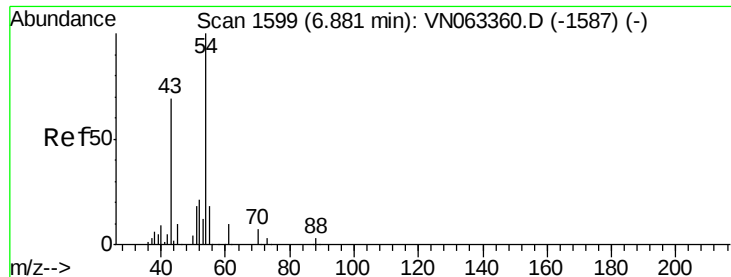
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#36
1,1-Dichloropropene
Concen: 17.935 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.7	16.5	49.5	
77	30.8	24.6	36.8	





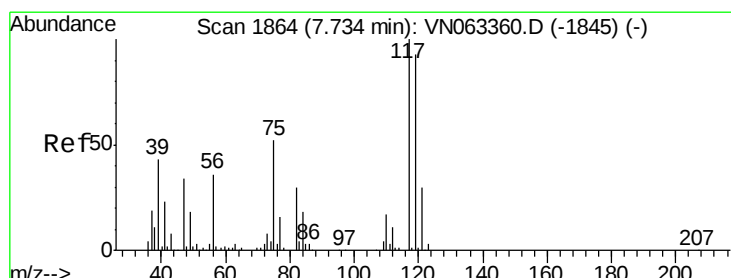
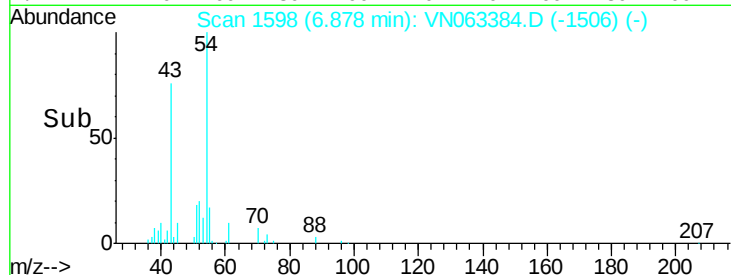
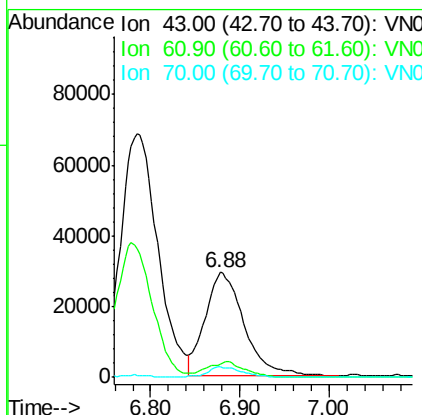
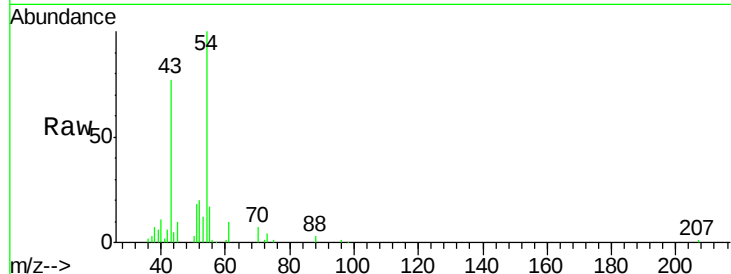
#37
Ethyl Acetate
Concen: 17.544 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	43	61	70
Resp	88588		
Ratio	100	13.5	9.0
Lower		10.6	7.2
Upper		15.8	10.8

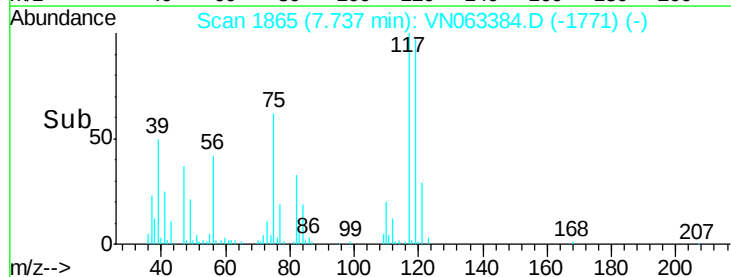
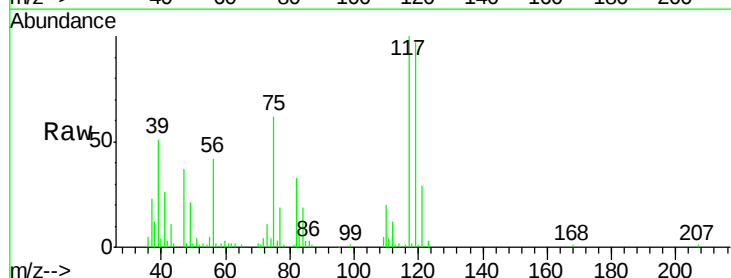
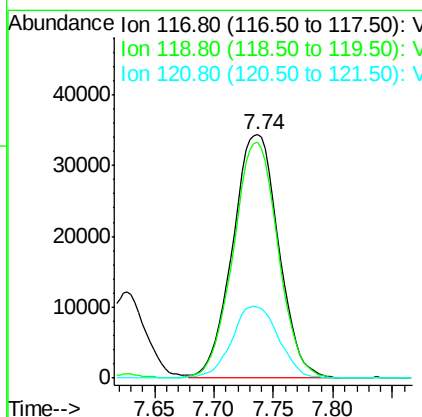
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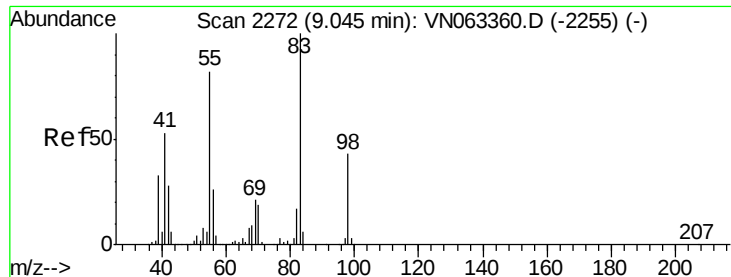
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#38
Carbon Tetrachloride
Concen: 17.527 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	117	119	121
Resp	92051		
Ratio	100	97.0	29.3
Lower		74.5	24.1
Upper		111.7	36.1





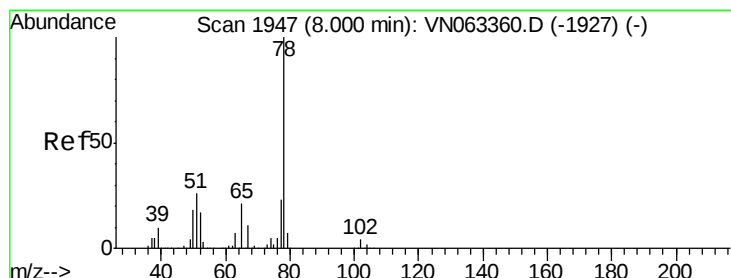
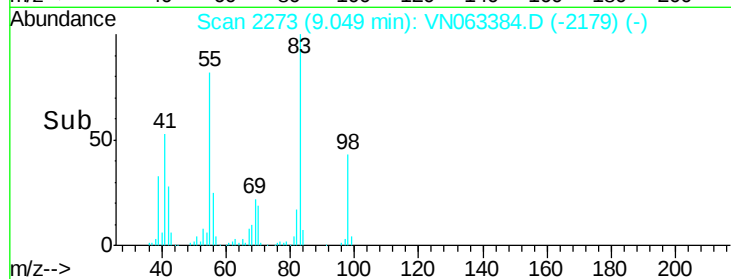
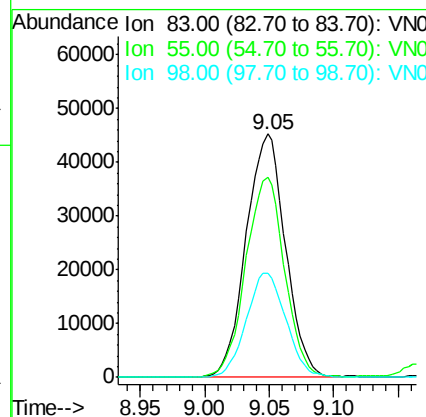
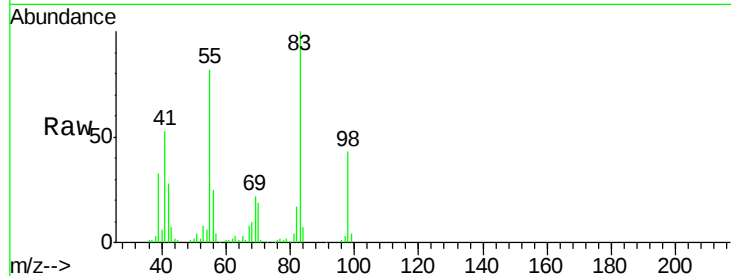
#39
Methvlcvclohexane
Concen: 17.239 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	65.5	98.3
98	42.7	34.2	51.4

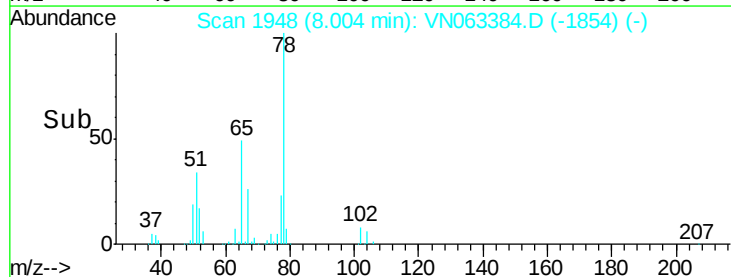
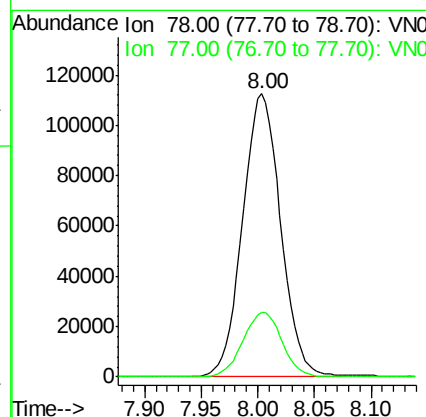
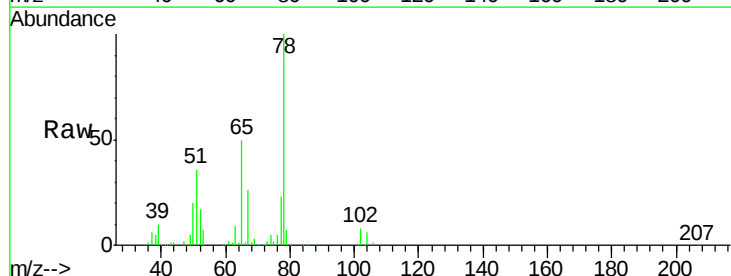
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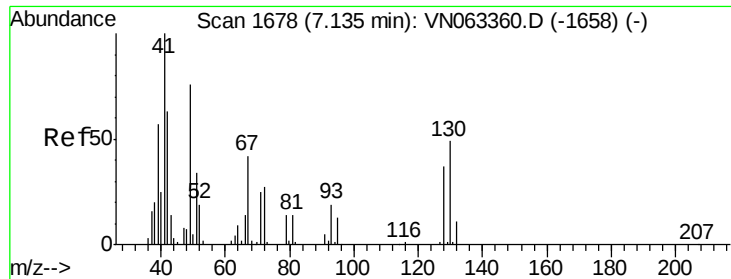
MMDadoda
9/17/2020 1:44:09 PM



#40
Benzene
Concen: 17.976 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.3	27.5





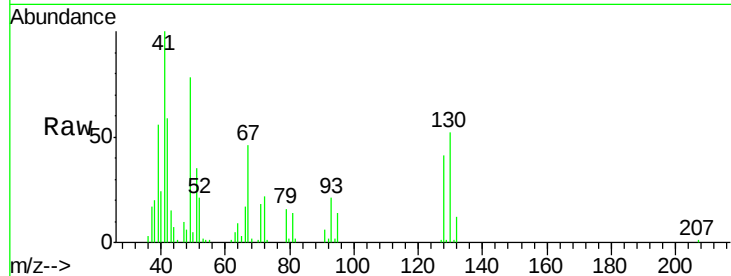
#41
Methacrylonitrile
Concen: 19.908 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	41	Resp	45212
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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9/17/2020 1:44:09 PM

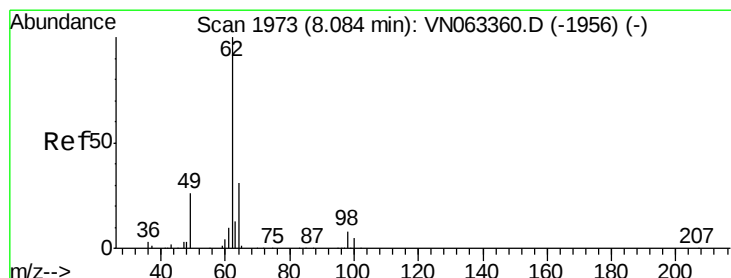
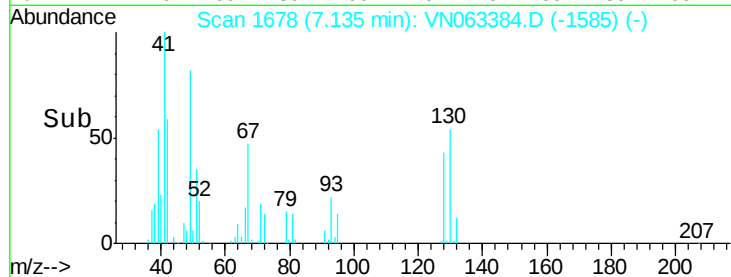
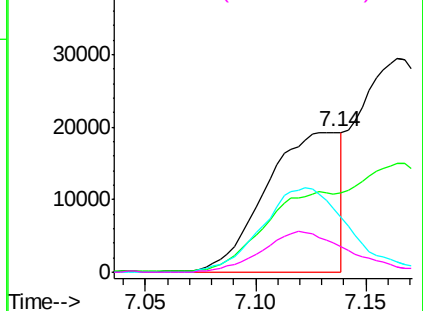


Abundance Ion 41.00 (40.70 to 41.70): VN063360.D (-1658) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-1658) (-)

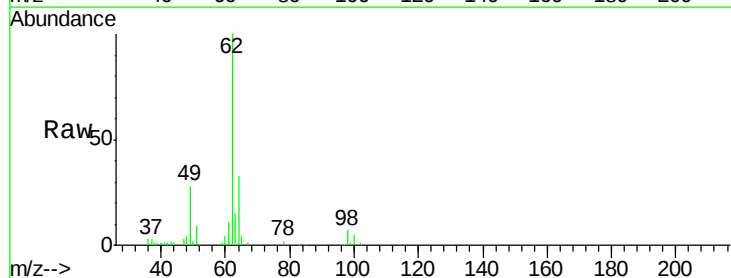
Ion 67.00 (66.70 to 67.70): VN063360.D (-1658) (-)

Ion 52.00 (51.70 to 52.70): VN063360.D (-1658) (-)



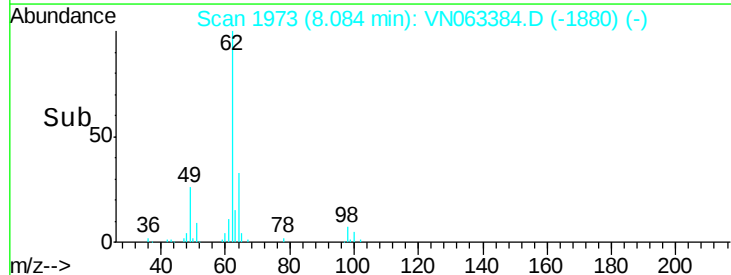
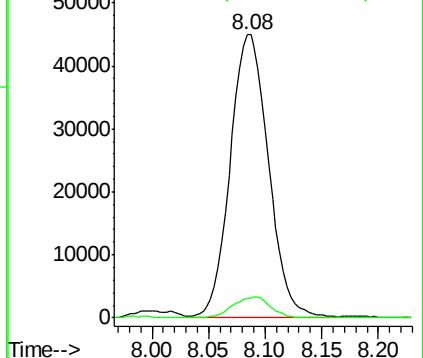
#42
1,2-Dichloroethane
Concen: 17.733 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

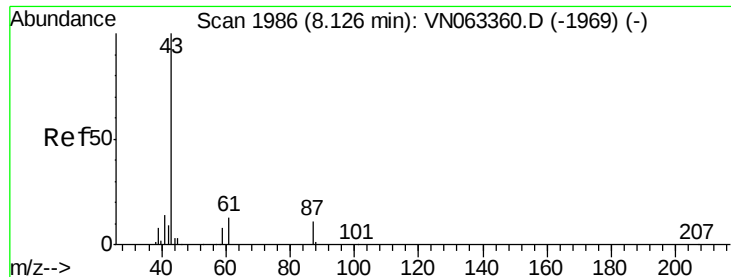
Tgt Ion	62	Resp	104735
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VN063360.D (-1956) (-)

Ion 97.90 (97.60 to 98.60): VN063360.D (-1956) (-)





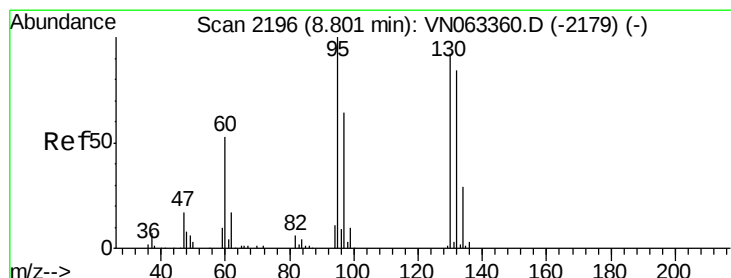
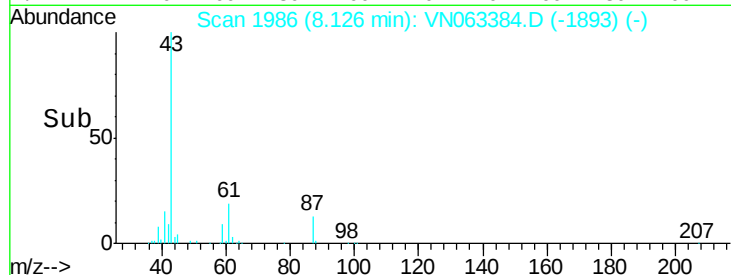
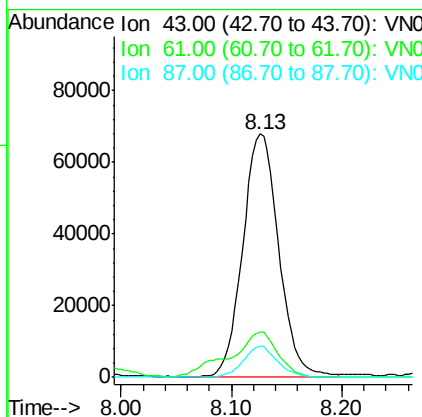
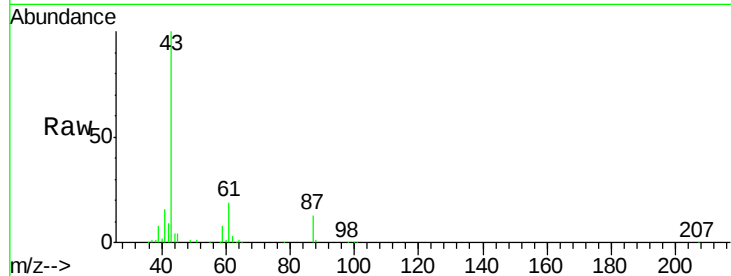
#43
Isopropyl Acetate
Concen: 17.065 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.4	14.2	21.2
87	11.9	9.0	13.6

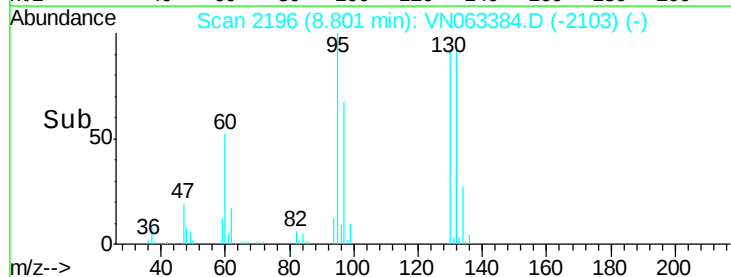
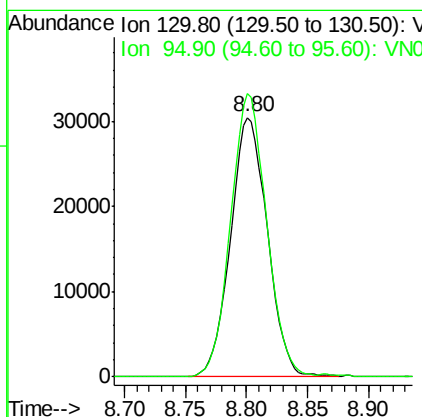
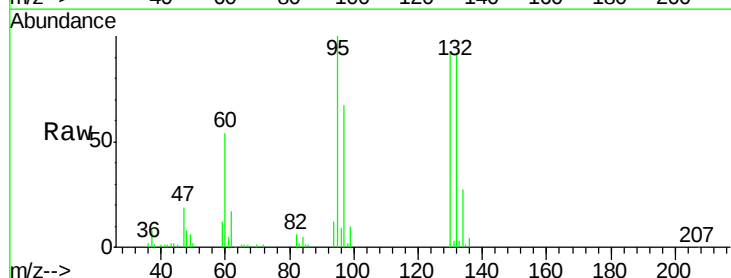
Manual Integrations
APPROVED

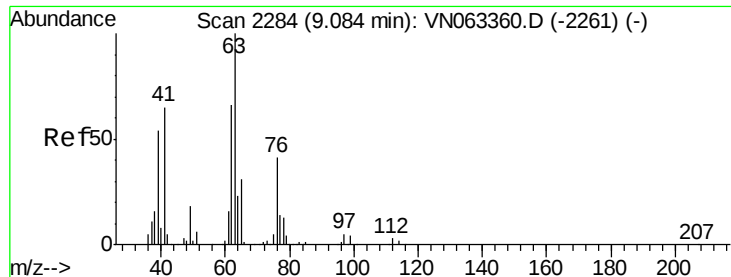
MMDadoda
9/17/2020 1:44:09 PM



#44
Trichloroethene
Concen: 17.908 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.1	0.0	217.4





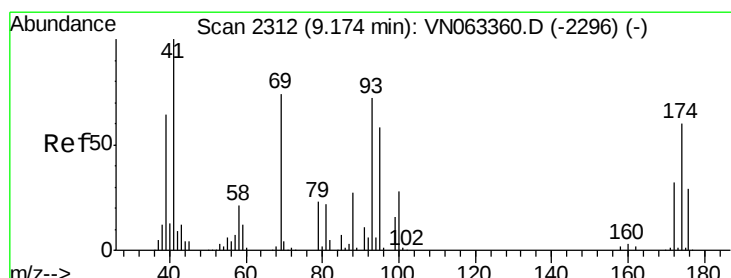
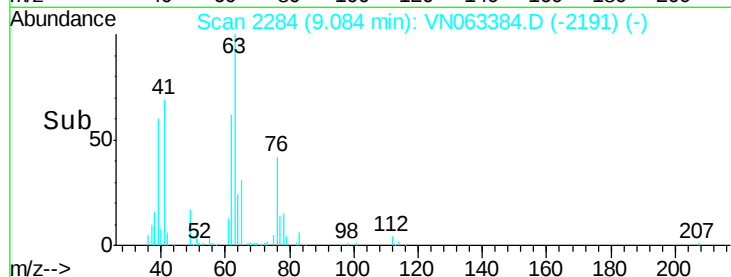
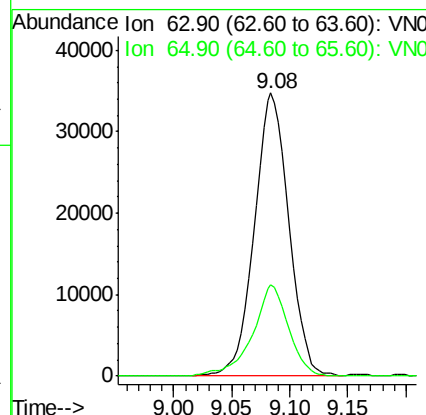
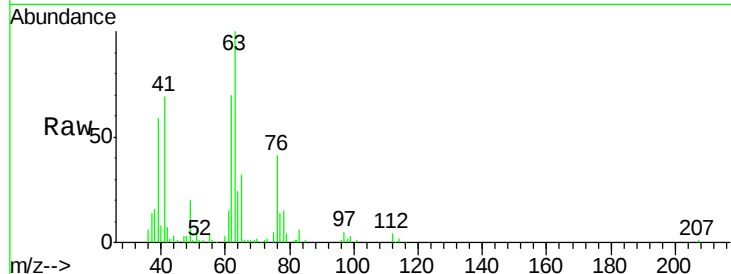
#45
 1,2-Dichloropropane
 Concen: 18.000 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD02

Tot Ion: 63 Resp: 72000
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.0 37.6

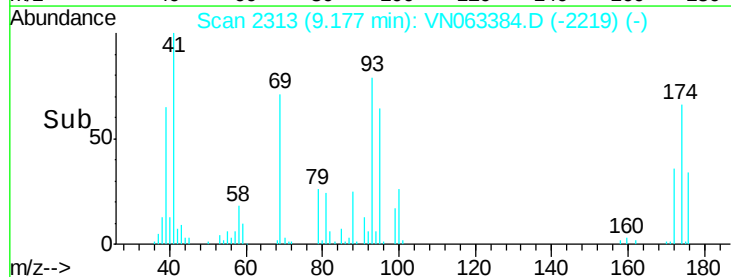
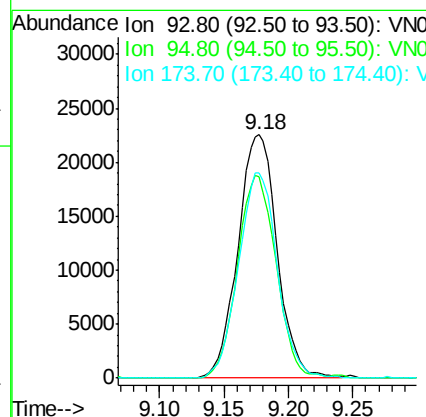
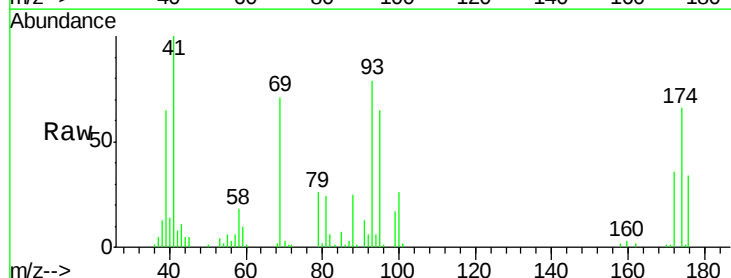
Manual Integrations
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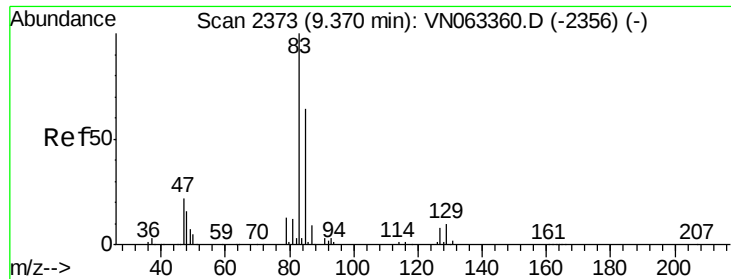
MMDadoda
 9/17/2020 1:44:09 PM



#46
 Dibromomethane
 Concen: 18.141 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Tgt Ion: 93 Resp: 47694
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.6 98.4
 174 83.6 68.1 102.1





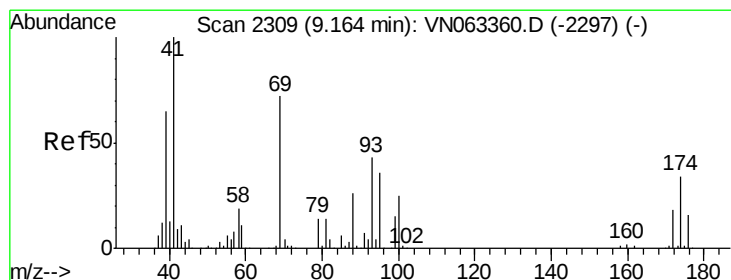
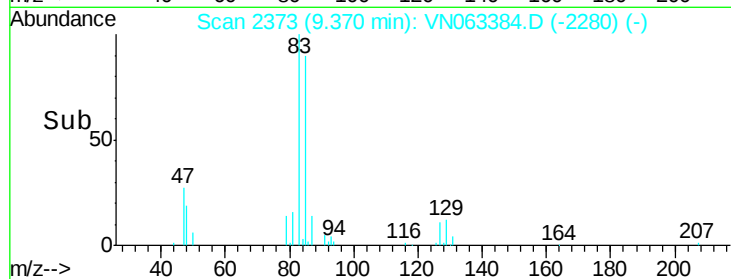
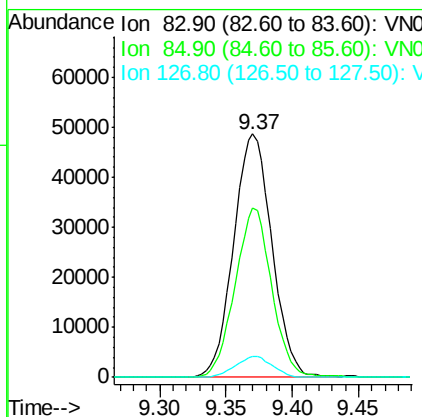
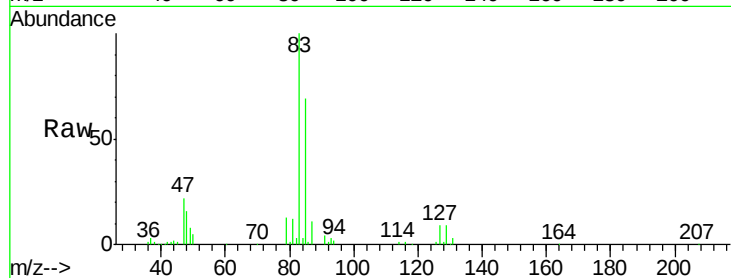
#47
 Bromodichloromethane
 Concen: 17.907 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
85	69.5	51.0	76.6
127	8.6	6.3	9.5

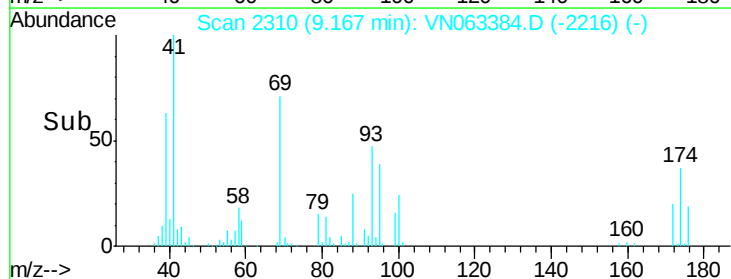
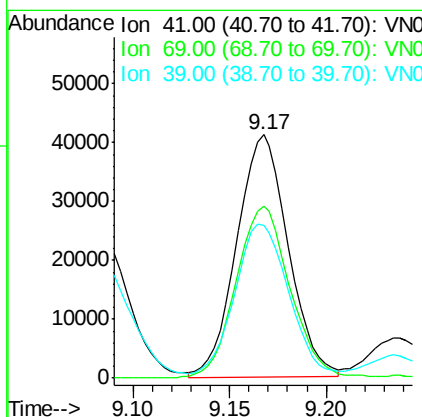
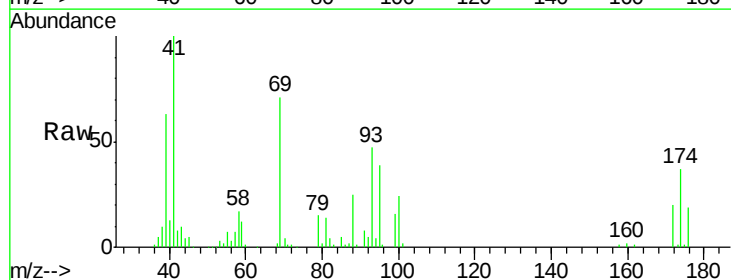
Manual Integrations
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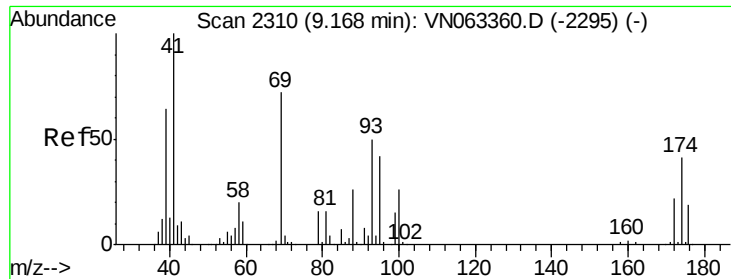
MMDadoda
 9/17/2020 1:44:09 PM



#48
 Methyl methacrylate
 Concen: 17.223 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.5	59.3	88.9
39	67.3	52.9	79.3





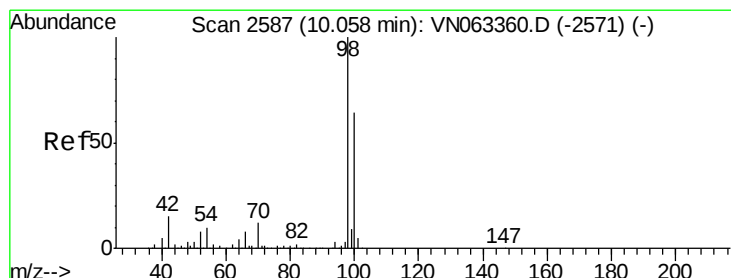
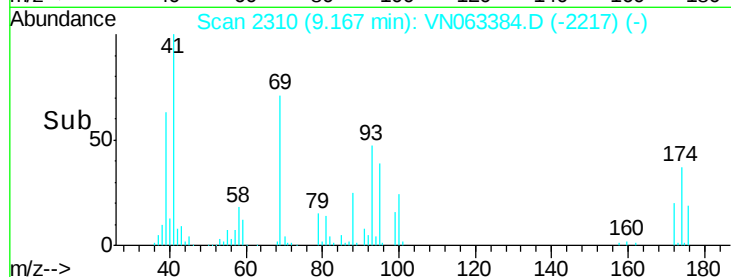
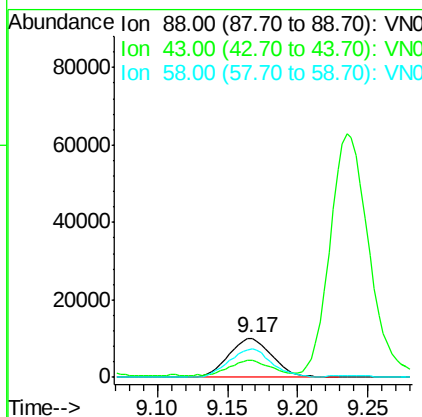
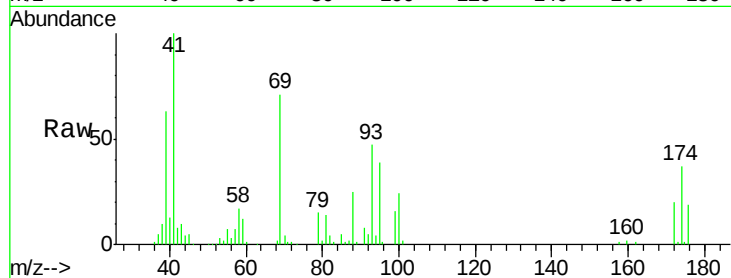
#49
1,4-Dioxane
Concen: 341.681 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	88	Resp	21751
Ion	Ratio	Lower	Upper
88	100		
43	35.3	32.6	49.0
58	70.6	60.0	90.0

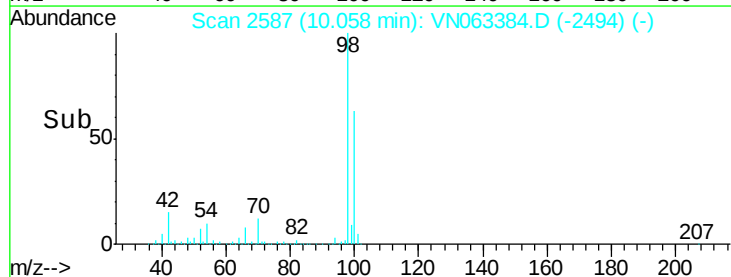
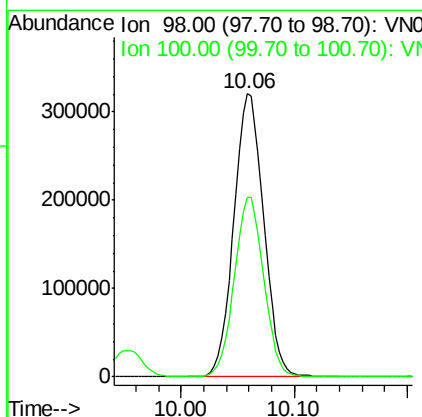
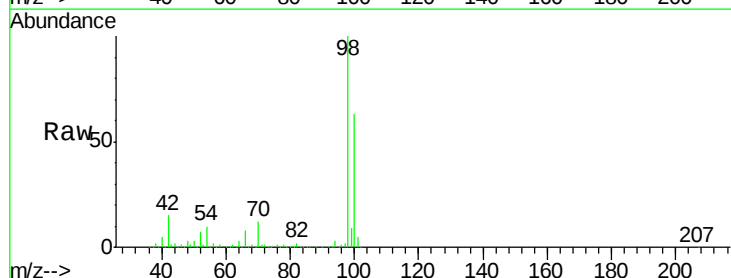
Manual Integrations
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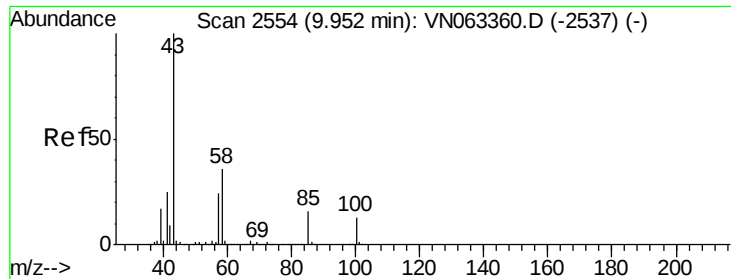
MMDadoda
9/17/2020 1:44:09 PM



#50
Toluene-d8
Concen: 47.008 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	98	Resp	590930
Ion	Ratio	Lower	Upper
98	100		
100	62.3	50.7	76.1





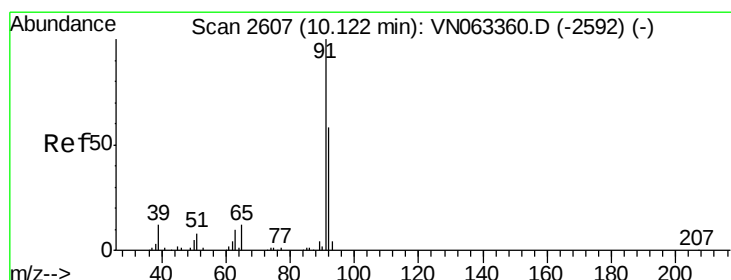
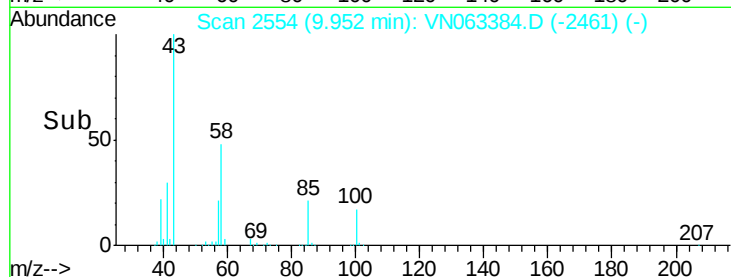
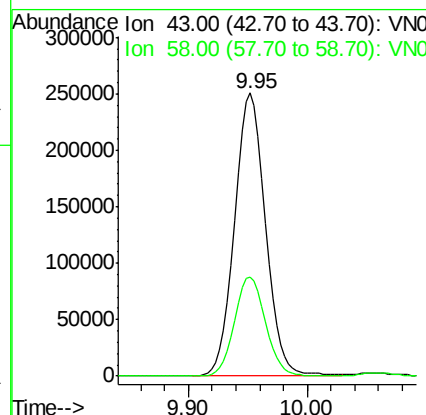
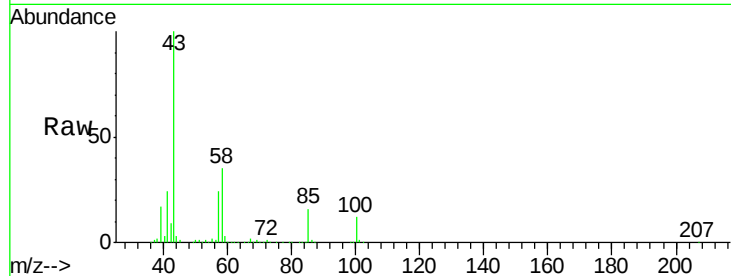
#51
4-Methyl-2-Pentanone
Concen: 89.184 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.0	43.6

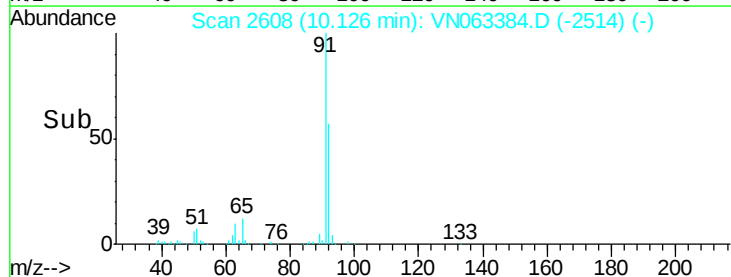
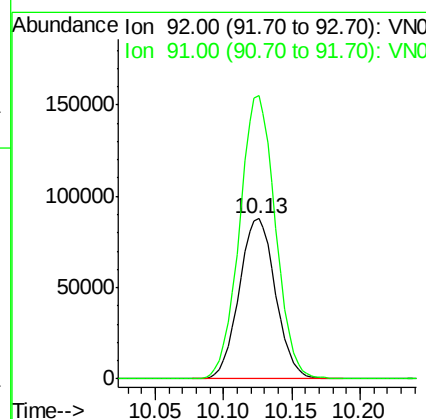
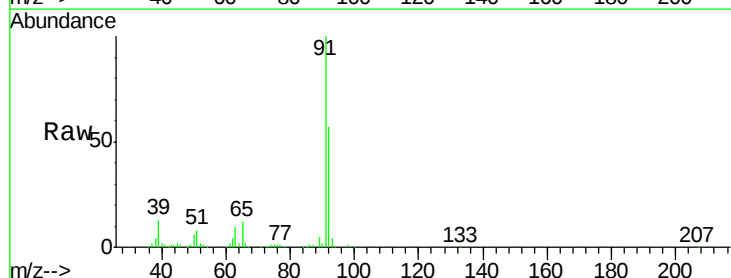
Manual Integrations
APPROVED

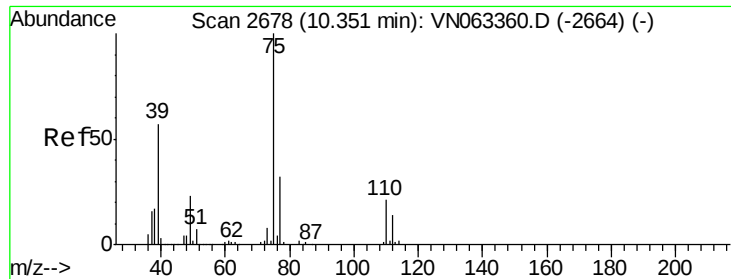
MMDadoda
9/17/2020 1:44:09 PM



#52
Toluene
Concen: 18.405 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.2	139.7	209.5





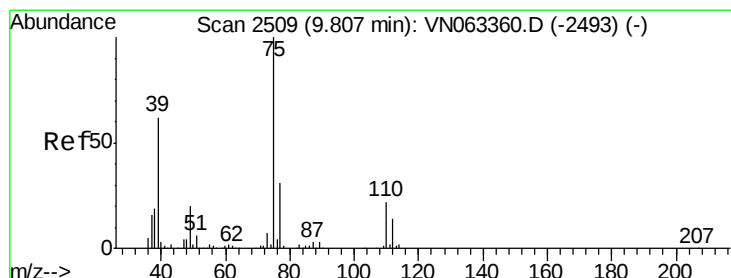
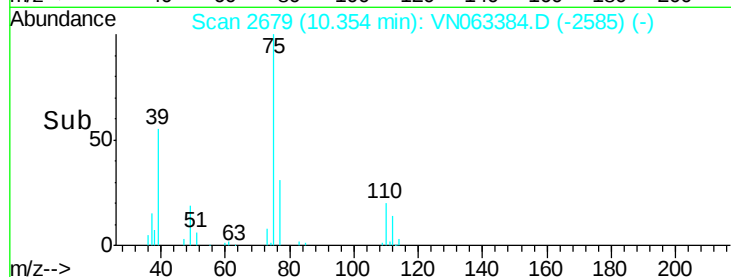
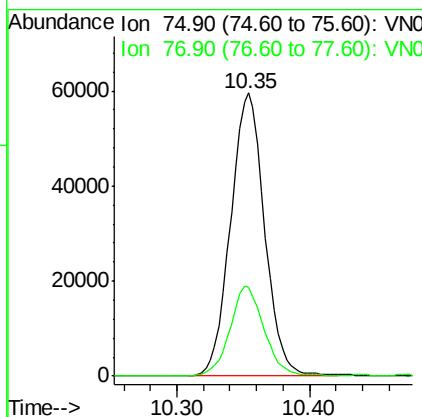
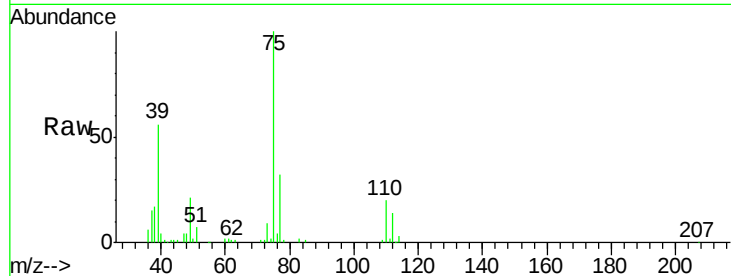
#53
t-1,3-Dichloropropene
Concen: 17.341 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion: 75 Resp: 105736
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2

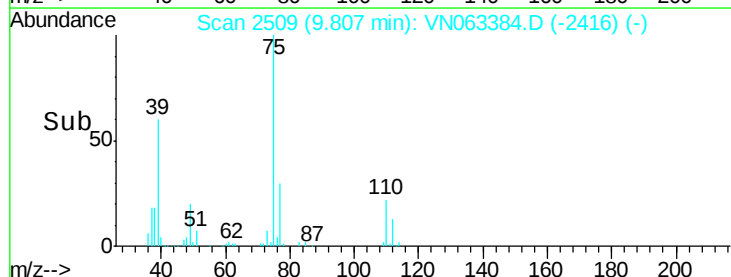
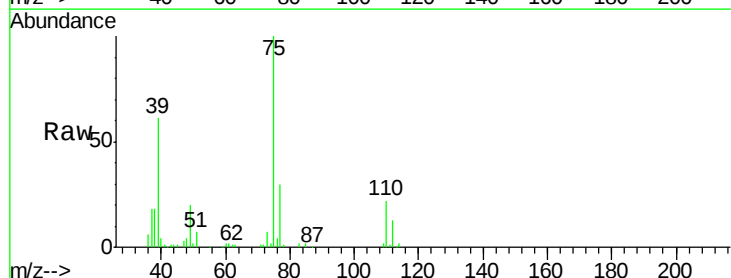
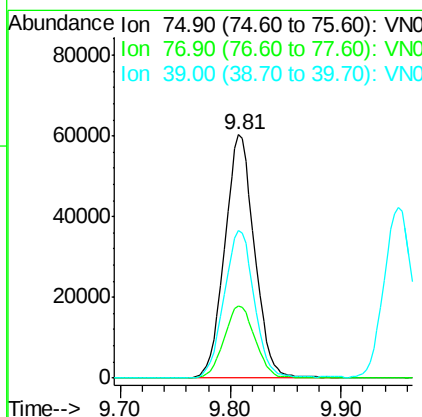
Manual Integrations
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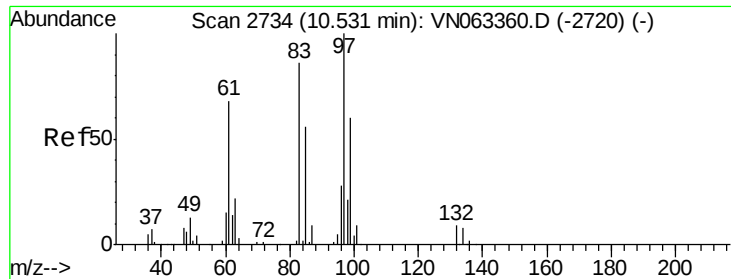
MMDadoda
9/17/2020 1:44:09 PM



#54
cis-1,3-Dichloropropene
Concen: 17.524 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion: 75 Resp: 112709
Ion Ratio Lower Upper
75 100
77 29.6 24.6 37.0
39 60.5 49.8 74.8





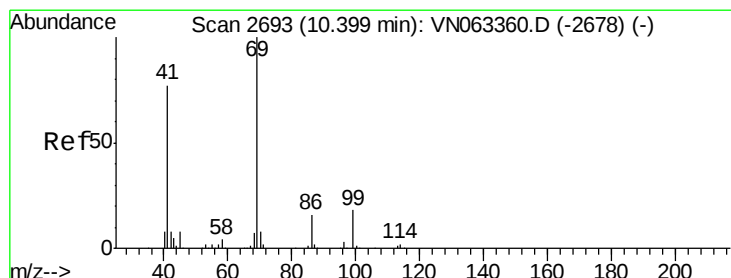
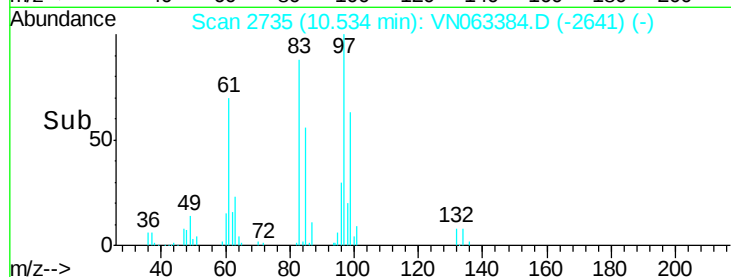
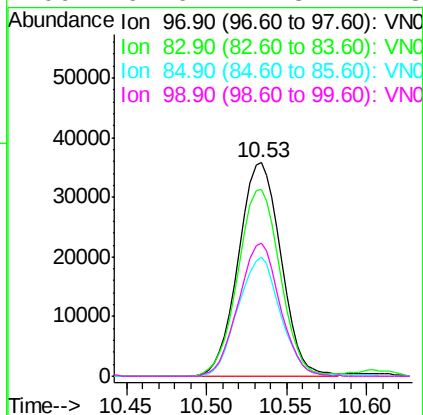
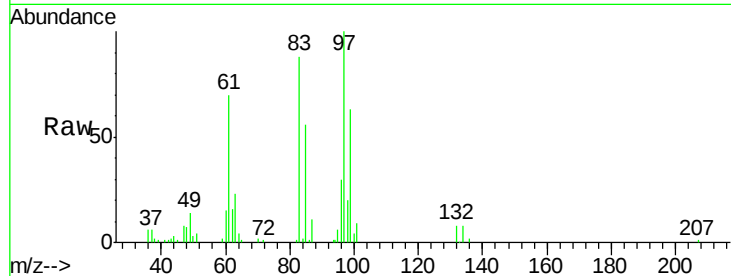
#55
 1,1,2-Trichloroethane
 Concen: 18.559 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD02

Tot Ion:	97	Resp:	65094
Ion	Ratio	Lower	Upper
97	100		
83	87.8	68.9	103.3
85	55.9	44.8	67.2
99	62.6	47.8	71.8

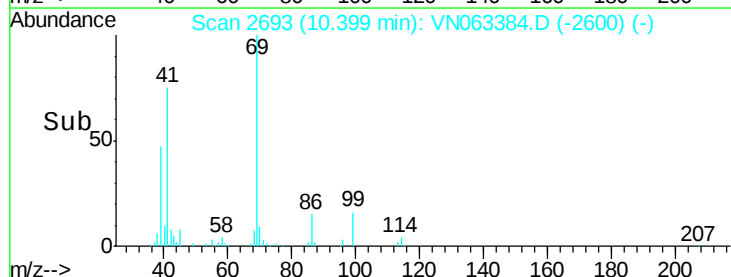
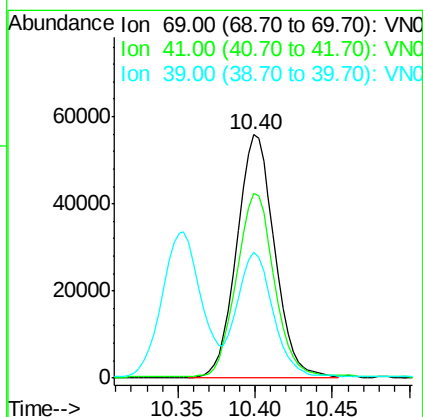
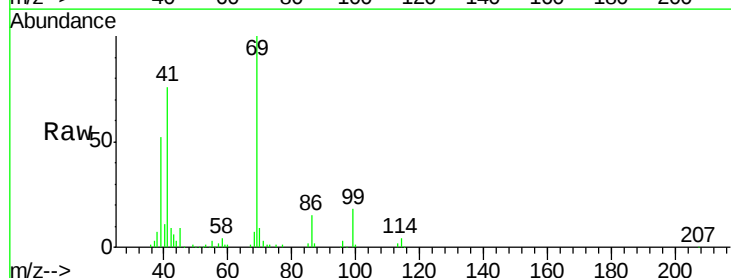
Manual Integrations
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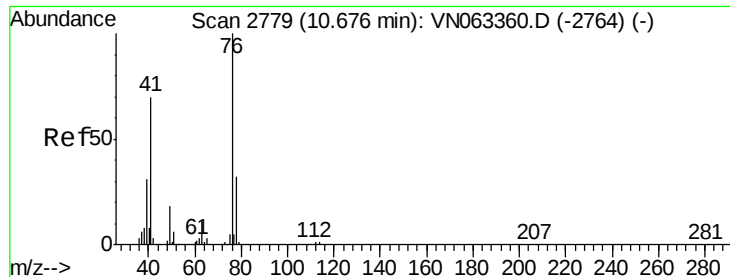
MMDadoda
 9/17/2020 1:44:09 PM



#56
 Ethyl methacrylate
 Concen: 17.399 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Tgt Ion:	69	Resp:	95268
Ion	Ratio	Lower	Upper
69	100		
41	74.7	61.0	91.6
39	50.1	39.2	58.8





#57

1,3-Dichloropropane

Concen: 17.357 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD02

Tot Ion: 76 Resp: 109779

Ion Ratio Lower Upper

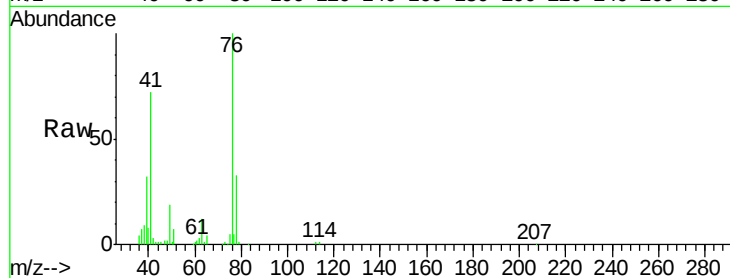
76 100

78 32.3 25.8 38.8

Manual Integrations
APPROVED

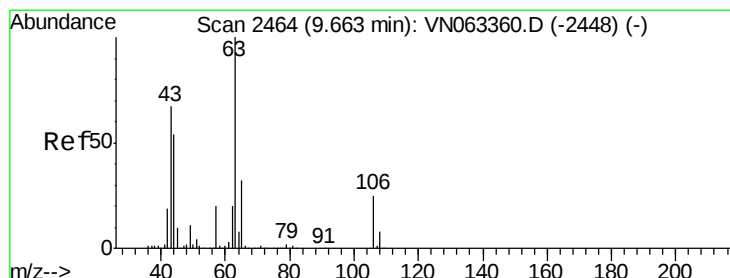
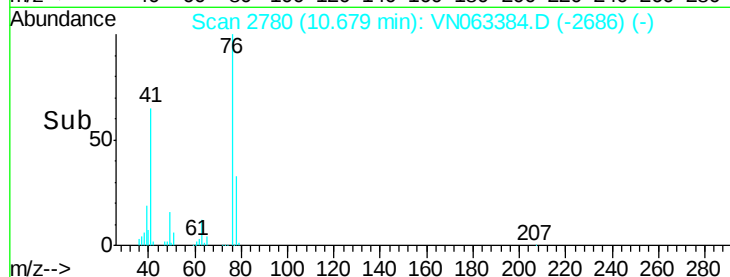
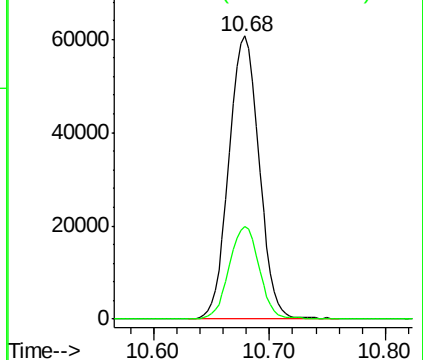
MMDadoda

9/17/2020 1:44:09 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 89.246 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063384.D

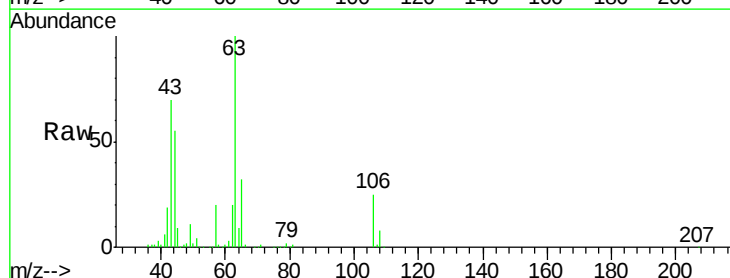
Acq: 16 Sep 2020 23:52

Tgt Ion: 63 Resp: 256339

Ion Ratio Lower Upper

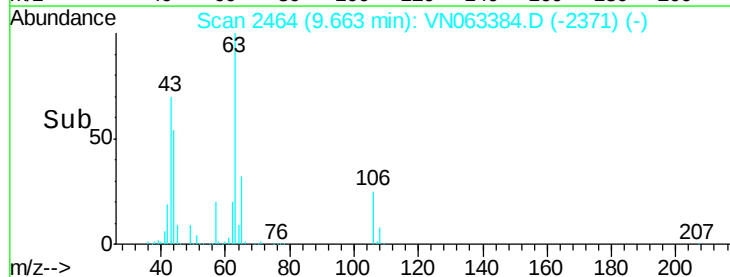
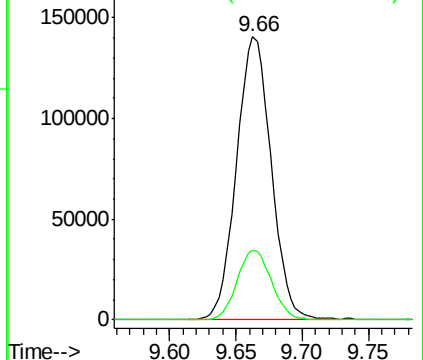
63 100

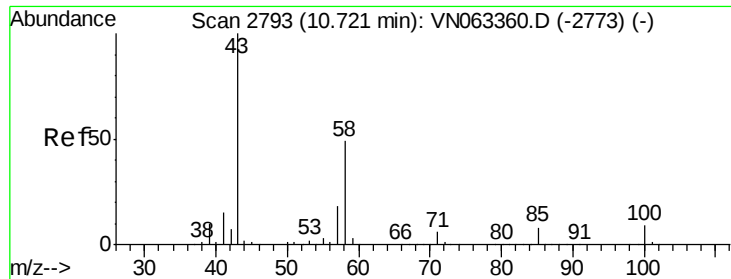
106 24.5 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





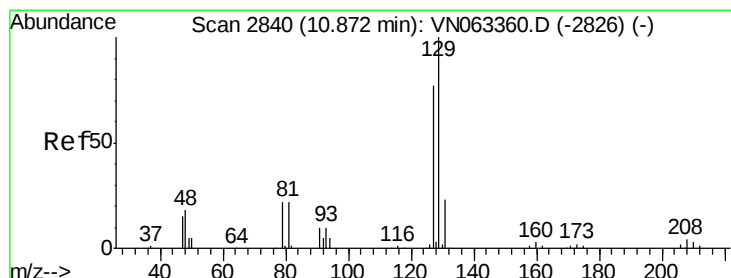
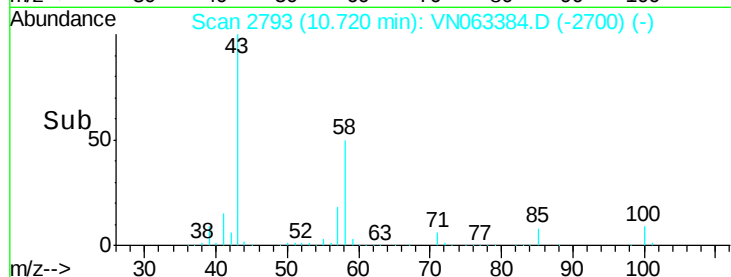
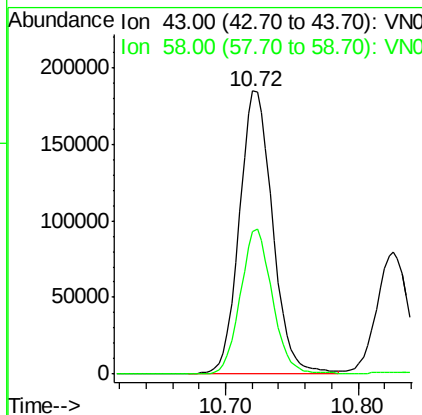
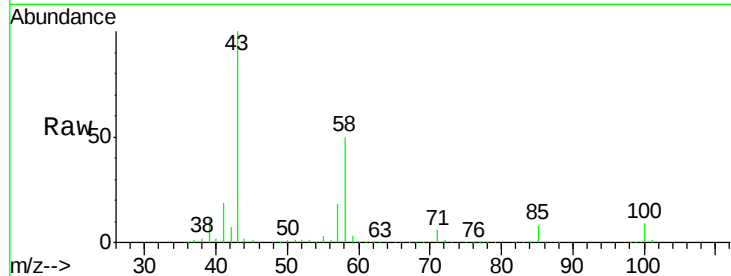
#59
2-Hexanone
Concen: 86.897 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion: 43 Resp: 318216
Ion Ratio Lower Upper
43 100
58 50.0 24.7 74.1

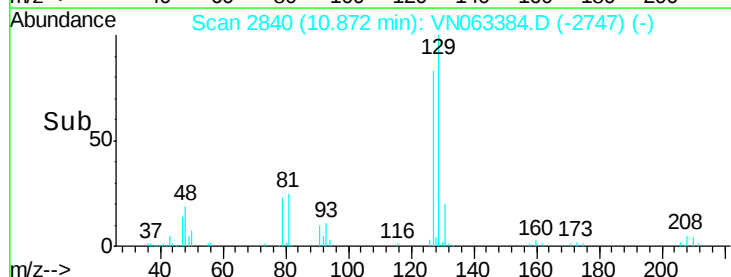
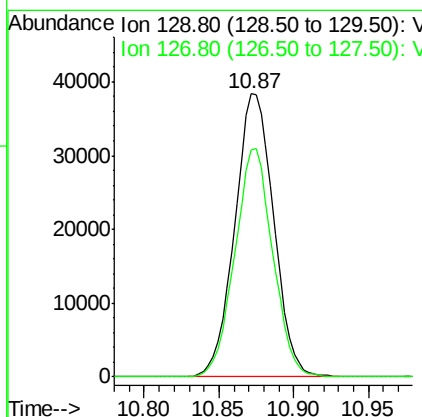
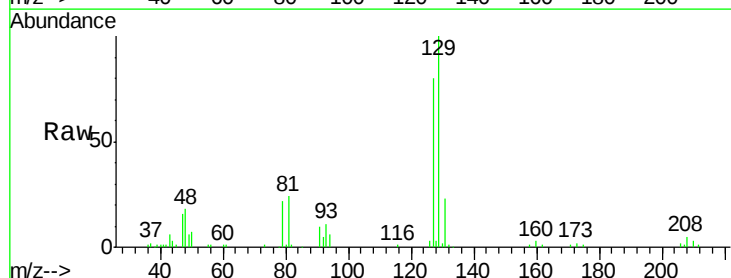
Manual Integrations
APPROVED

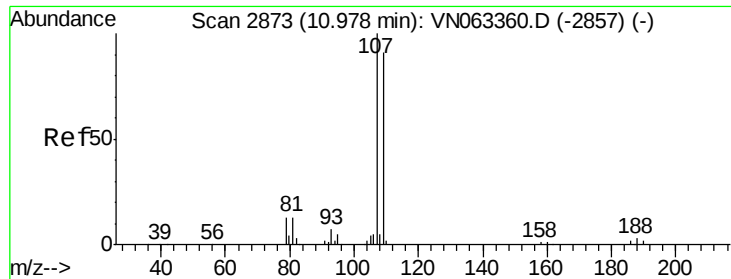
MMDadoda
9/17/2020 1:44:09 PM



#60
Dibromochloromethane
Concen: 17.522 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion: 129 Resp: 69429
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.3





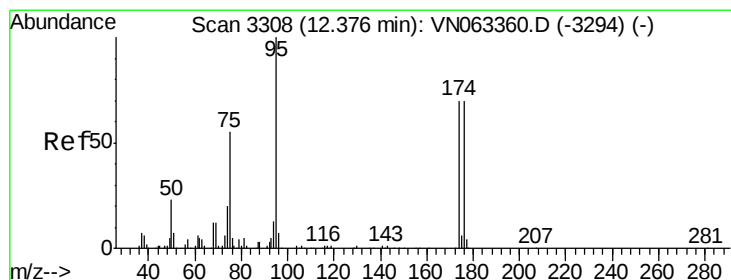
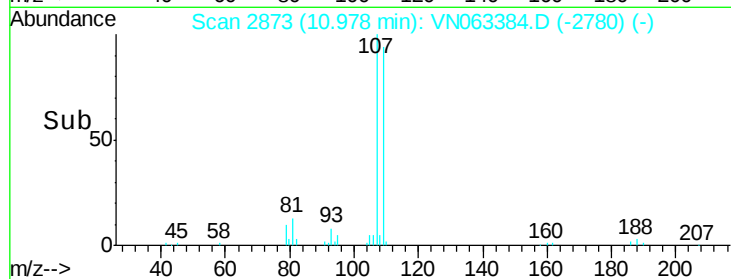
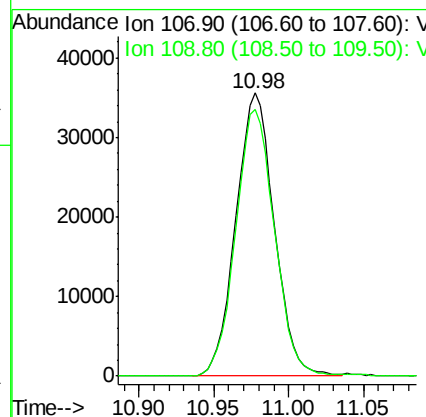
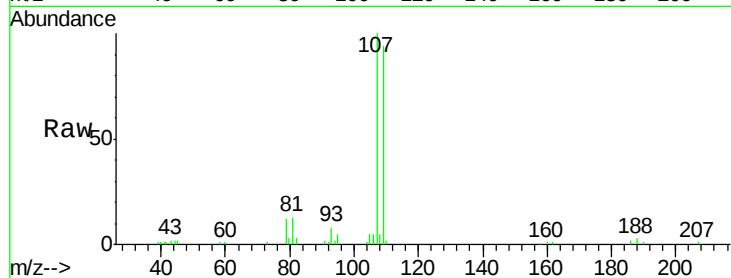
#61
 1,2-Dibromoethane
 Concen: 17.456 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	74.6	111.8

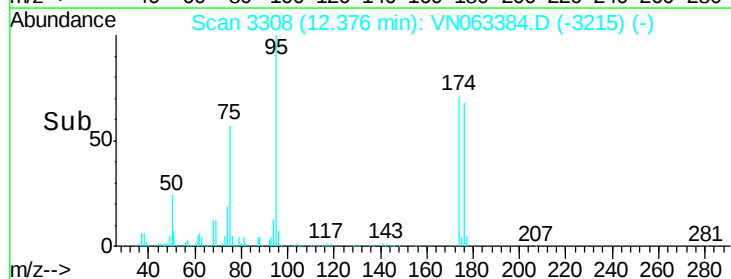
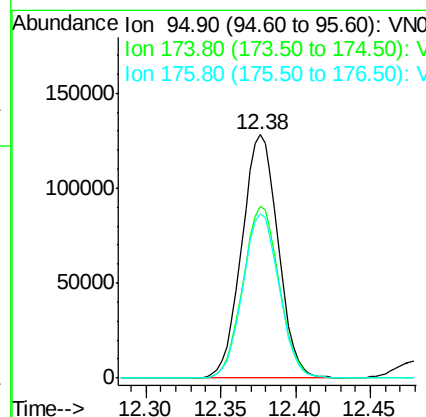
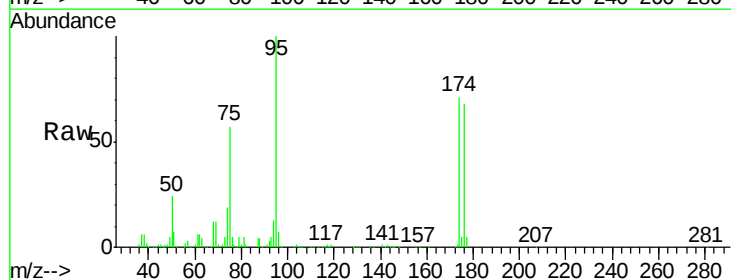
Manual Integrations
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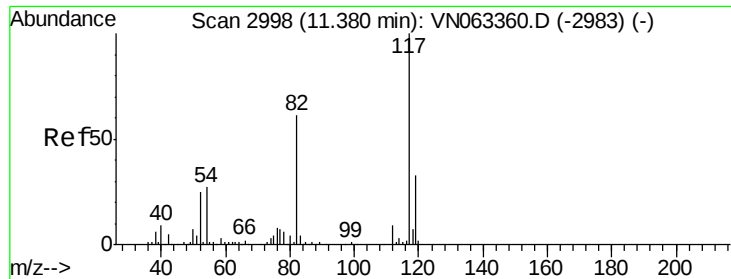
MMDadoda
 9/17/2020 1:44:09 PM



#62
 4-Bromofluorobenzene
 Concen: 47.070 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	140.8
176	67.6	0.0	137.6





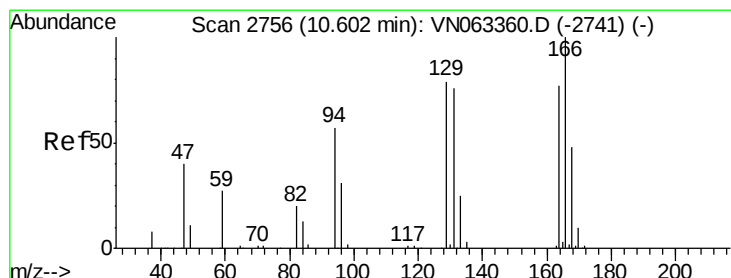
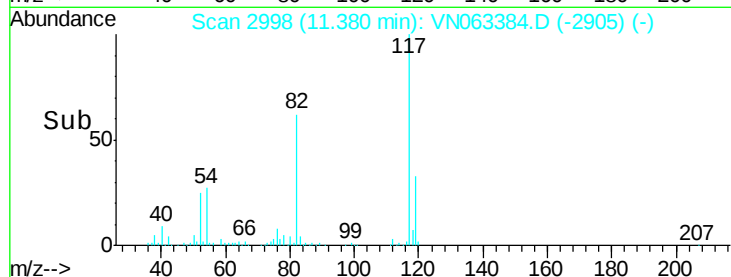
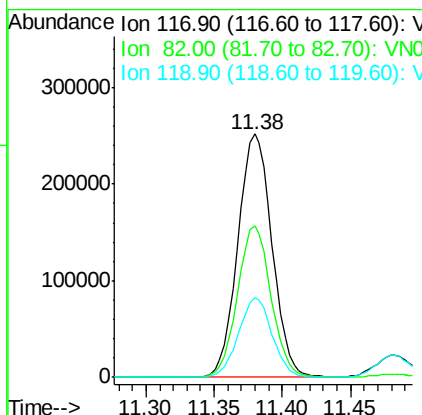
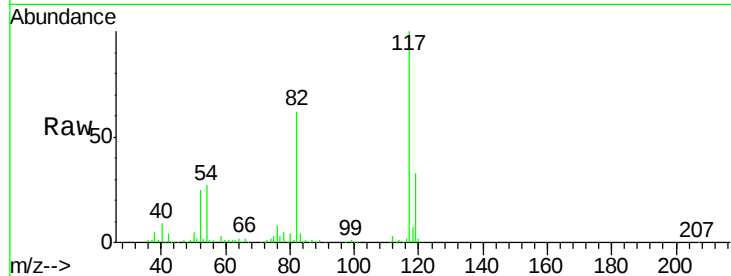
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	438257		
82	62.4	49.2	73.8	
119	32.6	26.2	39.4	

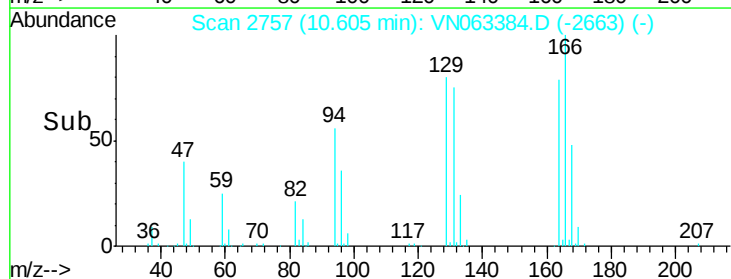
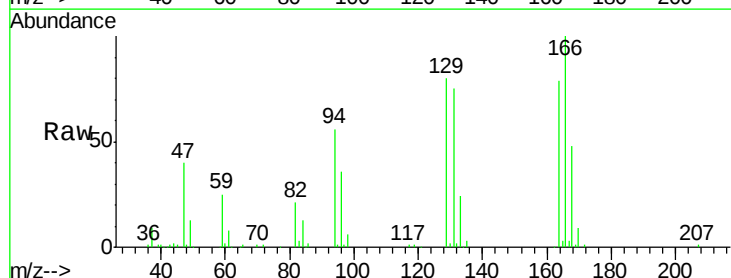
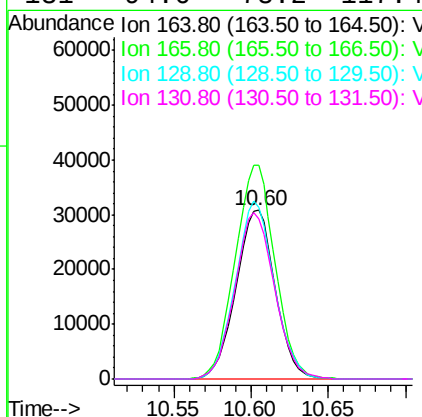
Manual Integrations
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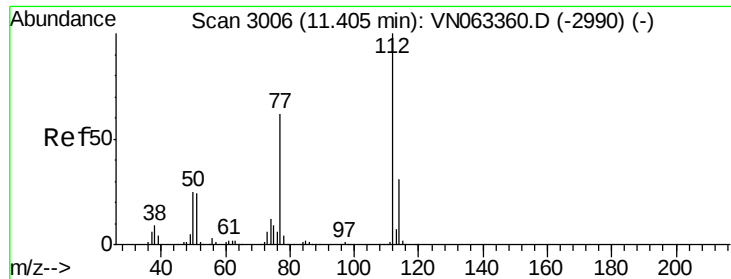
MMDadoda
9/17/2020 1:44:09 PM



#64
Tetrachloroethene
Concen: 18.149 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54159		
166	126.6	103.4	155.0	
129	101.6	81.8	122.6	
131	94.6	78.2	117.4	





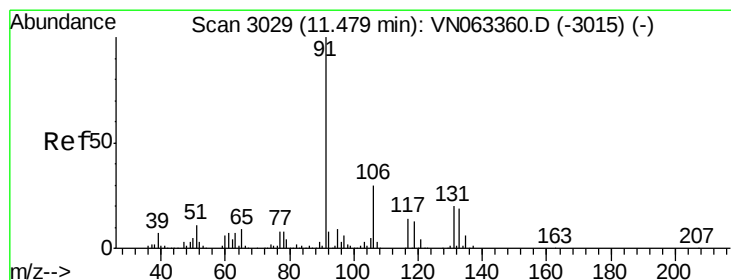
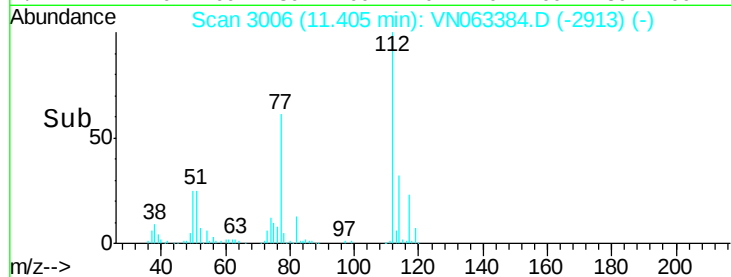
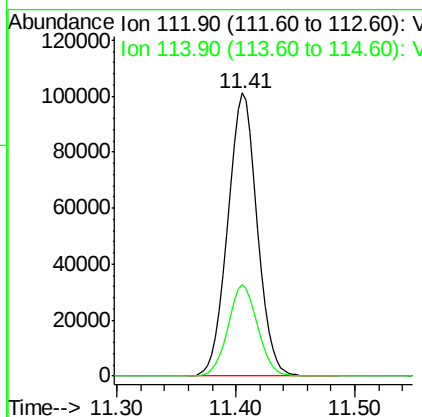
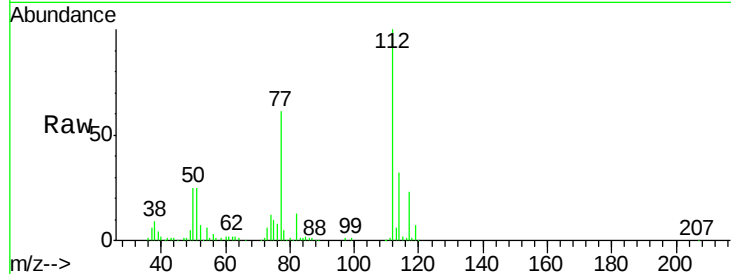
#65
Chlorobenzene
Concen: 18.637 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion:112 Resp: 173378
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.6

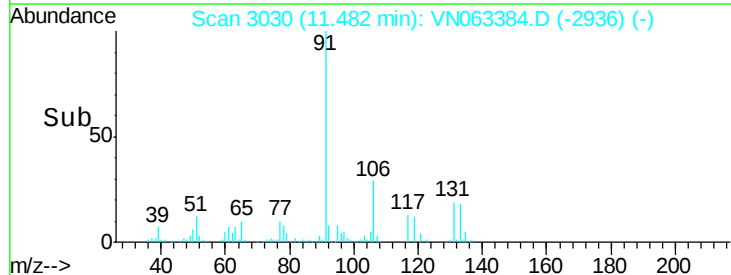
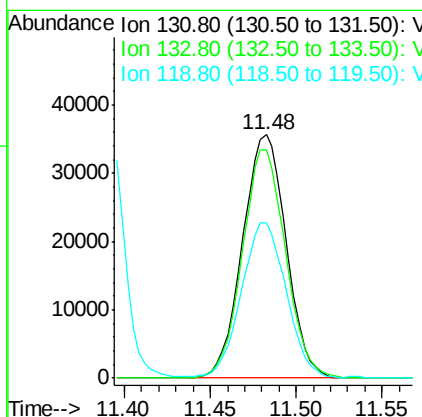
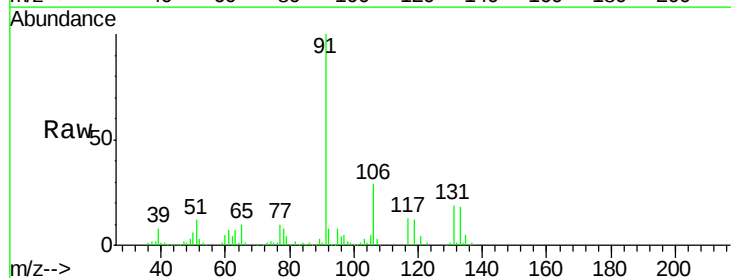
Manual Integrations
APPROVED

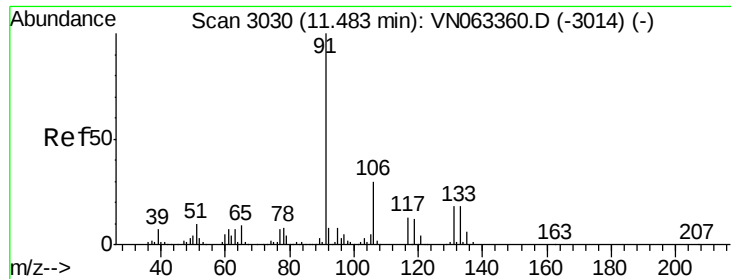
MMDadoda
9/17/2020 1:44:09 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.412 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion:131 Resp: 62788
Ion Ratio Lower Upper
131 100
133 93.0 47.3 141.9
119 65.8 33.6 100.8





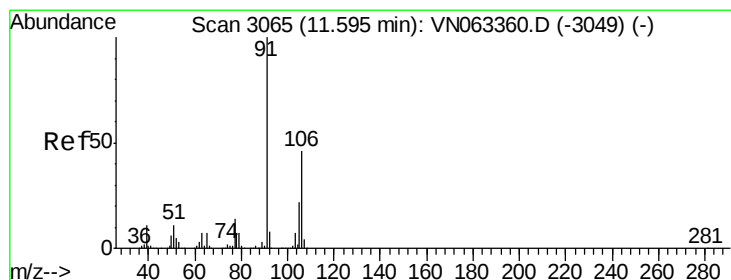
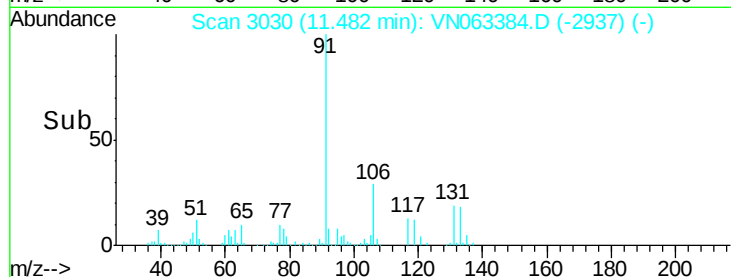
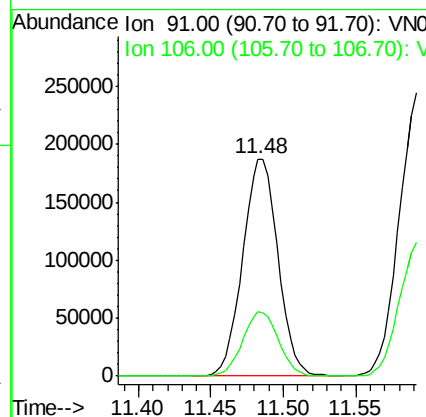
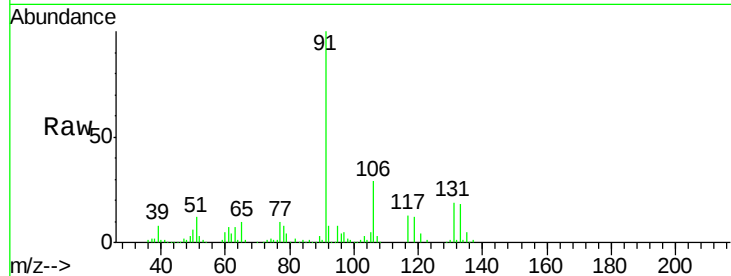
#67
Ethyl Benzene
Concen: 18.121 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion: 91 Resp: 317460
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.6

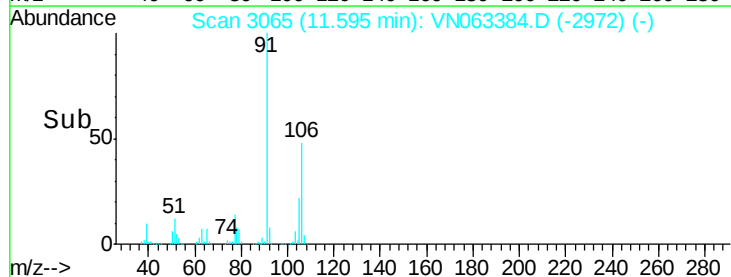
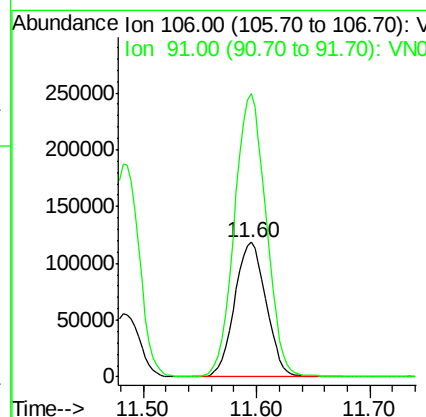
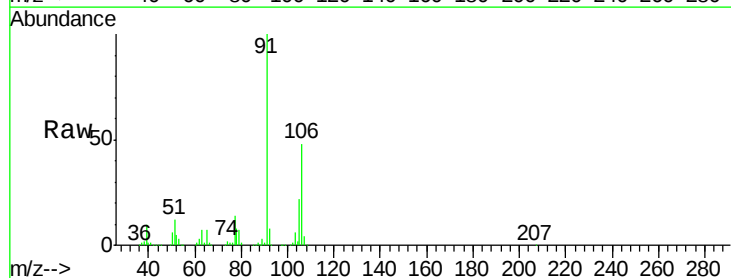
Manual Integrations
APPROVED

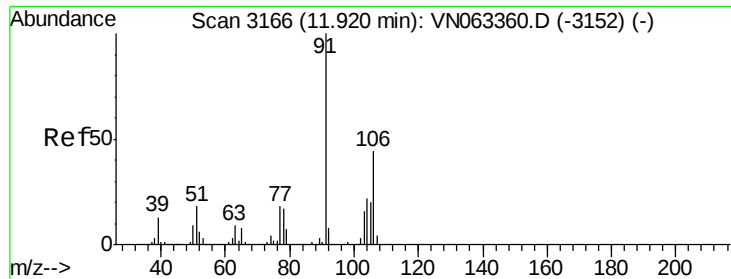
MMDadoda
9/17/2020 1:44:09 PM



#68
m/p-Xylenes
Concen: 36.282 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion: 106 Resp: 229181
Ion Ratio Lower Upper
106 100
91 211.2 171.2 256.8





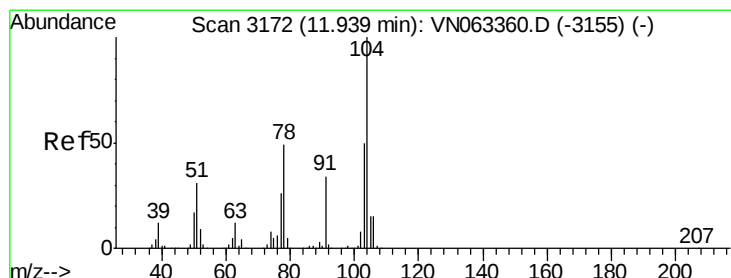
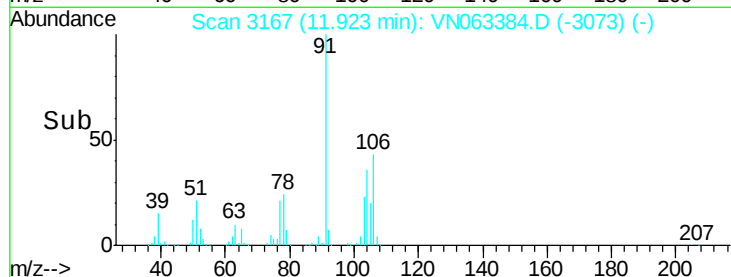
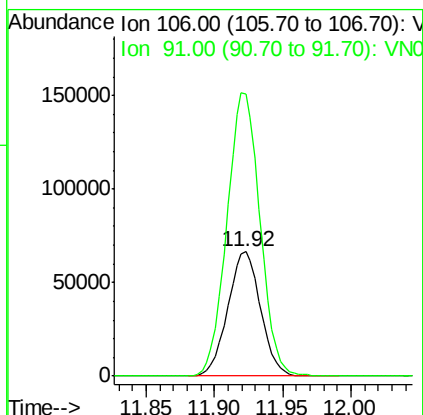
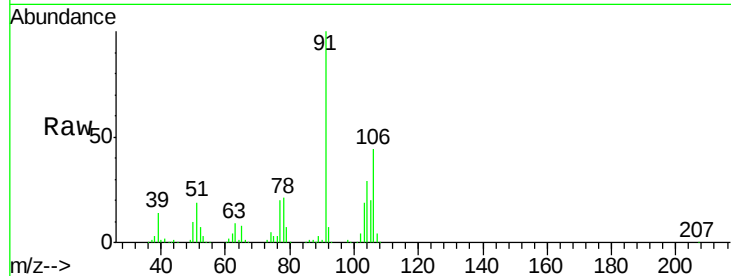
#69
o-Xylene
Concen: 18.414 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	110800		
91	91	230.2	113.6	340.8	

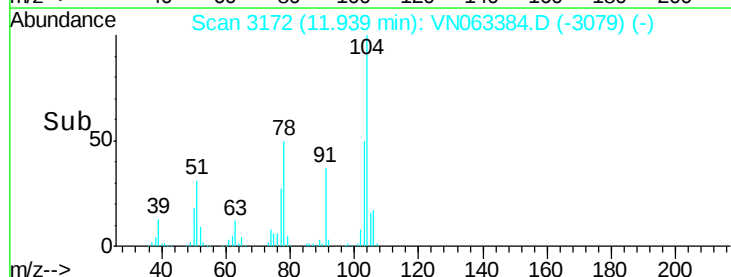
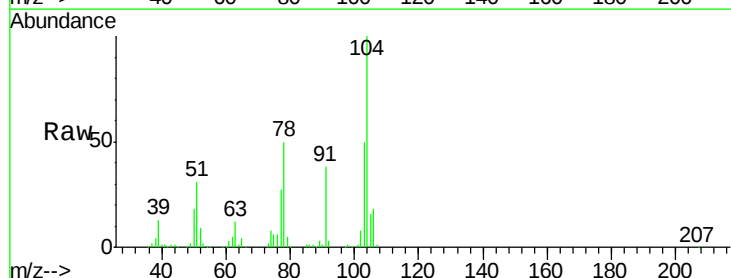
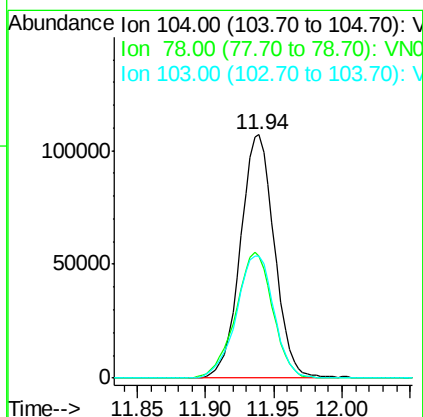
Manual Integrations
APPROVED

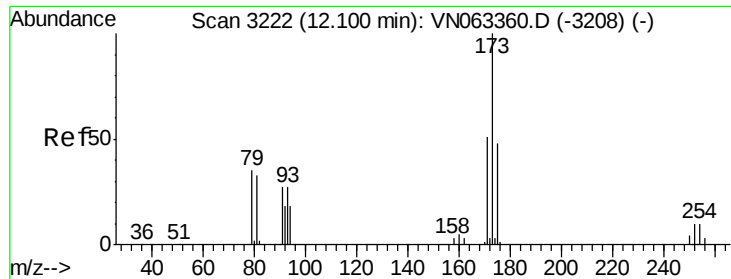
MMDadoda
9/17/2020 1:44:09 PM



#70
Styrene
Concen: 18.322 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	184880		
78	78	56.5	44.4	66.6	
103	103	55.9	43.7	65.5	





#71

Bromoform

Concen: 17.612 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD02

Tot Ion:173 Resp: 44743

Ion Ratio Lower Upper

173 100

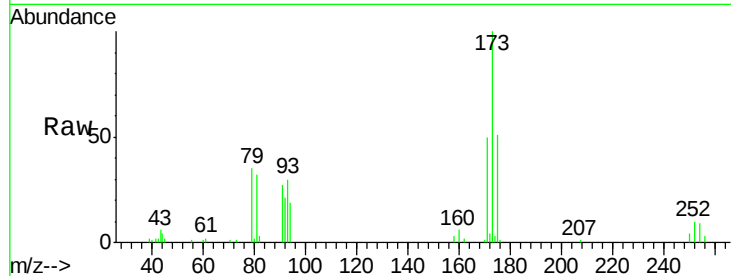
175 48.5 24.0 72.0

254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

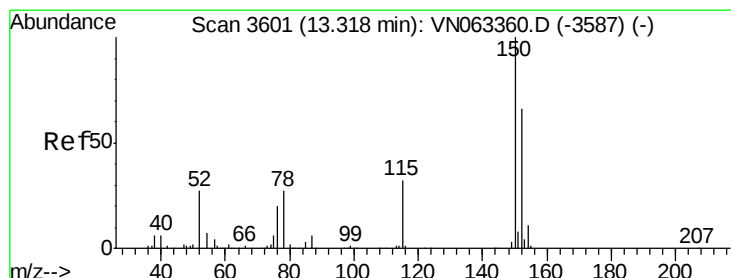
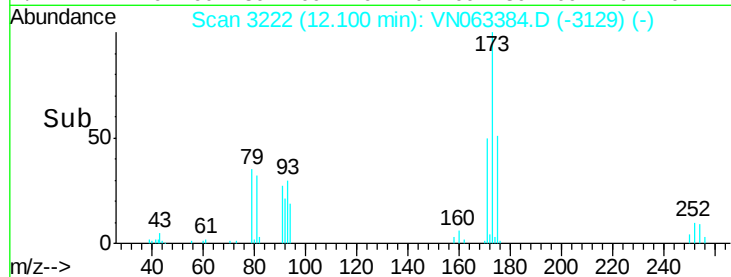
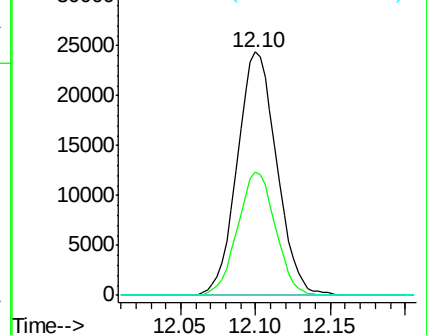
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3601

Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

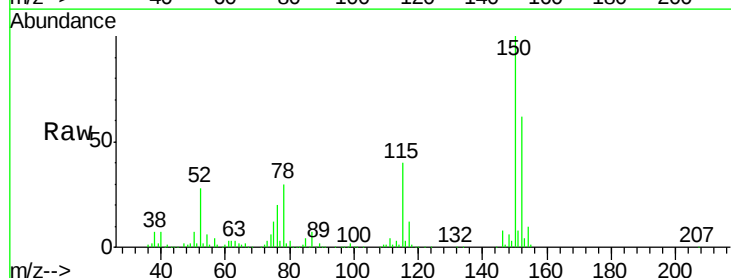
Tgt Ion:152 Resp: 198124

Ion Ratio Lower Upper

152 100

115 64.3 32.2 96.6

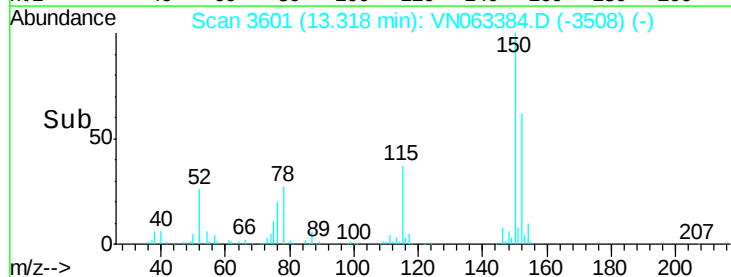
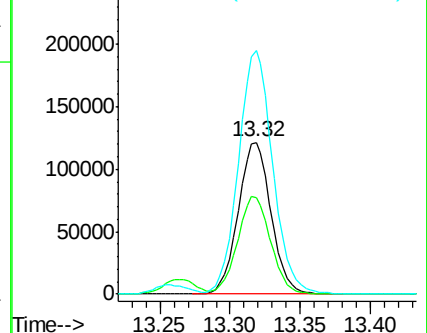
150 166.1 0.0 343.4

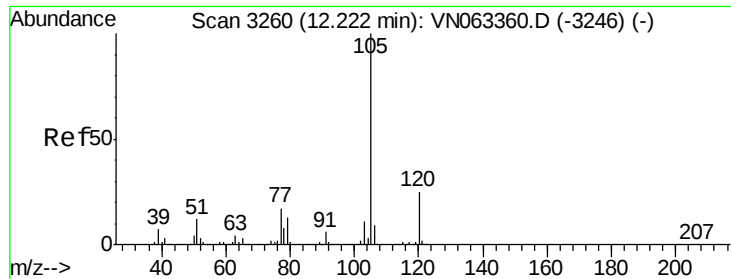


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.881 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD02

Tot Ion: 105 Resp: 299766

Ion Ratio Lower Upper

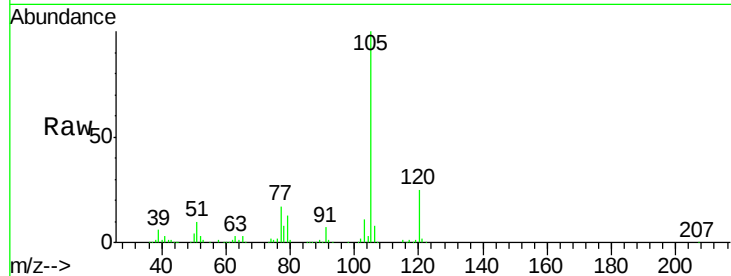
105 100

120 25.3 12.7 38.0

Manual Integrations
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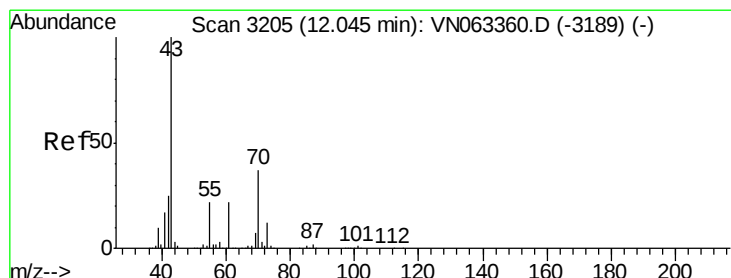
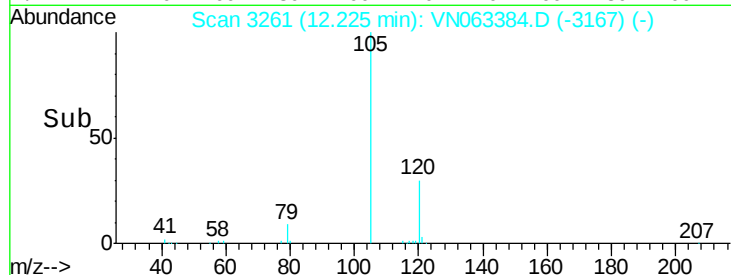
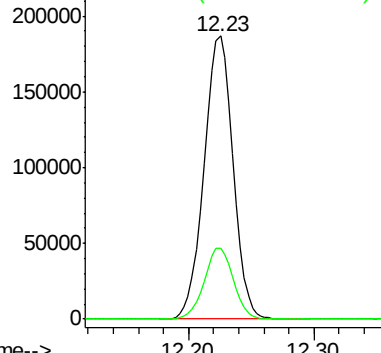
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.033 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Tgt Ion: 43 Resp: 135529

Ion Ratio Lower Upper

43 100

70 36.6 29.6 44.4

55 22.2 17.7 26.5

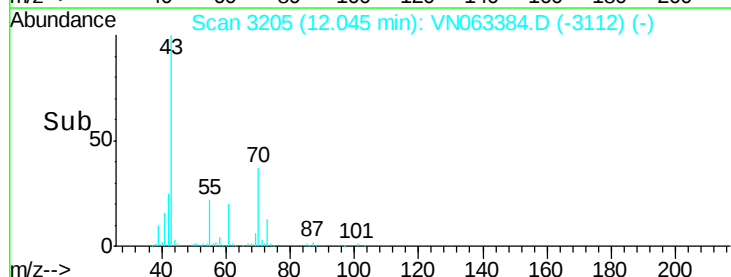
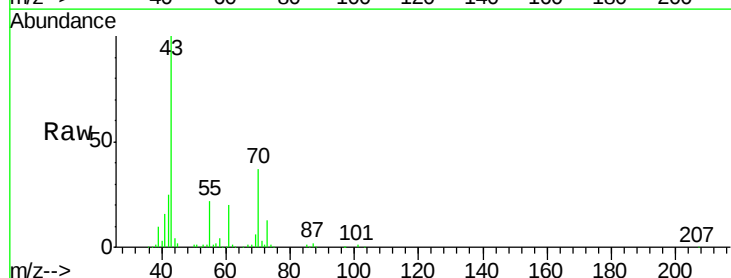
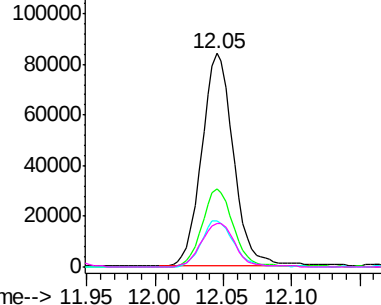
61 21.6 17.4 26.2

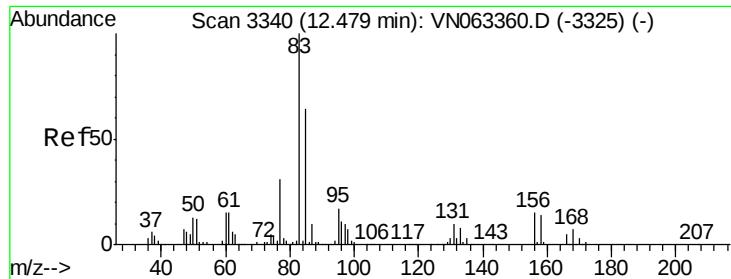
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.427 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

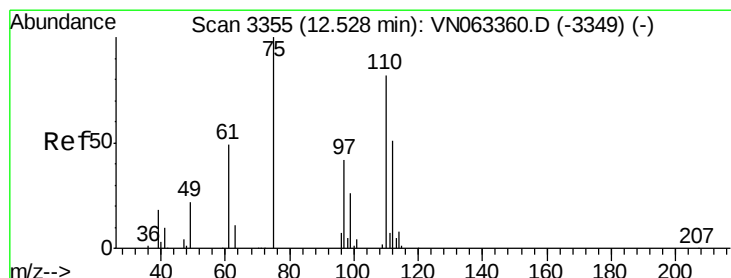
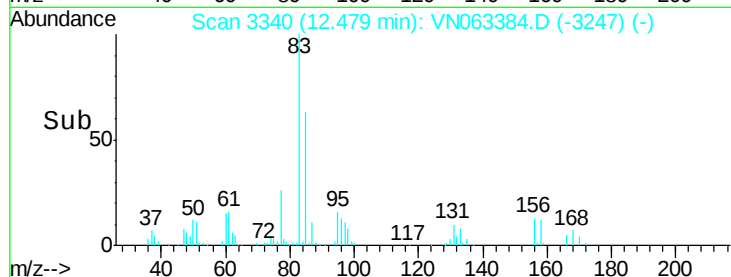
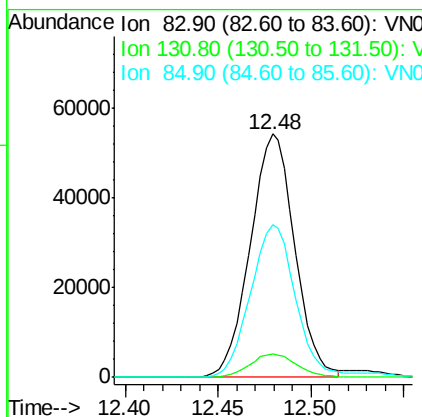
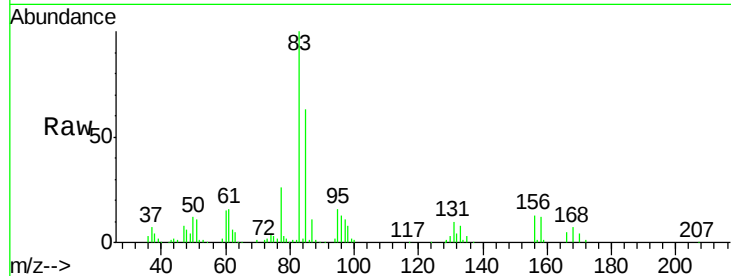
ClientSampleId :

VN0916WBSD02

Tot Ion:	83	Resp:	90585
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.7
85	63.6	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 17.477 ug/l m

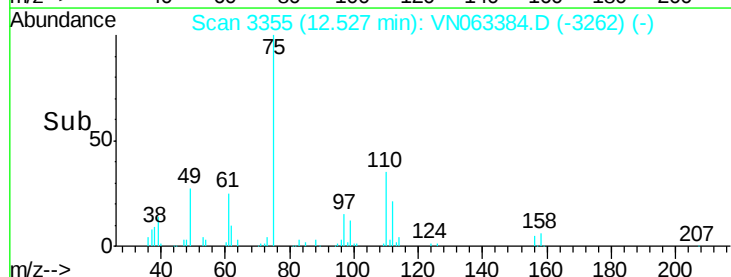
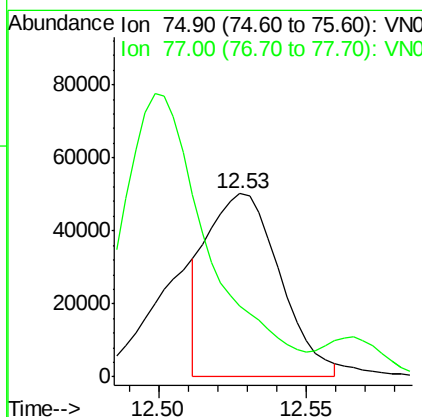
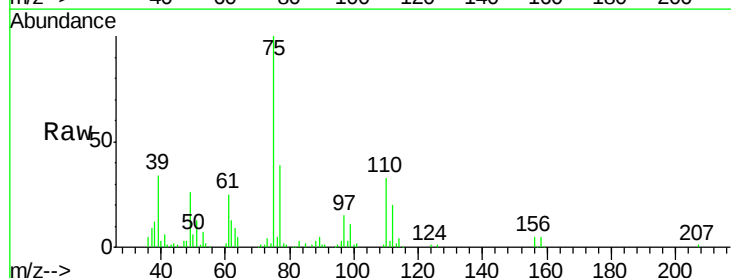
RT: 12.53 min Scan# 3355

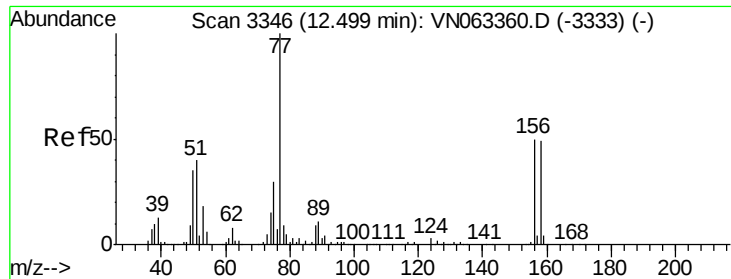
Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Tgt Ion:	75	Resp:	85702
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.736 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

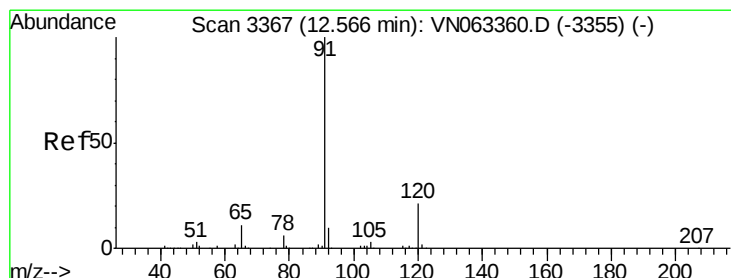
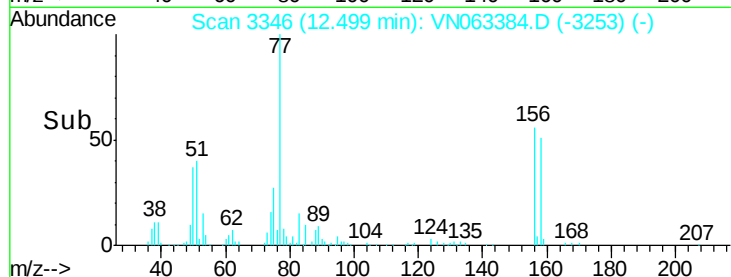
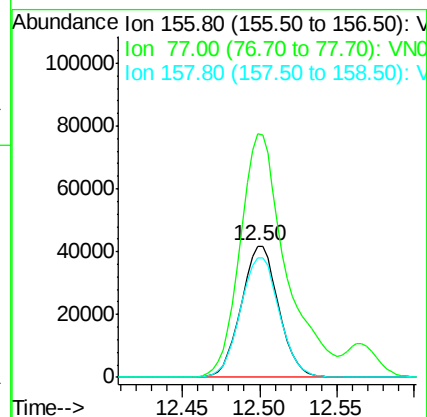
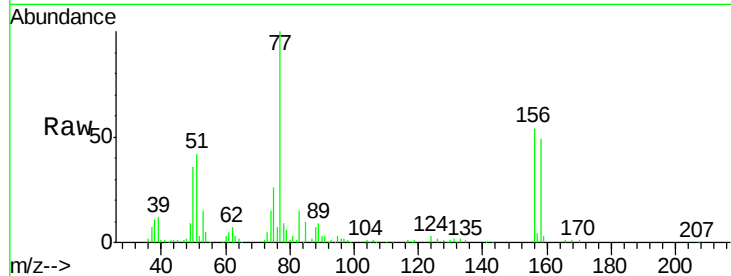
ClientSampleId :

VN0916WBSD02

Tot Ion:	156	Resp:	70484
Ion Ratio	Lower	Upper	
156	100		
77	226.9	120.2	360.6
158	94.9	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 18.584 ug/l

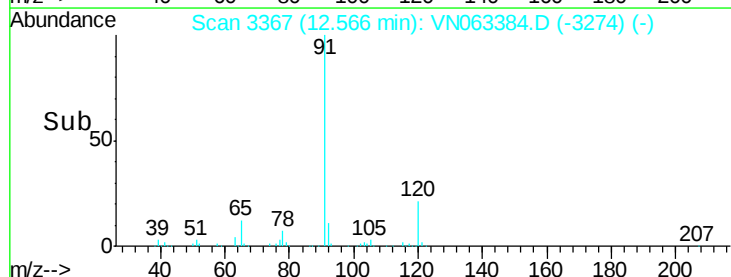
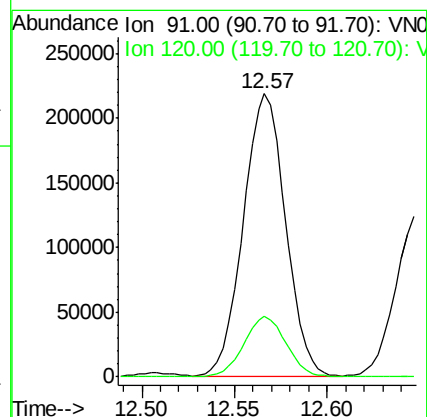
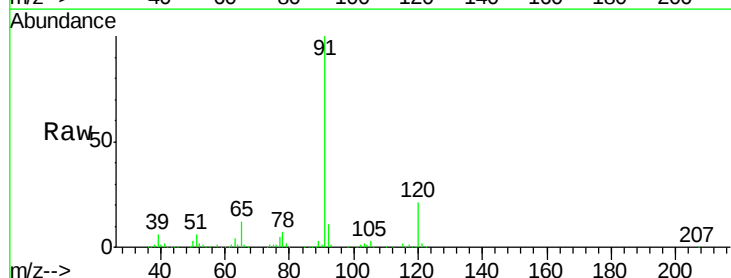
RT: 12.57 min Scan# 3367

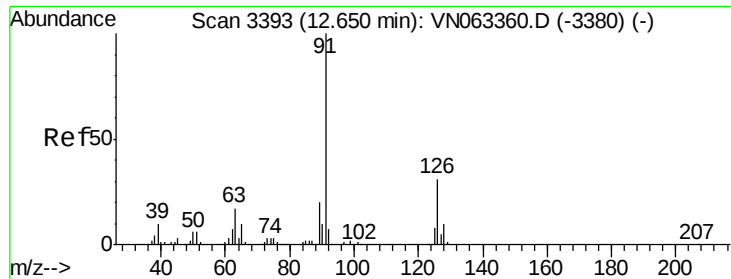
Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Tgt Ion:	91	Resp:	343642
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.8	32.3





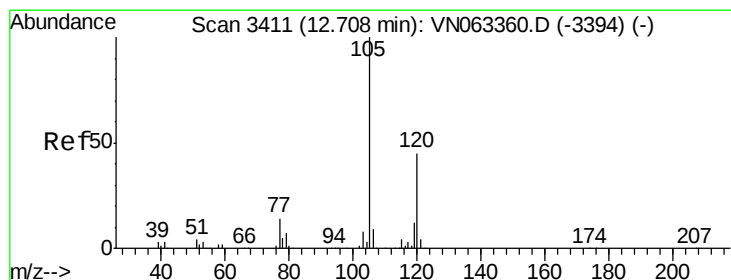
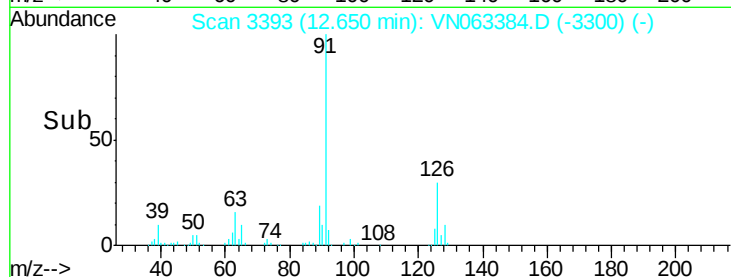
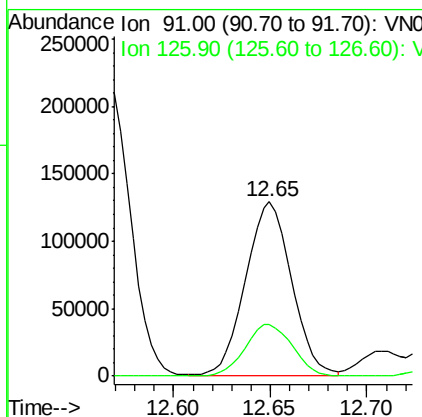
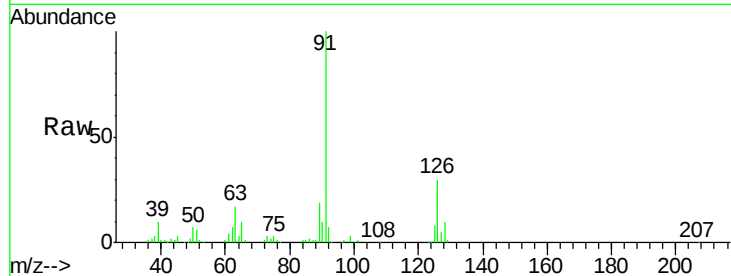
#79
2-Chlorotoluene
Concen: 19.184 ug/l
RT: 12.65 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.8	47.3

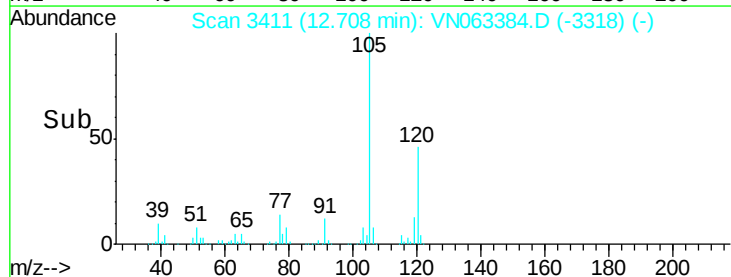
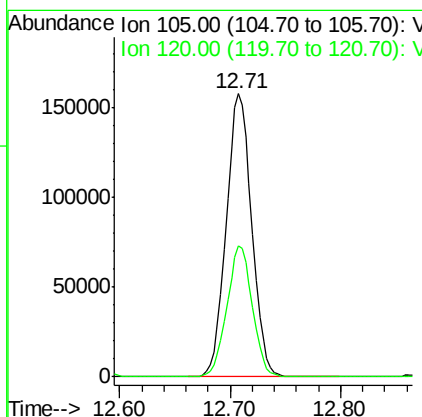
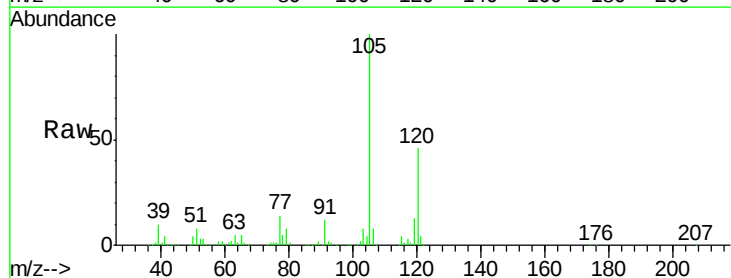
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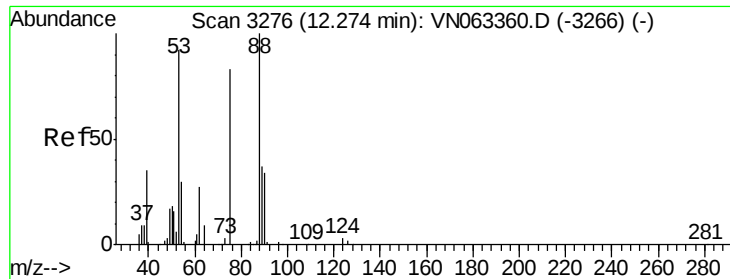
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#80
1,3,5-Trimethylbenzene
Concen: 19.040 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.462 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

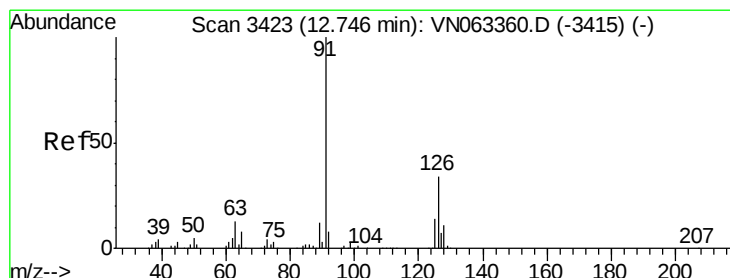
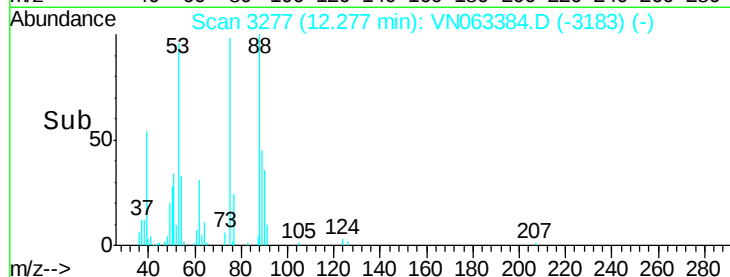
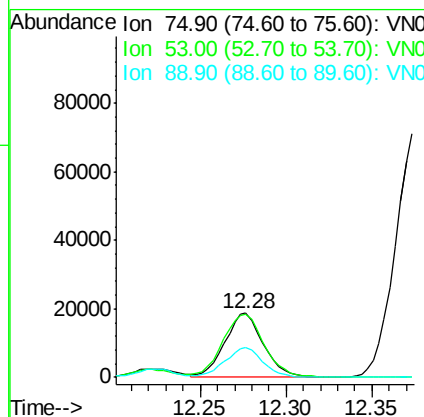
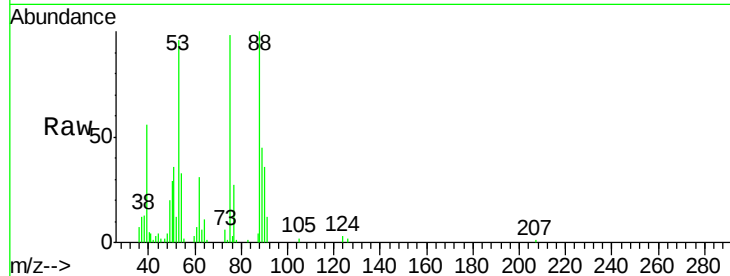
ClientSampleId :

VN0916WBSD02

Tot Ion:	75	Resp:	29445
Ion	Ratio	Lower	Upper
75	100		
53	106.1	85.7	128.5
89	45.2	38.0	57.0

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#82

4-Chlorotoluene

Concen: 18.685 ug/l

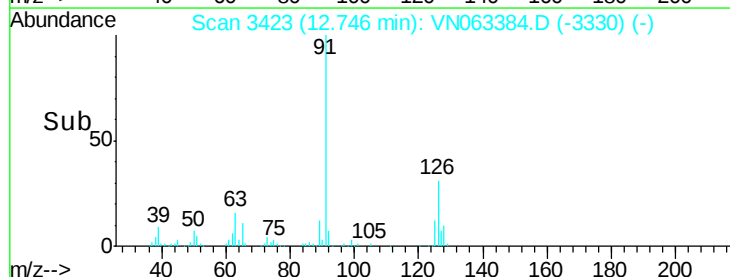
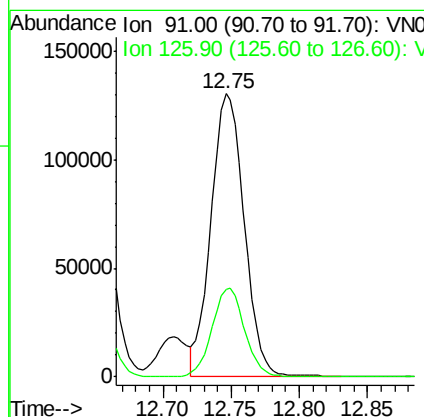
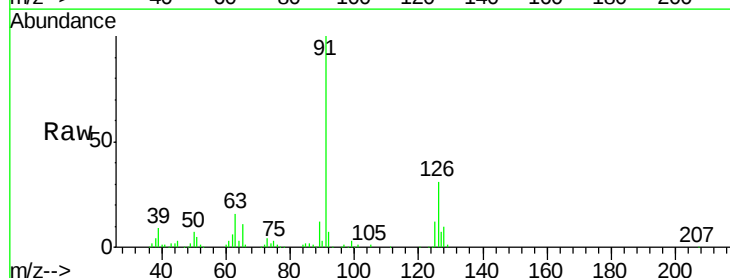
RT: 12.75 min Scan# 3423

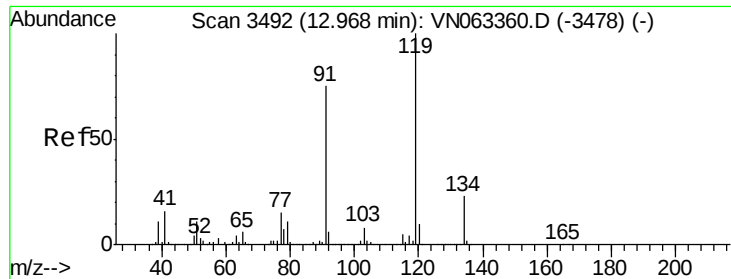
Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Tgt Ion:	91	Resp:	218843
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.5	46.5





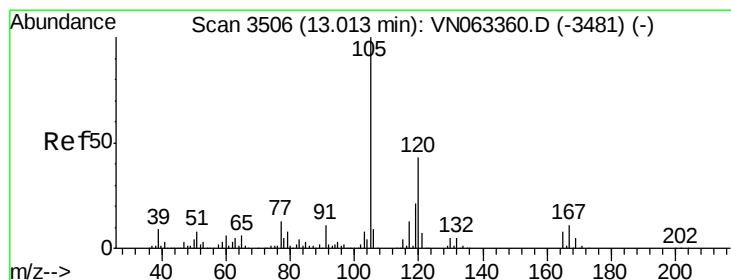
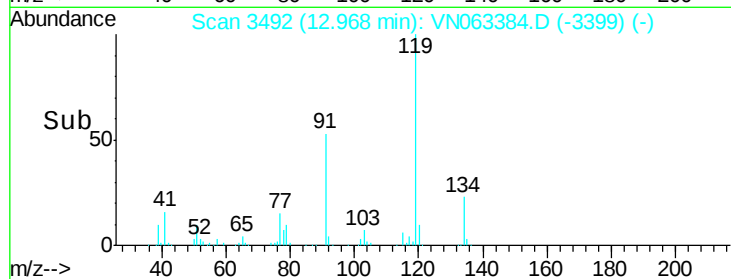
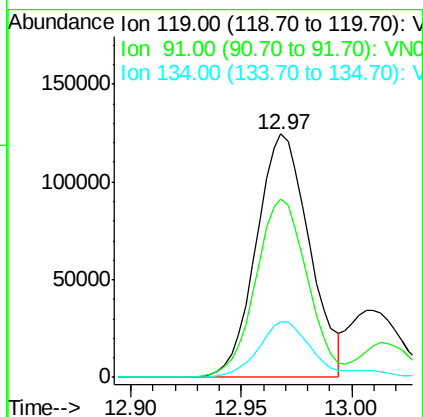
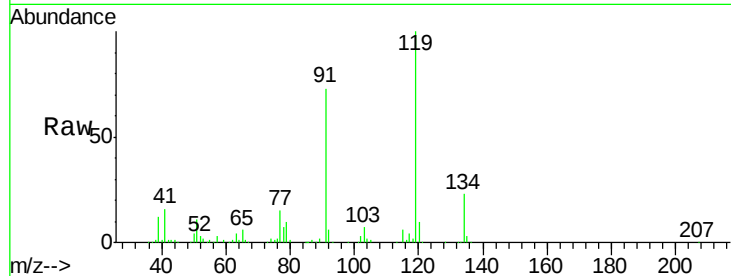
#83
 tert-Butylbenzene
 Concen: 19.015 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	207766		
91	71.8	36.3	108.9	
134	22.7	12.3	36.8	

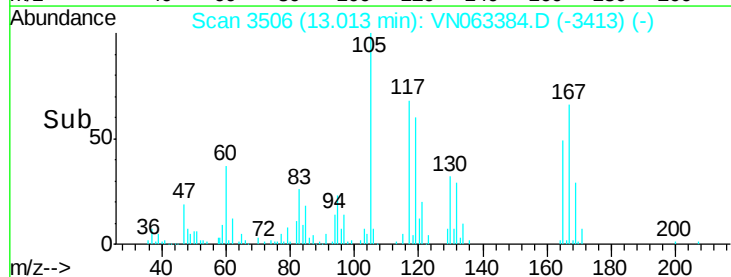
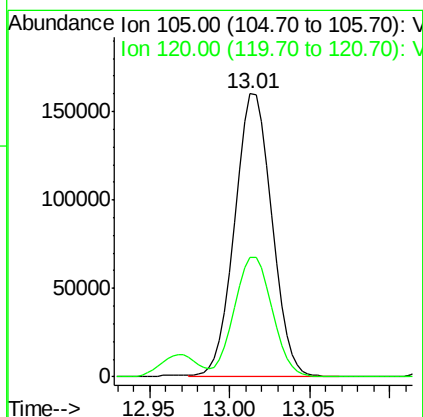
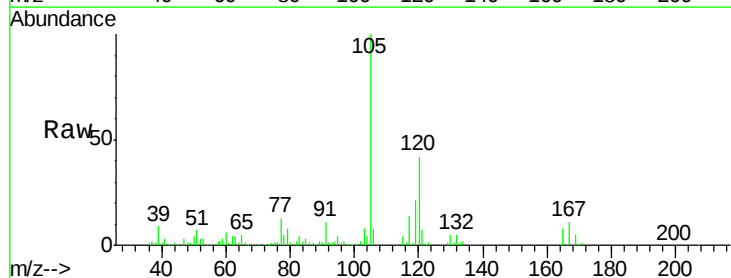
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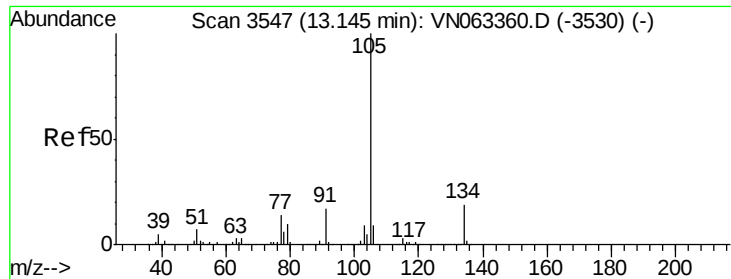
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.838 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	251916		
120	43.5	21.3	63.9	





#85

sec-Butylbenzene

Concen: 18.629 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD02

Tot Ion:105 Resp: 272470

Ion Ratio Lower Upper

105 100

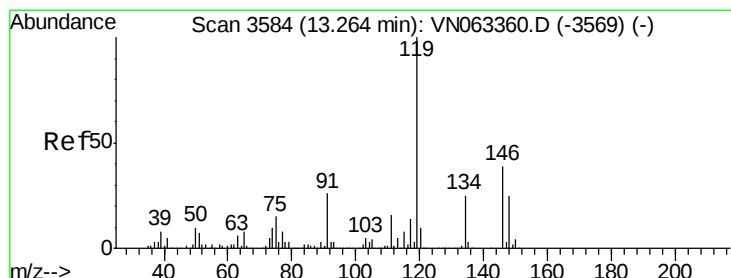
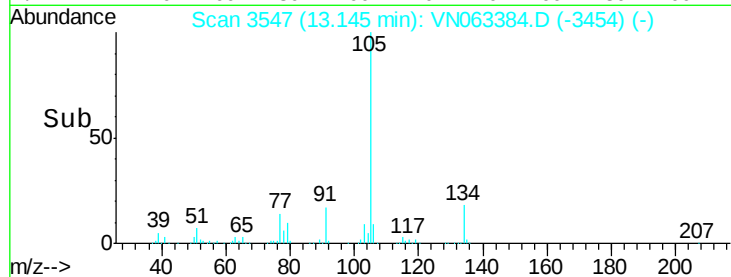
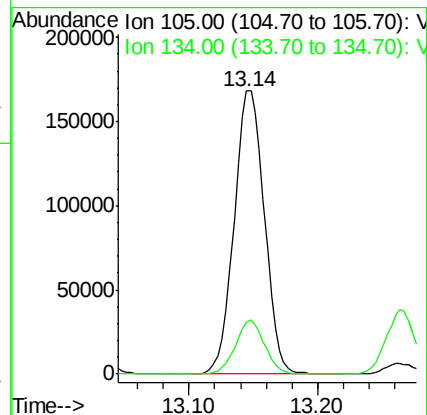
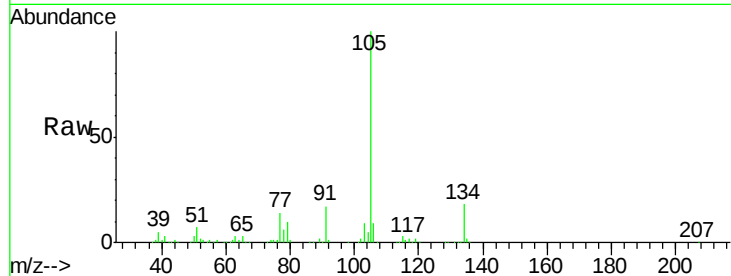
134 18.4 9.3 27.7

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#86

p-Isopropyltoluene

Concen: 18.770 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

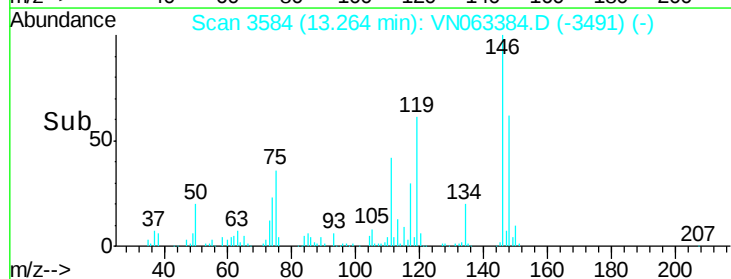
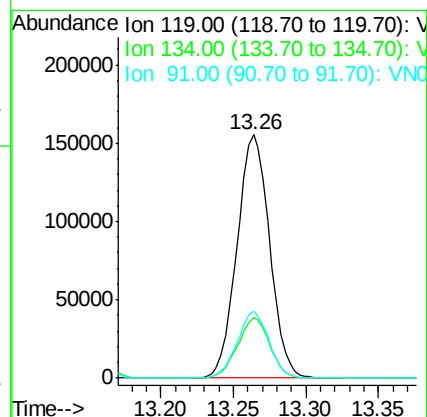
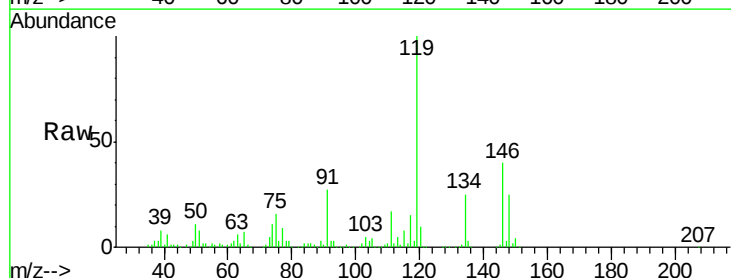
Tgt Ion:119 Resp: 242146

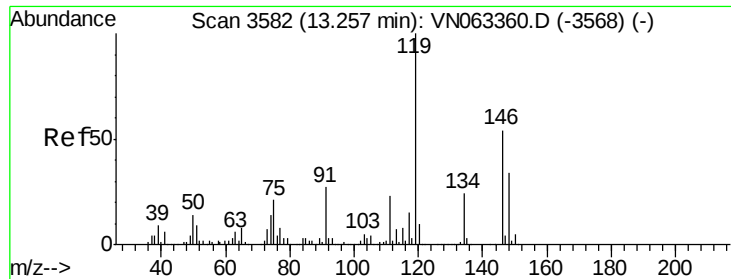
Ion Ratio Lower Upper

119 100

134 24.3 12.5 37.5

91 26.8 13.4 40.1





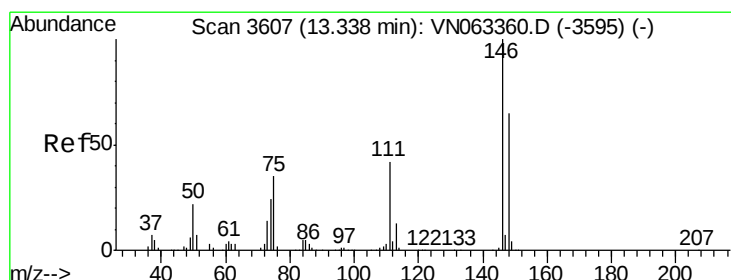
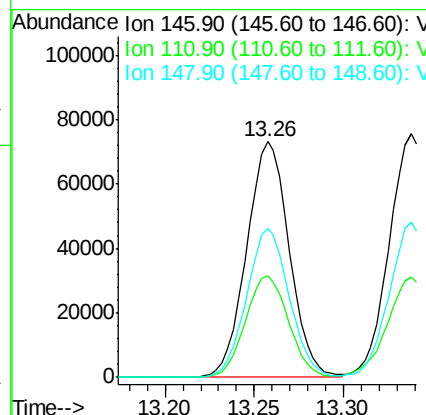
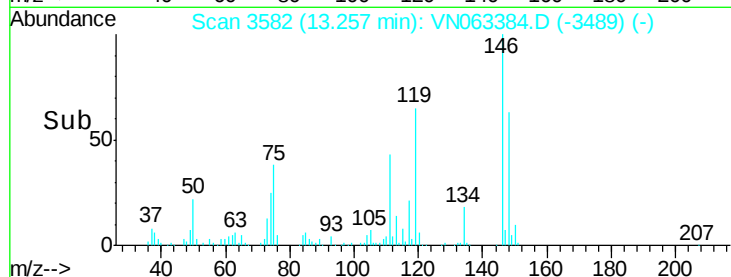
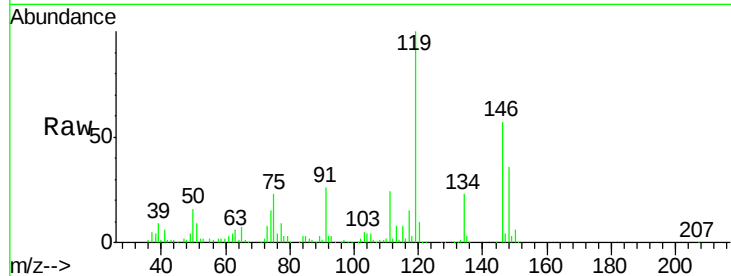
#87
 1,3-Dichlorobenzene
 Concen: 18.375 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	121632		
111	43.6	21.4	64.3	
148	63.2	31.9	95.7	

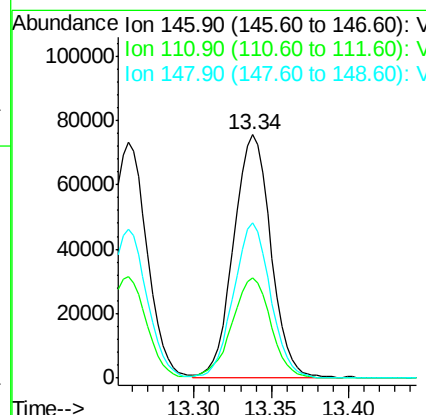
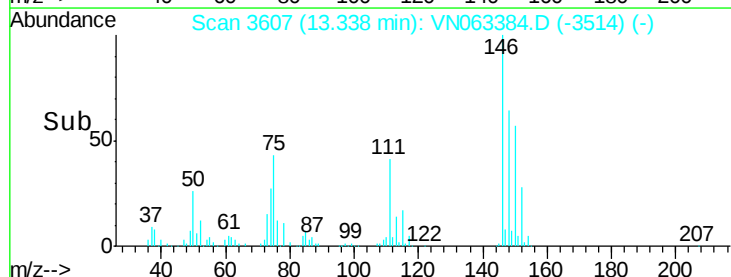
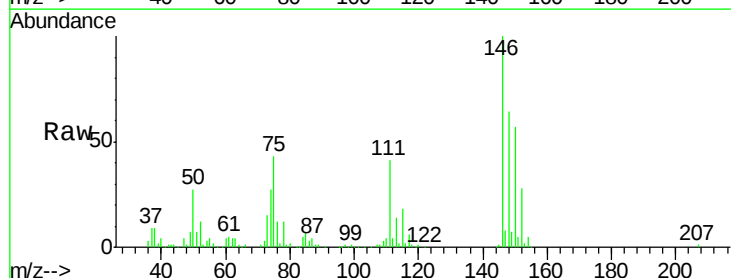
Manual Integrations
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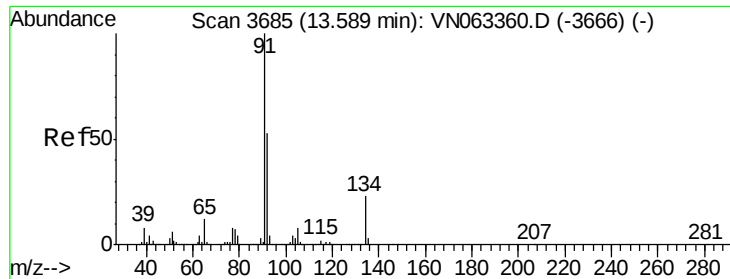
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#88
 1,4-Dichlorobenzene
 Concen: 18.630 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	125376		
111	43.0	21.2	63.6	
148	63.1	31.9	95.9	





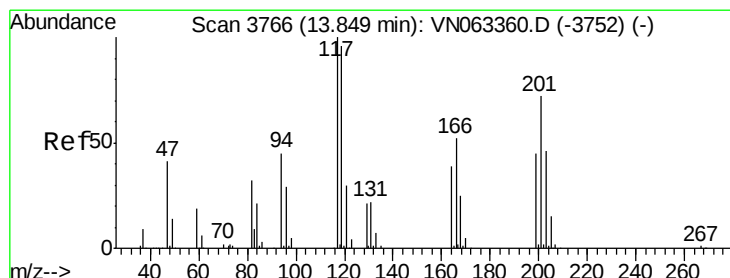
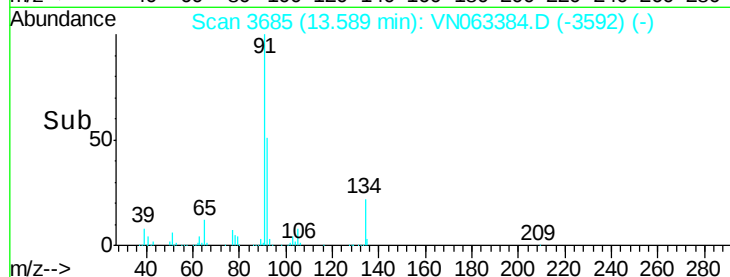
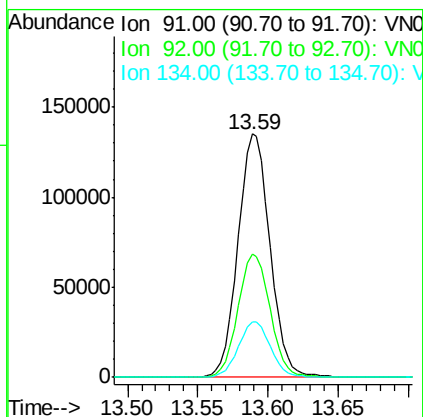
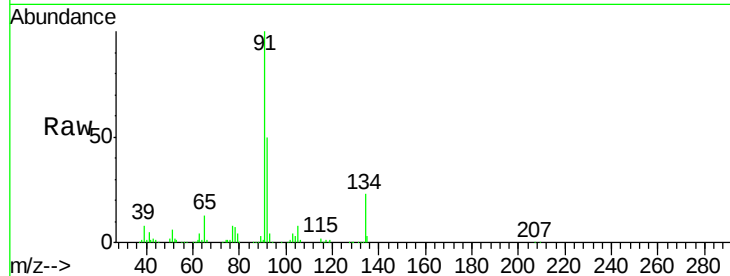
#89
n-Butylbenzene
Concen: 18.118 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.0	78.0
134	22.9	11.7	35.0

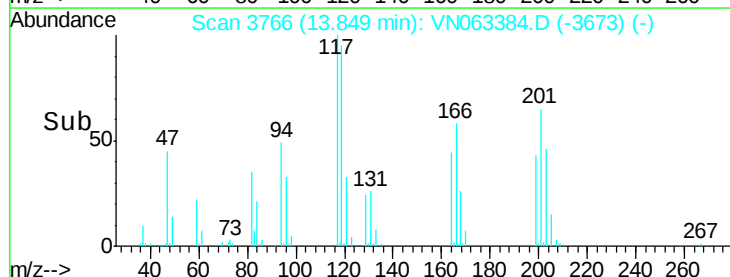
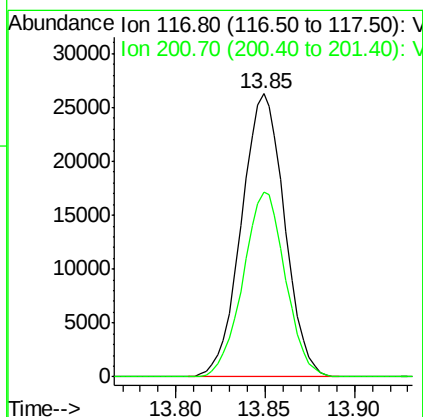
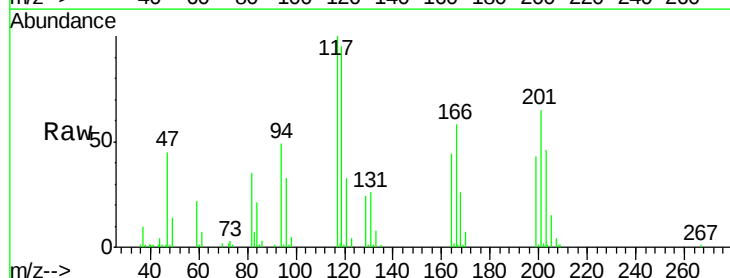
Manual Integrations
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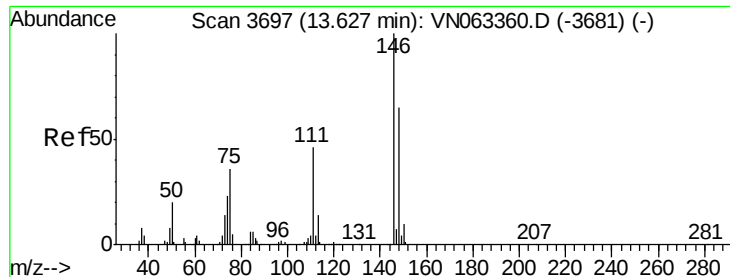
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#90
Hexachloroethane
Concen: 18.057 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063384.D
Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.1	35.5	106.7





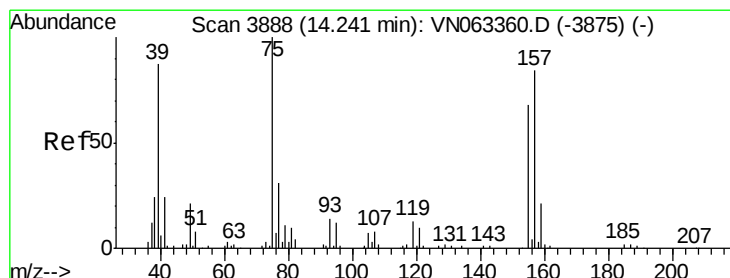
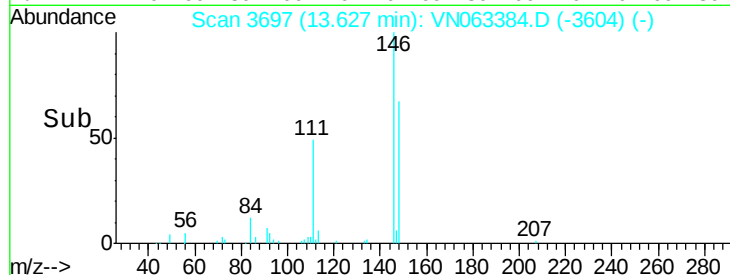
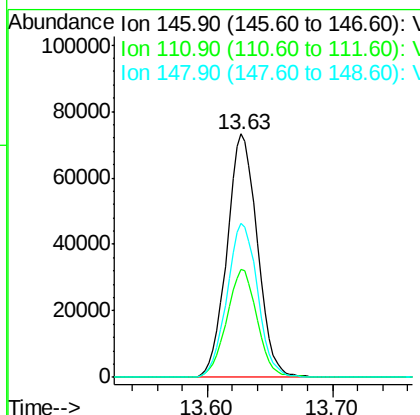
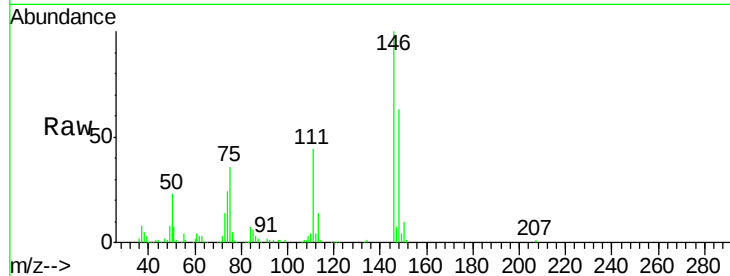
#91
 1,2-Dichlorobenzene
 Concen: 19.042 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123749		
111	44.2	22.4	67.2	
148	63.5	32.0	96.0	

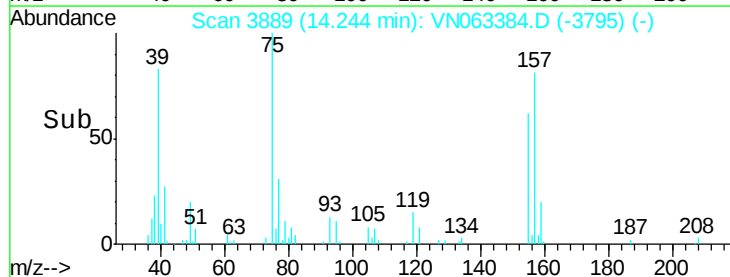
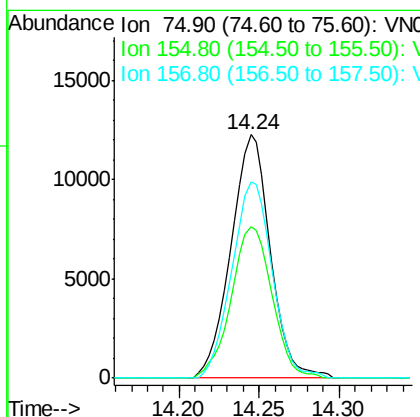
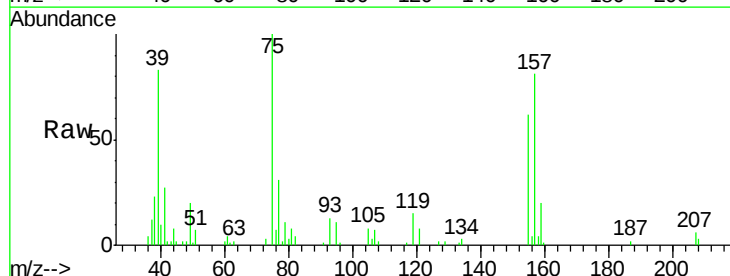
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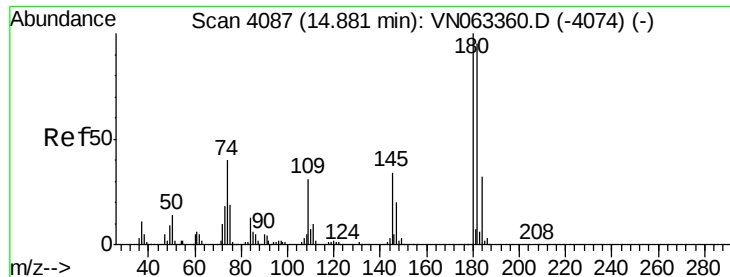
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.559 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20555		
155	64.5	34.6	103.9	
157	82.9	43.7	131.1	





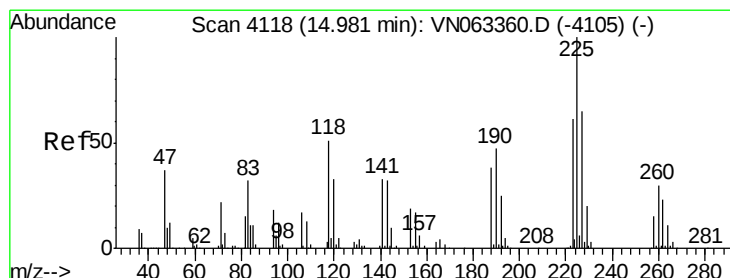
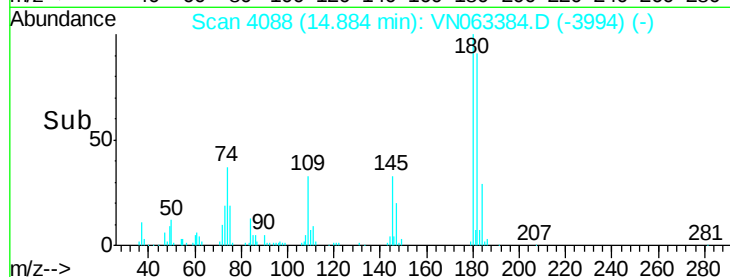
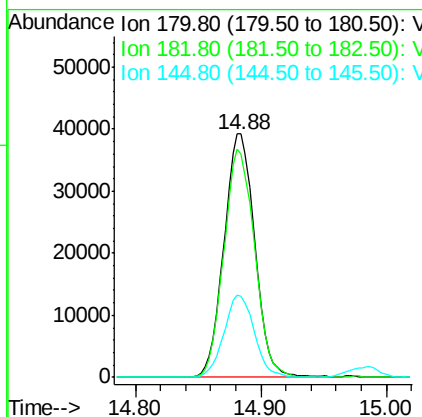
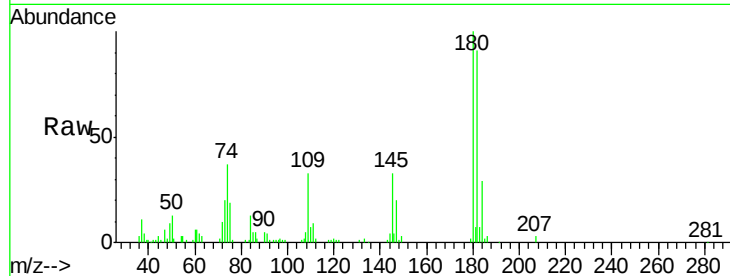
#93
 1,2,4-Trichlorobenzene
 Concen: 17.441 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	66820		
182	93.6	47.3	142.0	
145	33.1	16.6	49.7	

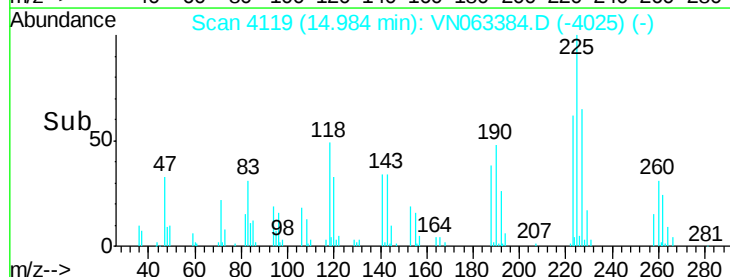
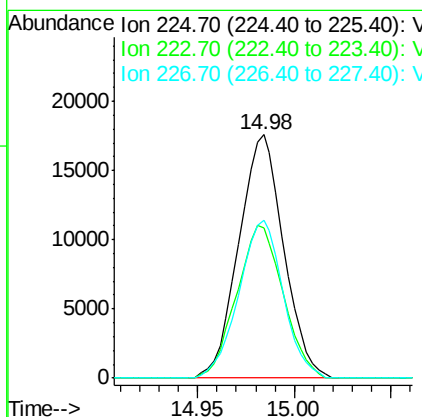
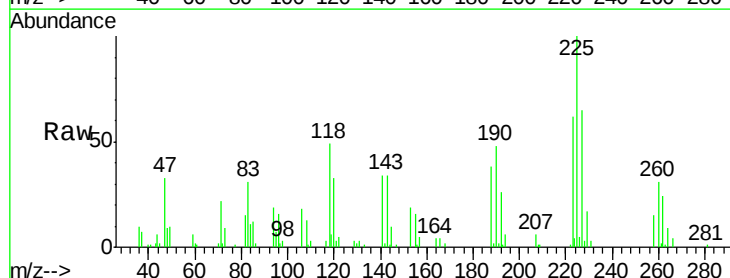
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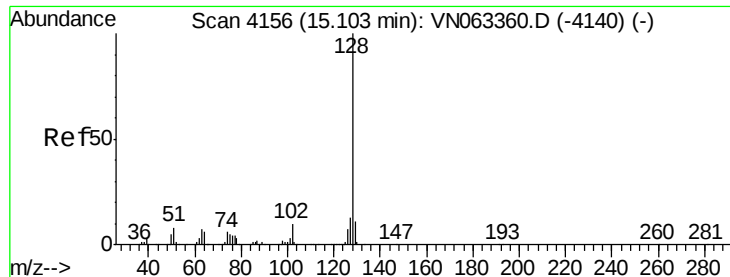
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#94
 Hexachlorobutadiene
 Concen: 17.867 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063384.D
 Acq: 16 Sep 2020 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28338		
223	65.1	30.6	91.6	
227	64.0	31.2	93.6	





#95

Naphthalene

Concen: 17.472 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Instrument :

MSVOA_N

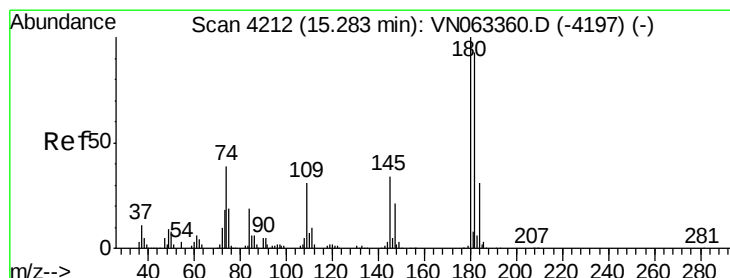
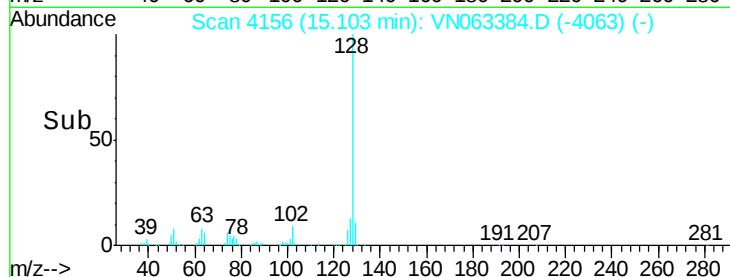
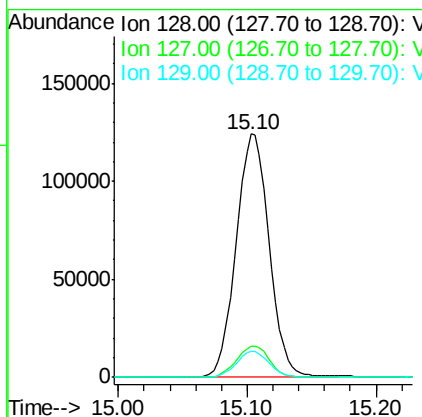
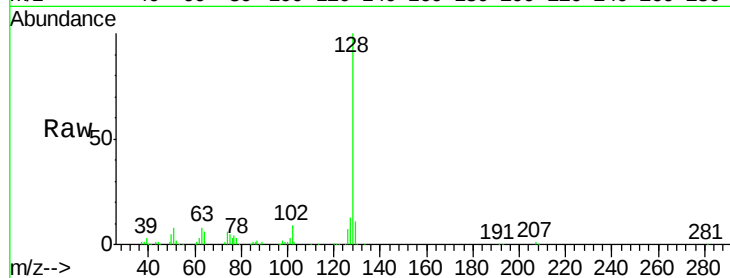
ClientSampleId :

VN0916WBSD02

Tot Ion:	128	Resp:	221156
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.5	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.305 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063384.D

Acq: 16 Sep 2020 23:52

Tgt Ion:	180	Resp:	64061
Ion Ratio	Lower	Upper	
180	100		
182	94.3	46.7	140.1
145	32.6	16.8	50.3

