

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101620\
 Data File : VN064165.D
 Acq On : 16 Oct 2020 15:34
 Operator : JC/MD
 Sample : VN1016WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 4:22:23 PM

Quant Time: Oct 17 01:49:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	482813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	777695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	716232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	321383	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	362970	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	7.55	113	271859	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.06	98	1039699	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.38	95	338384	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	91283	20.067	ug/l	98
3) Chloromethane	2.03	50	121184	21.388	ug/l	100
4) Vinyl Chloride	2.16	62	131776	18.685	ug/l	99
5) Bromomethane	2.54	94	93560	17.678	ug/l	99
6) Chloroethane	2.68	64	91774	16.368	ug/l	93
7) Trichlorofluoromethane	2.99	101	179068	18.460	ug/l	98
8) Diethyl Ether	3.38	74	59147	19.490	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.72	101	98790	20.746	ug/l	98
10) Methyl Iodide	3.91	142	109036	16.242	ug/l	99
11) Tert butyl alcohol	4.75	59	81236	106.698	ug/l	99
12) 1,1-Dichloroethene	3.70	96	88389	18.381	ug/l	94
13) Acrolein	3.57	56	9877	15.794	ug/l	93
14) Allyl chloride	4.28	41	158793	21.164	ug/l	96
15) Acrylonitrile	4.94	53	232672	106.434	ug/l	100
16) Acetone	3.79	43	251369	123.243	ug/l	96
17) Carbon Disulfide	4.02	76	268919	19.566	ug/l	98
18) Methyl Acetate	4.28	43	116665	22.802	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	279054	19.674	ug/l	95
20) Methylene Chloride	4.51	84	117483	18.615	ug/l	92
21) trans-1,2-Dichloroethene	5.00	96	102005	18.710	ug/l	94
22) Diisopropyl ether	5.90	45	328663	22.549	ug/l	88
23) Vinyl Acetate	5.85	43	1451276	111.467	ug/l	95
24) 1,1-Dichloroethane	5.80	63	208230	20.457	ug/l	99
25) 2-Butanone	6.79	43	362469	115.541	ug/l	96
26) 2,2-Dichloropropane	6.78	77	171288	20.227	ug/l	97
27) cis-1,2-Dichloroethene	6.79	96	117291	18.288	ug/l	93
28) Bromochloromethane	7.15	49	112338	23.171	ug/l #	98
29) Tetrahydrofuran	7.17	42	209949	114.509	ug/l	90
30) Chloroform	7.33	83	208810	19.256	ug/l	100
31) Cyclohexane	7.62	56	149537	19.672	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	180068	19.217	ug/l	97
36) 1,1-Dichloropropene	7.76	75	152969	20.407	ug/l	98
37) Ethyl Acetate	6.89	43	142836	21.471	ug/l	98
38) Carbon Tetrachloride	7.74	117	155987	19.352	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	125672	19.942	ug/l	91
40) Benzene	8.01	78	459037	20.222	ug/l	100
41) Methacrylonitrile	7.13	41	63895	22.185	ug/l #	71
42) 1,2-Dichloroethane	8.09	62	173029	21.423	ug/l	99
43) Isopropyl Acetate	8.13	43	241734	21.898	ug/l #	88
44) Trichloroethene	8.80	130	116319	19.487	ug/l	96
45) 1,2-Dichloropropane	9.09	63	128381	21.586	ug/l	98
46) Dibromomethane	9.18	93	82583	19.572	ug/l	96
47) Bromodichloromethane	9.37	83	169328	20.511	ug/l	99
48) Methyl methacrylate	9.17	41	116274	22.802	ug/l	94
49) 1,4-Dioxane	9.17	88	31529	407.190	ug/l	91
51) 4-Methyl-2-Pentanone	9.95	43	765329	117.161	ug/l	96
52) Toluene	10.13	92	280885	20.138	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	173274	20.457	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	191630	20.590	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	112467	19.464	ug/l	98
56) Ethyl methacrylate	10.40	69	146801	19.027	ug/l	89
57) 1,3-Dichloropropane	10.68	76	191706	20.146	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	420411	106.129	ug/l	96
59) 2-Hexanone	10.72	43	548422	112.483	ug/l	94
60) Dibromochloromethane	10.87	129	119008	18.335	ug/l	98
61) 1,2-Dibromoethane	10.98	107	112665	19.156	ug/l	99
64) Tetrachloroethene	10.60	164	105861	19.604	ug/l	97
65) Chlorobenzene	11.41	112	292305	19.380	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	110011	19.211	ug/l	99
67) Ethyl Benzene	11.49	91	503393	19.924	ug/l	99
68) m/p-Xylenes	11.60	106	381014	37.971	ug/l	98
69) o-Xylene	11.92	106	173923	18.481	ug/l	98
70) Styrene	11.94	104	297952	18.667	ug/l	98
71) Bromoform	12.10	173	79598	18.261	ug/l #	98
73) Isopropylbenzene	12.23	105	456455	19.608	ug/l	100
74) N-amyl acetate	12.05	43	189566	21.744	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	155477	19.398	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	143572m	19.042	ug/l	
77) Bromobenzene	12.50	156	114511	18.119	ug/l	85
78) n-propylbenzene	12.57	91	537835	20.700	ug/l	98
79) 2-Chlorotoluene	12.65	91	323377	19.569	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	380385	20.357	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	50964	20.651	ug/l	93
82) 4-Chlorotoluene	12.75	91	338520	20.325	ug/l	99
83) tert-Butylbenzene	12.97	119	303025	19.609	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	384060	19.832	ug/l	98
85) sec-Butylbenzene	13.15	105	405186	20.396	ug/l	99
86) p-Isopropyltoluene	13.26	119	351423	19.117	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	202946	19.273	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	203007	18.849	ug/l	98
89) n-Butylbenzene	13.59	91	302135	20.872	ug/l	97
90) Hexachloroethane	13.85	117	63722	19.274	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	200606	19.141	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29205	18.932	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	87209	19.048	ug/l	99
94) Hexachlorobutadiene	14.98	225	51822	20.756	ug/l	96
95) Naphthalene	15.10	128	246656	18.287	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	88351	19.067	ug/l	96

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

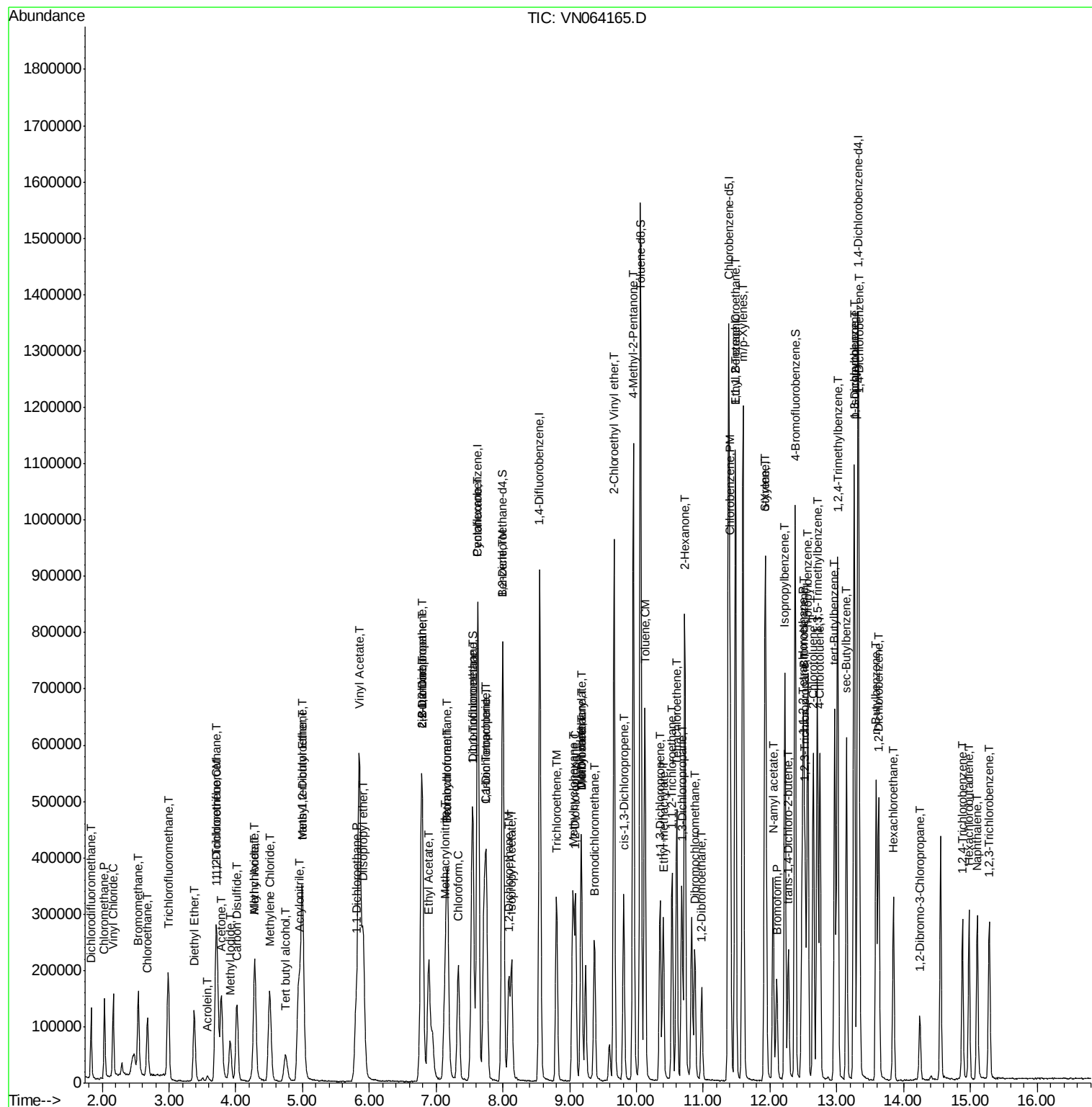
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101620\
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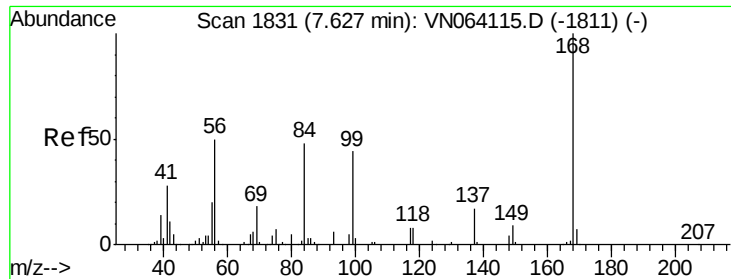
Instrument :
 MSVOA_N
 Client Sample Id :
 VN1016WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion:168 Resp: 482813

Ion Ratio Lower Upper

168 100

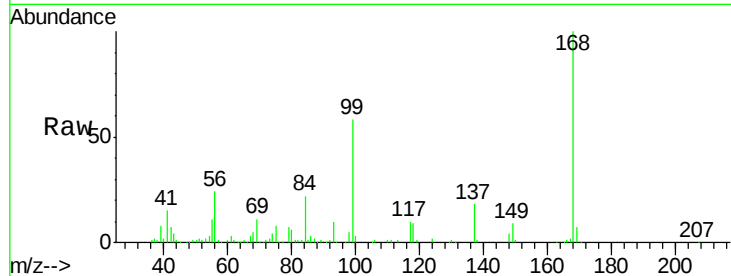
99 57.6 43.6 65.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

200000

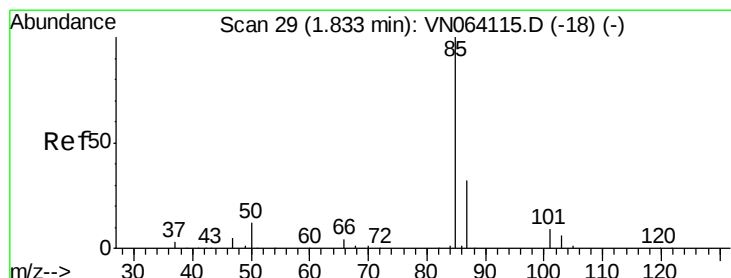
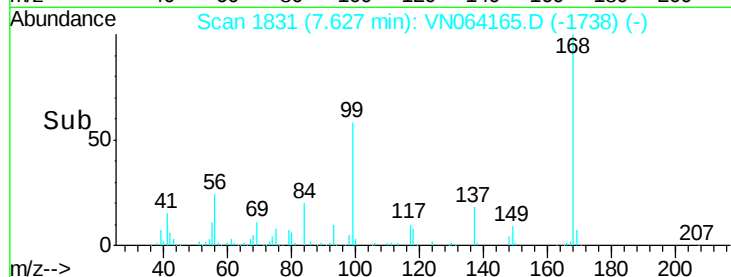
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 20.067 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064165.D

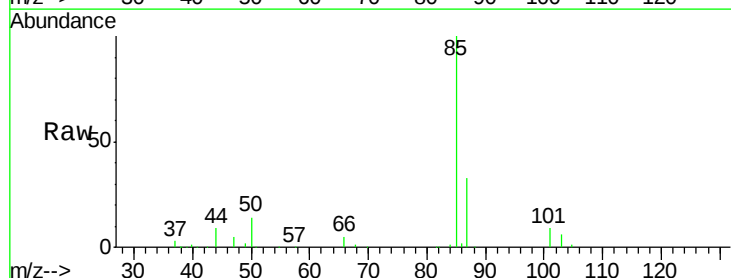
Acq: 16 Oct 2020 15:34

Tgt Ion: 85 Resp: 91283

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

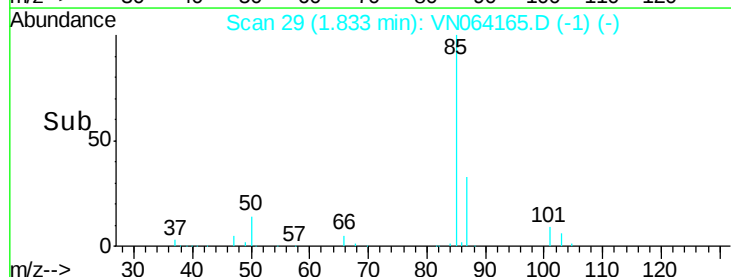
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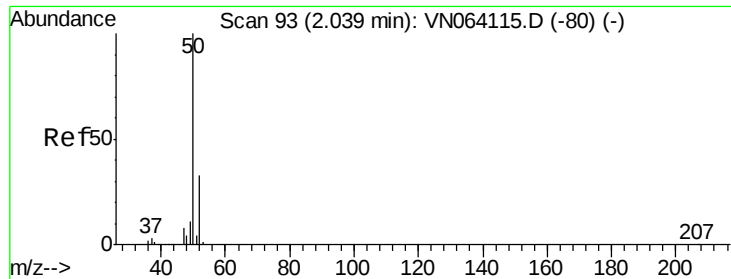
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 21.388 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.01 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 50 Resp: 121184

Ion Ratio Lower Upper

50 100

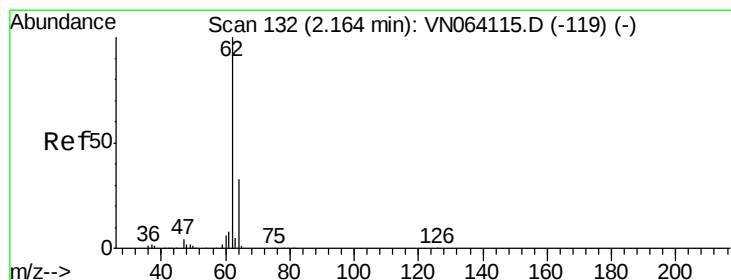
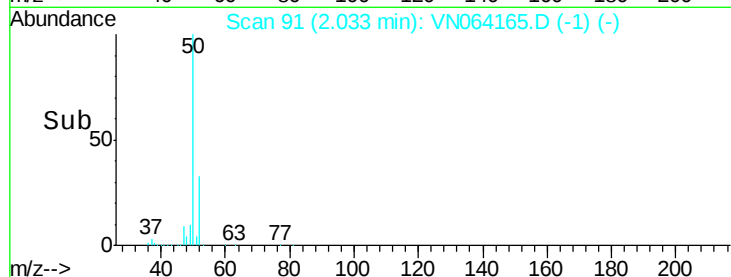
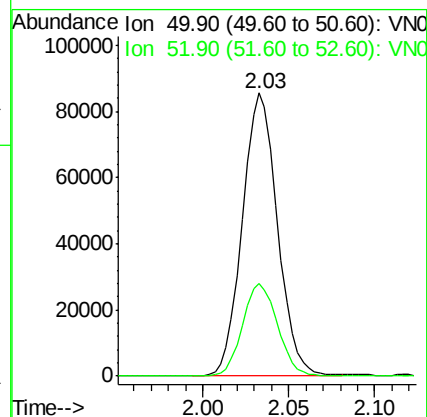
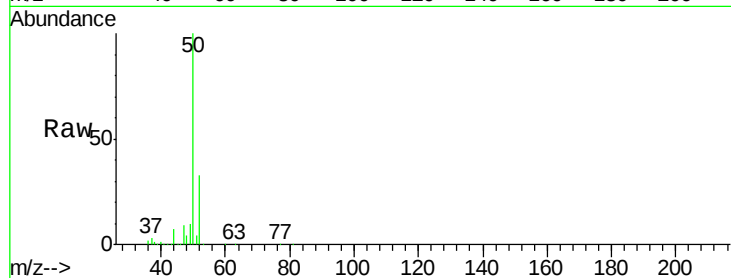
52 32.5 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.685 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064165.D

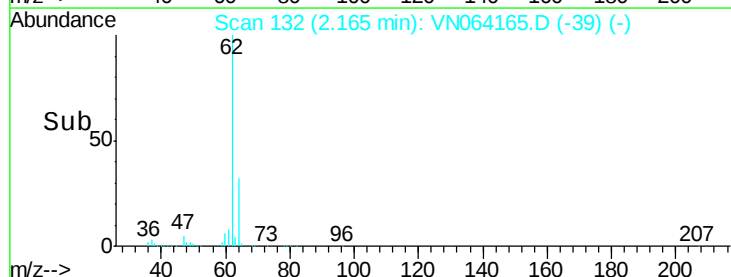
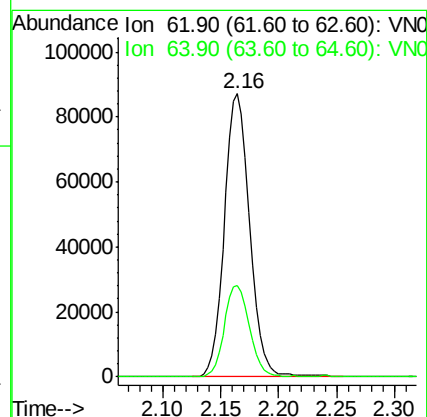
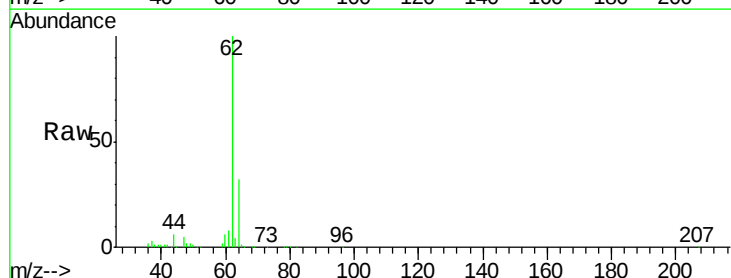
Acq: 16 Oct 2020 15:34

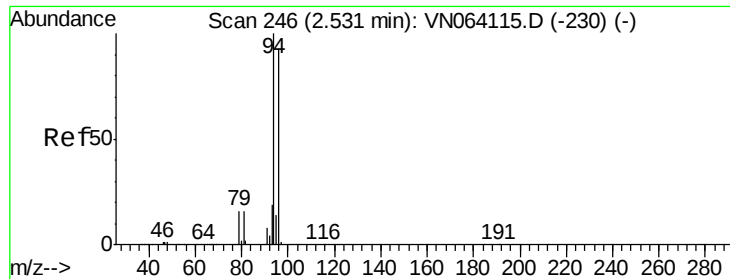
Tgt Ion: 62 Resp: 131776

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.4





#5

Bromomethane

Concen: 17.678 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

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Tot Ion: 94 Resp: 93560

Ion Ratio Lower Upper

94 100

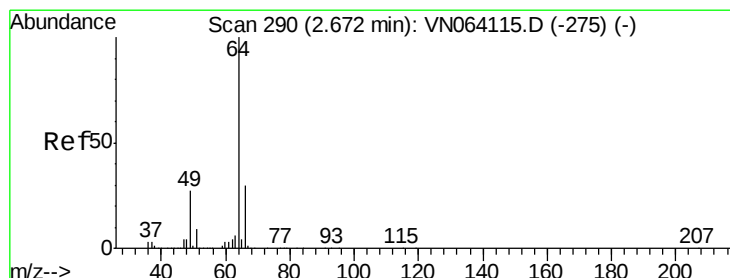
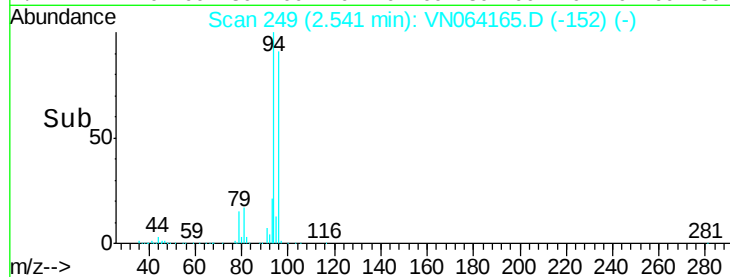
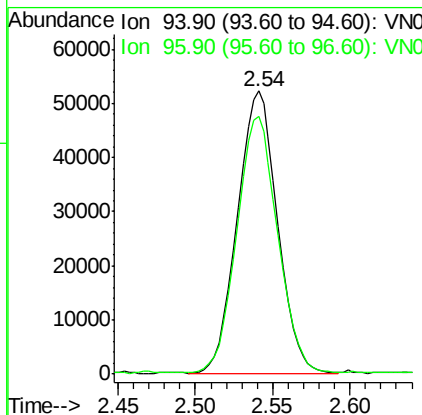
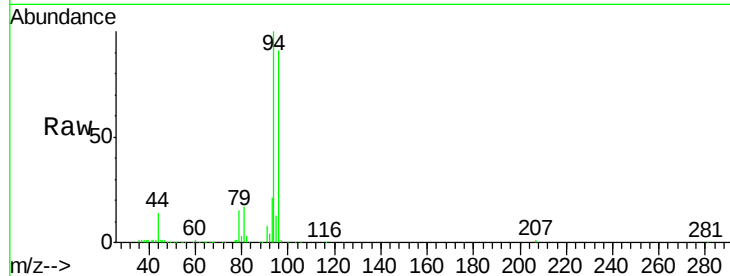
96 90.8 73.5 110.3

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#6

Chloroethane

Concen: 16.368 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064165.D

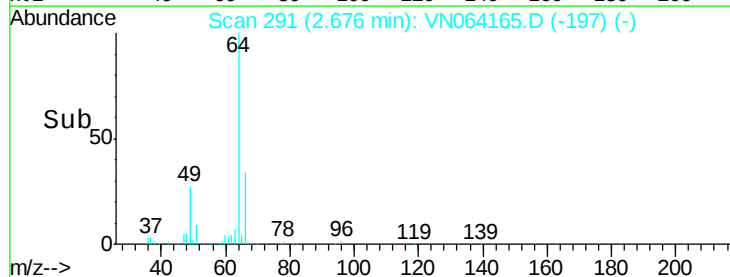
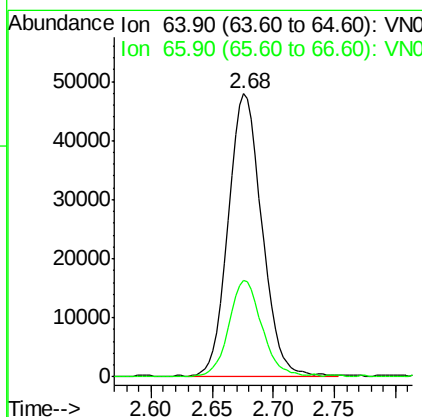
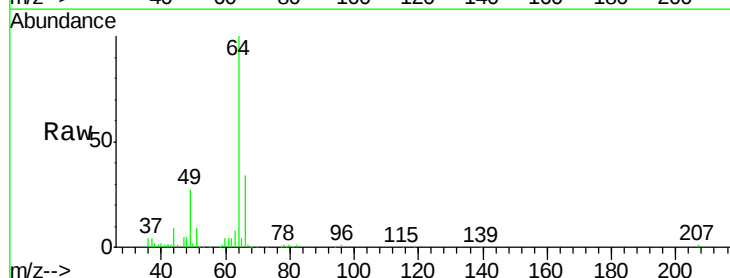
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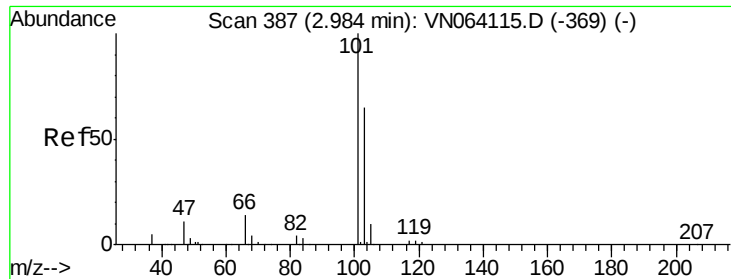
Tgt Ion: 64 Resp: 91774

Ion Ratio Lower Upper

64 100

66 34.0 24.2 36.2





#7

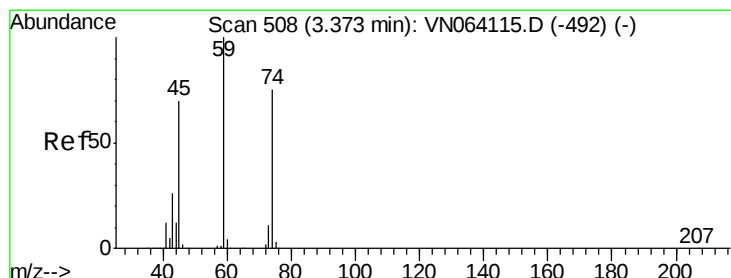
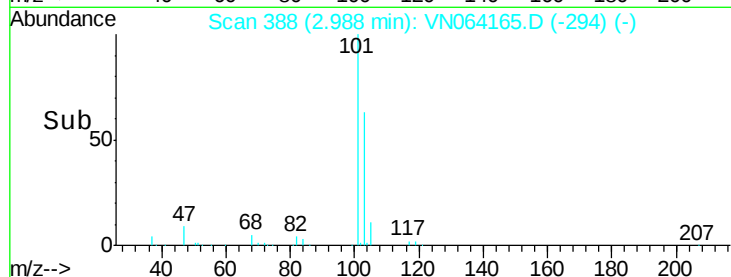
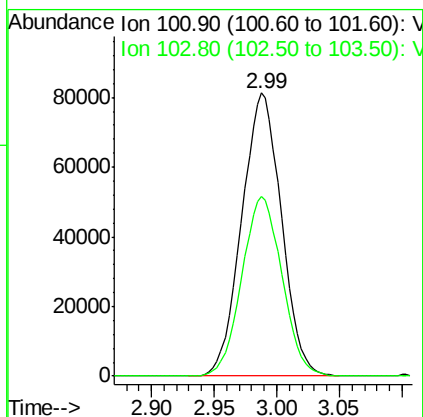
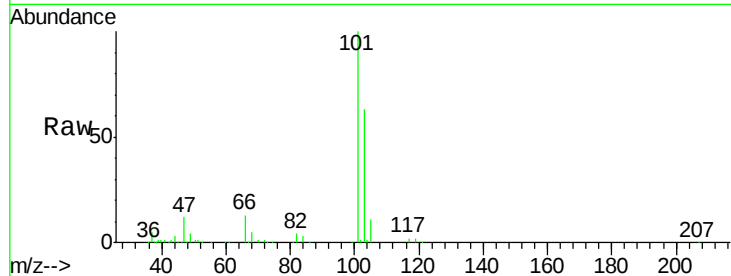
Trichlorofluoromethane
Concen: 18.460 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064165.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.8	77.6

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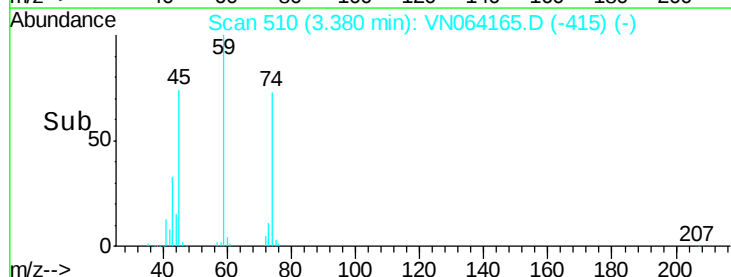
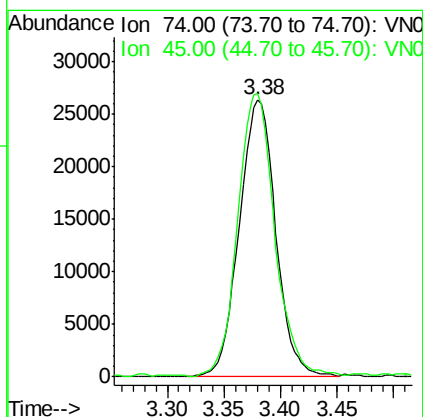
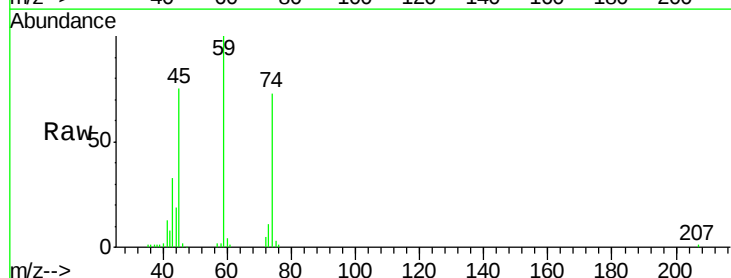
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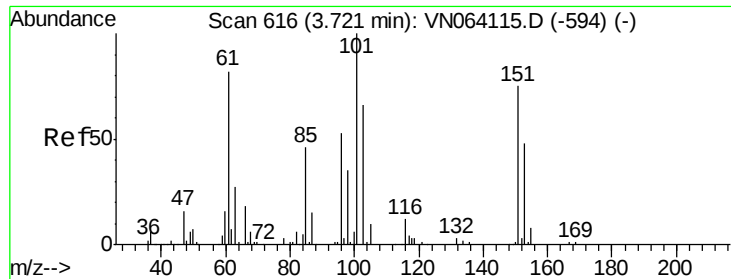


#8

Diethyl Ether
Concen: 19.490 ug/l
RT: 3.38 min Scan# 510
Delta R.T. 0.01 min
Lab File: VN064165.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	47.0	141.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.746 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

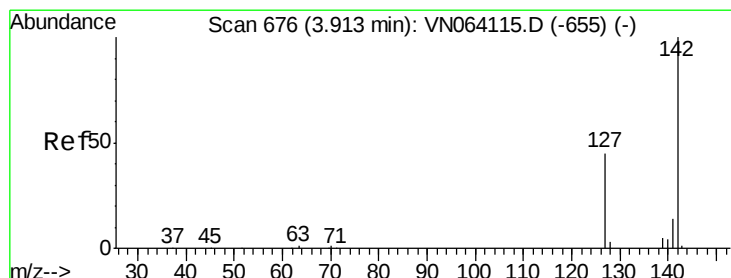
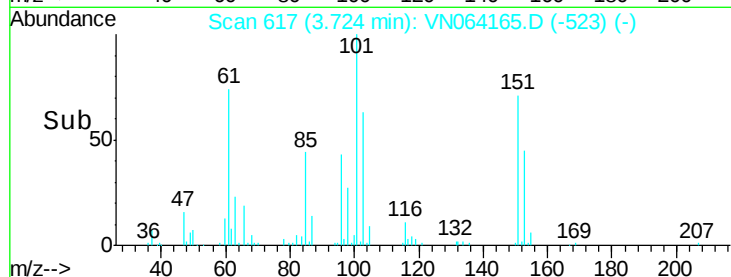
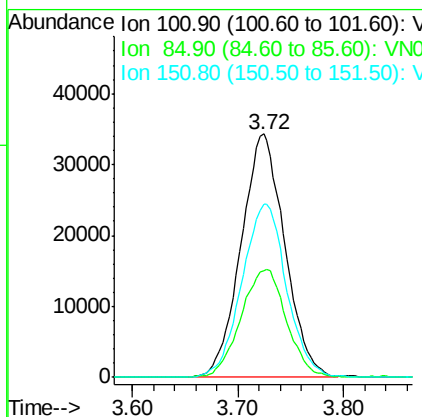
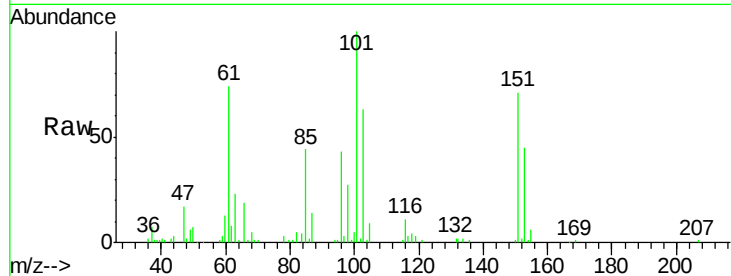
ClientSampleId :

VN1016WBS01

Tot Ion:	101	Resp:	98790
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.9	55.3
151	72.7	60.7	91.1

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#10

Methyl Iodide

Concen: 16.242 ug/l

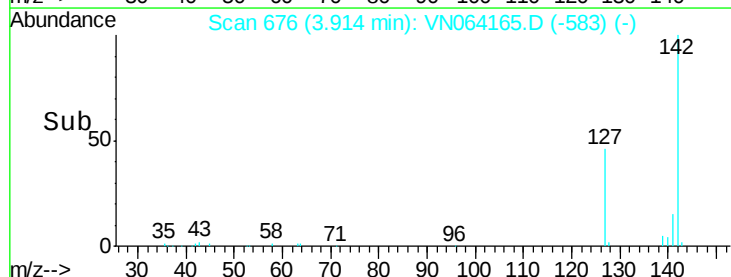
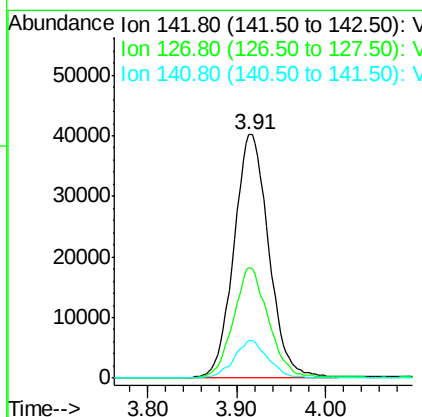
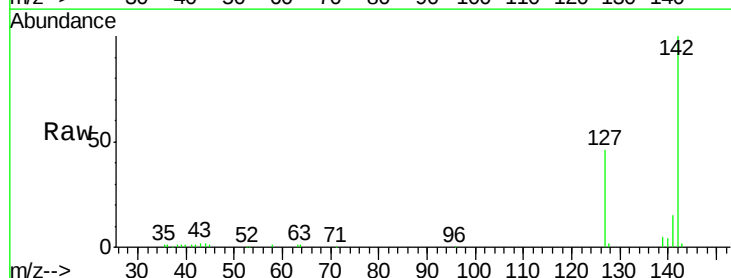
RT: 3.91 min Scan# 676

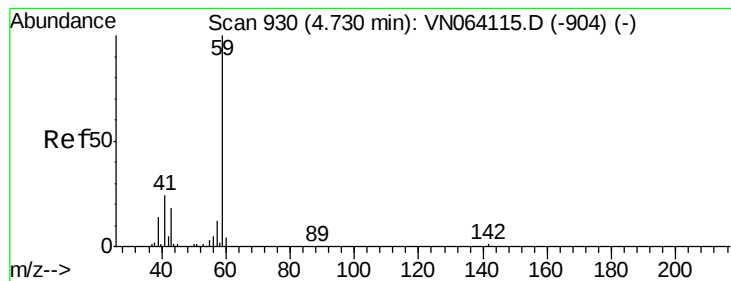
Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Tgt Ion:	142	Resp:	109036
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.3	54.5
141	15.0	11.6	17.4





#11

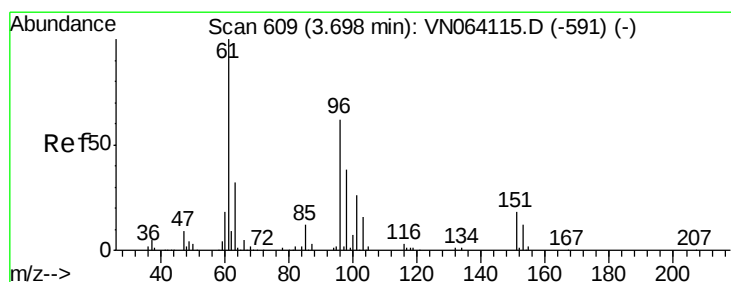
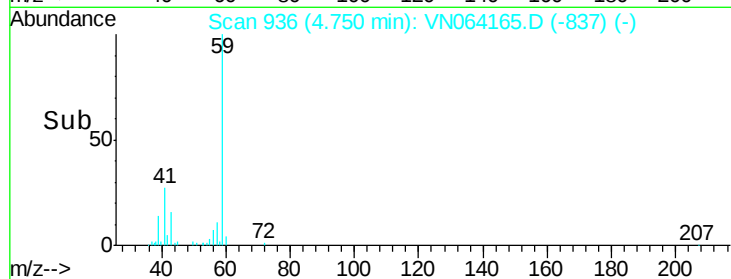
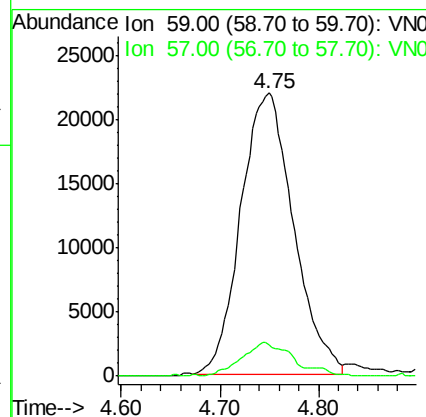
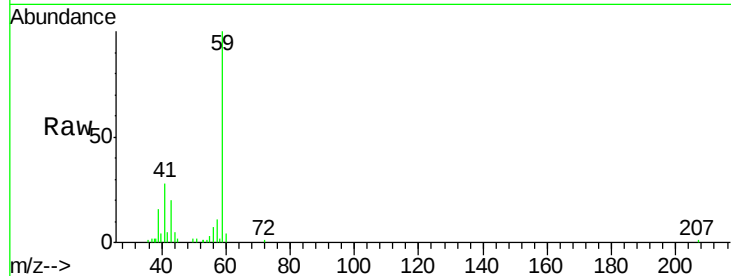
Tert butyl alcohol
 Concen: 106.698 ug/l
 RT: 4.75 min Scan# 936
 Delta R.T. 0.02 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion	59	Resp	81236
Ion Ratio	100	Lower	Upper
59	100		
57	10.8	8.9	13.3

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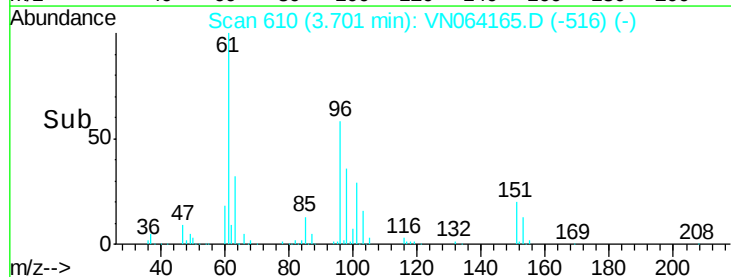
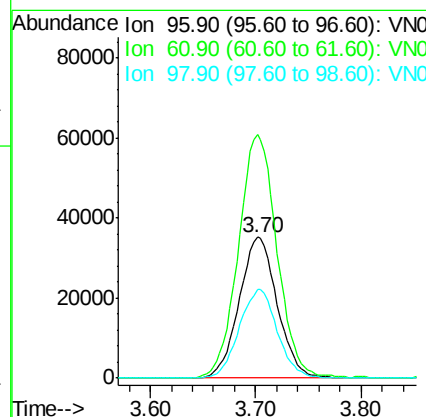
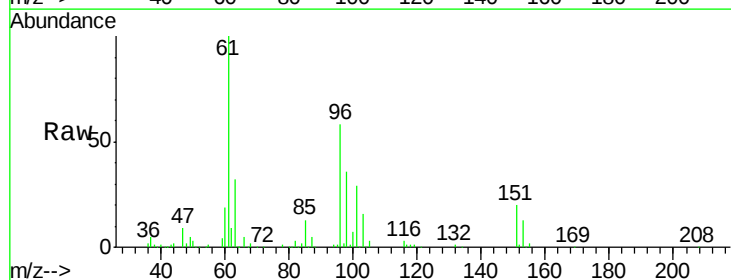
MMDadoda
 10/19/2020 4:22:23 PM

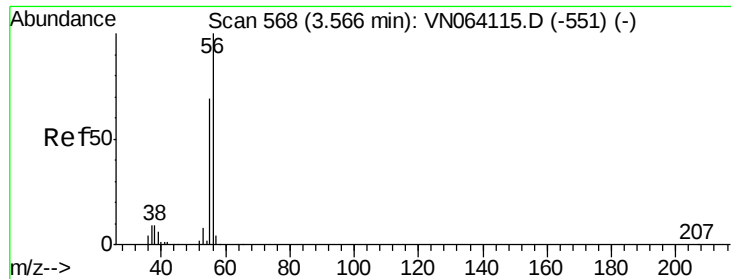


#12

1,1-Dichloroethene
 Concen: 18.381 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Tgt Ion	96	Resp	88389
Ion Ratio	100	Lower	Upper
96	100		
61	172.5	129.9	194.9
98	62.6	48.9	73.3





#13

Acrolein

Concen: 15.794 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 56 Resp: 9877

Ion Ratio Lower Upper

56 100

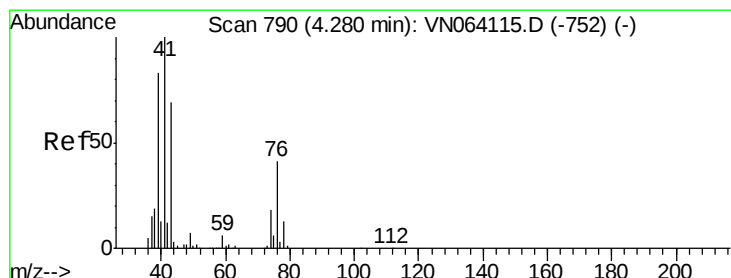
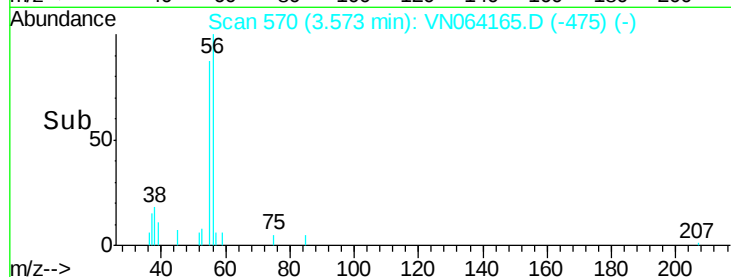
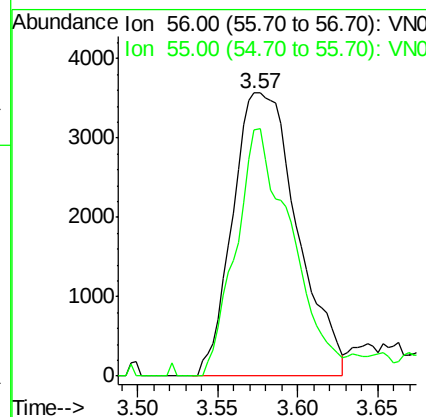
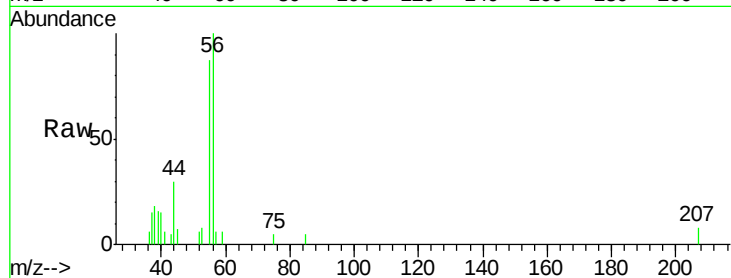
55 75.5 55.8 83.6

Manual Integrations

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#14

Allyl chloride

Concen: 21.164 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

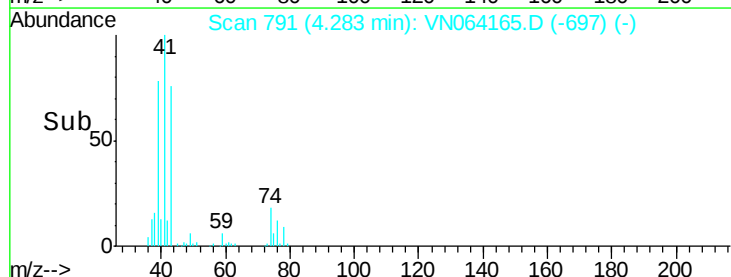
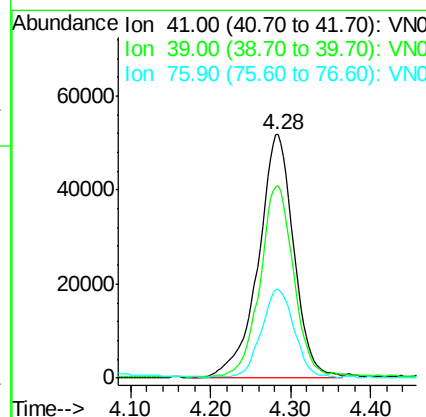
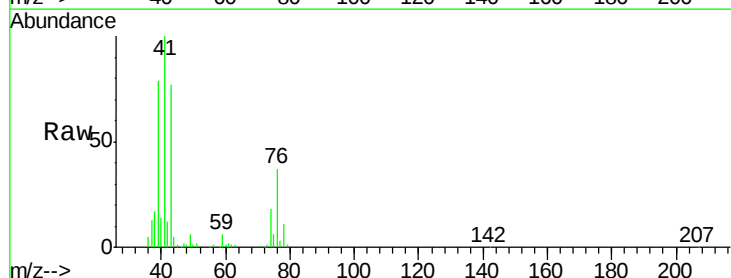
Tgt Ion: 41 Resp: 158793

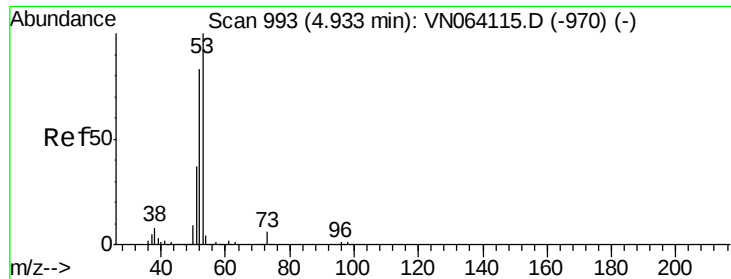
Ion Ratio Lower Upper

41 100

39 73.6 60.5 90.7

76 32.9 29.5 44.3





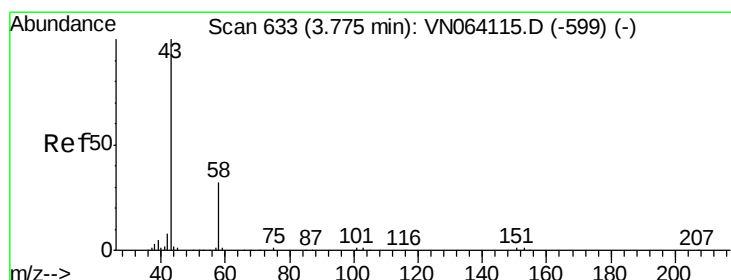
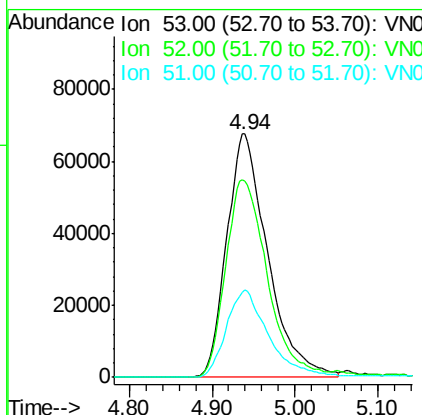
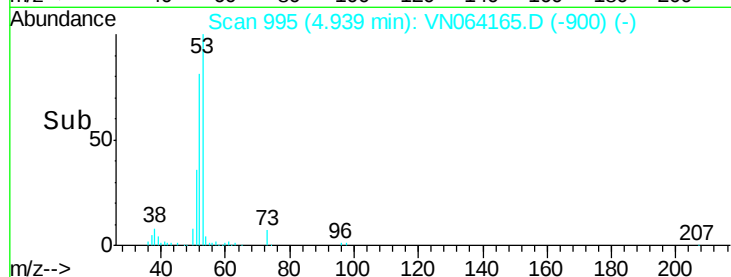
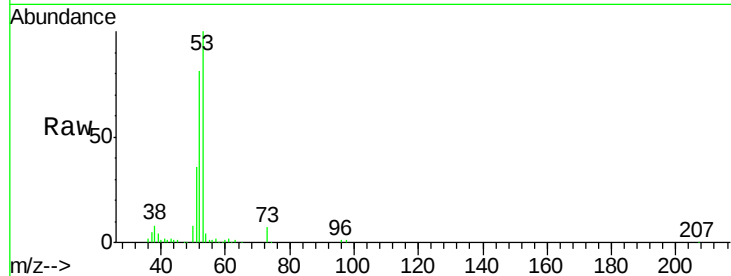
#15
 Acrylonitrile
 Concen: 106.434 ug/l
 RT: 4.94 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion:	53	Resp:	232672
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.8	98.6
51	36.9	29.4	44.2

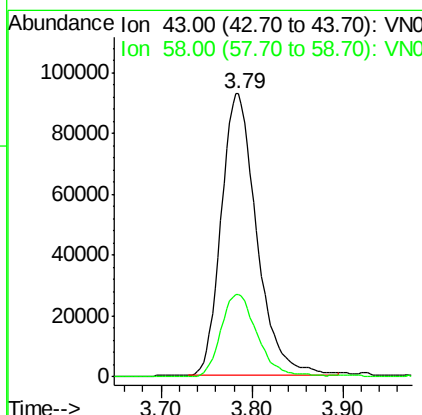
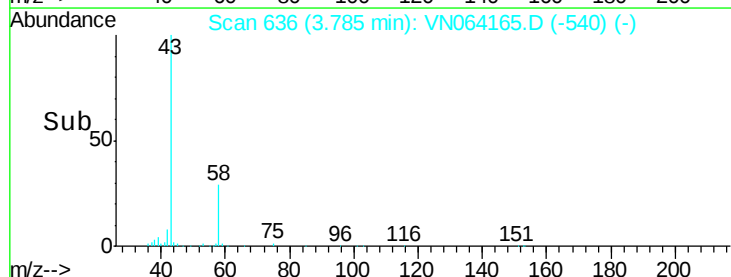
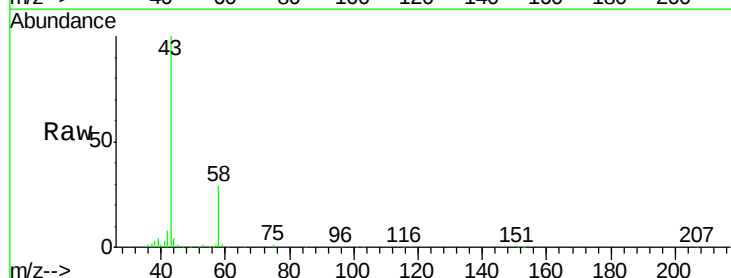
Manual Integrations
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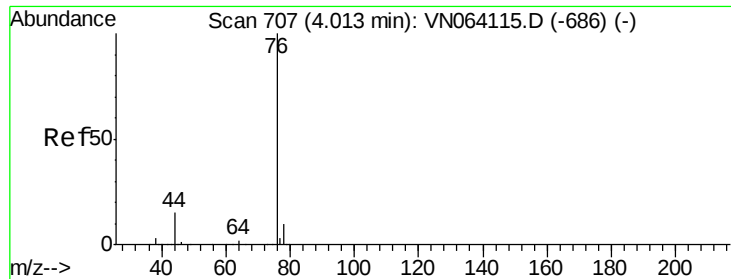
MMDadoda
 10/19/2020 4:22:23 PM



#16
 Acetone
 Concen: 123.243 ug/l
 RT: 3.79 min Scan# 636
 Delta R.T. 0.01 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Tgt Ion:	43	Resp:	251369
Ion	Ratio	Lower	Upper
43	100		
58	29.0	25.2	37.8





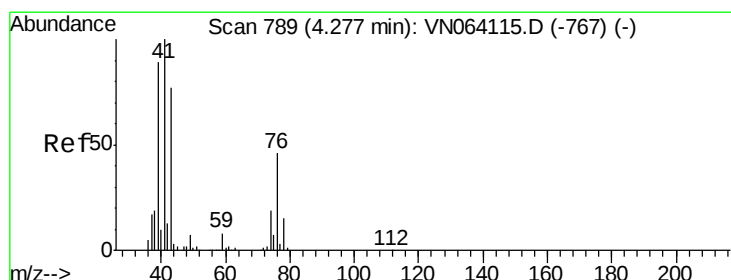
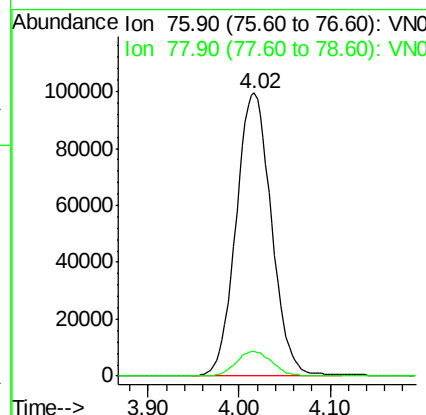
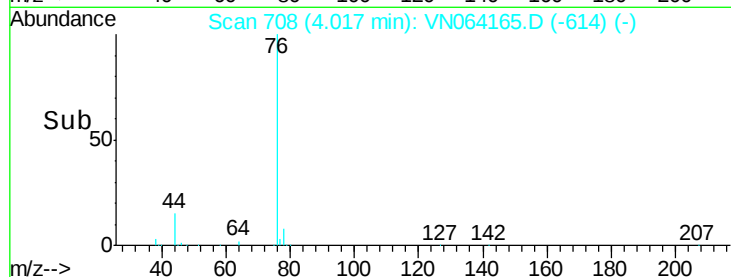
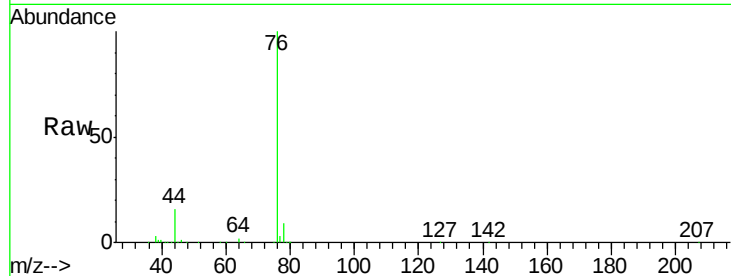
#17
Carbon Disulfide
Concen: 19.566 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.6	11.4

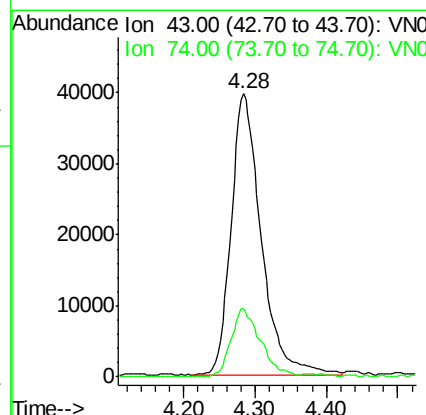
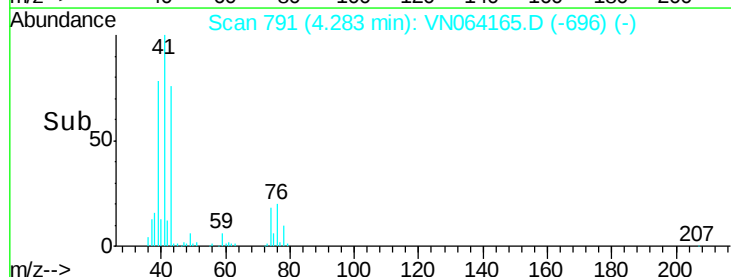
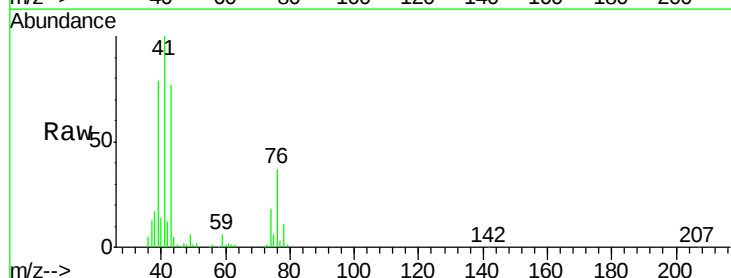
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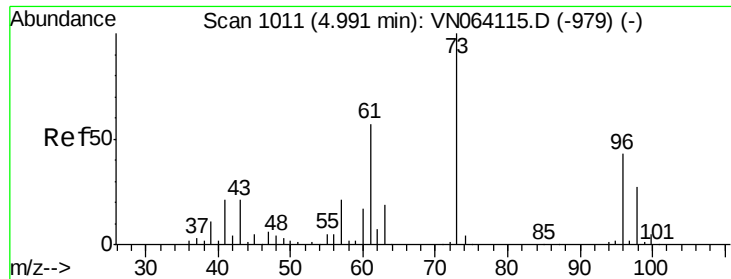
MMDadoda
10/19/2020 4:22:23 PM



#18
Methyl Acetate
Concen: 22.802 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.7	29.5





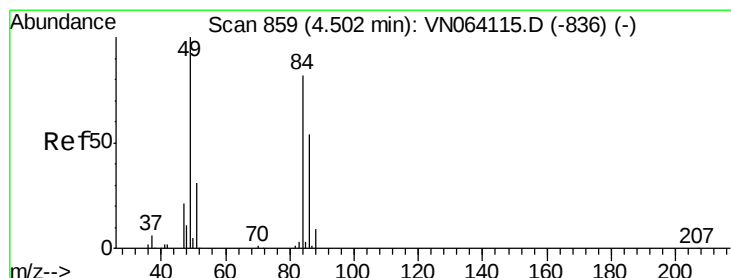
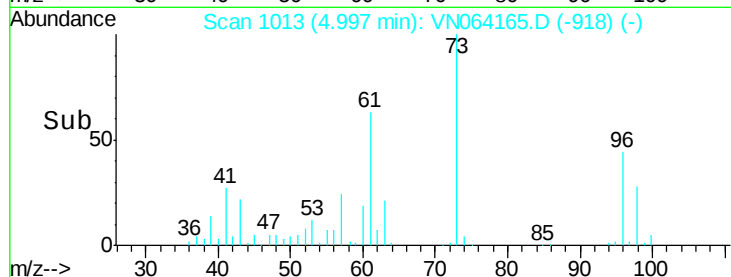
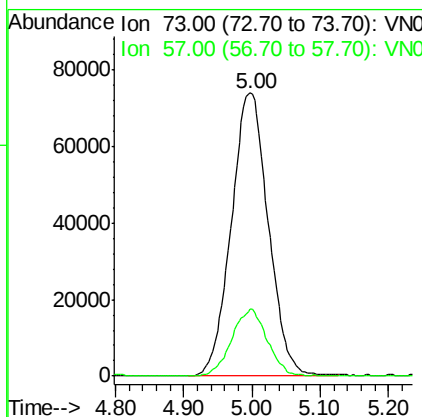
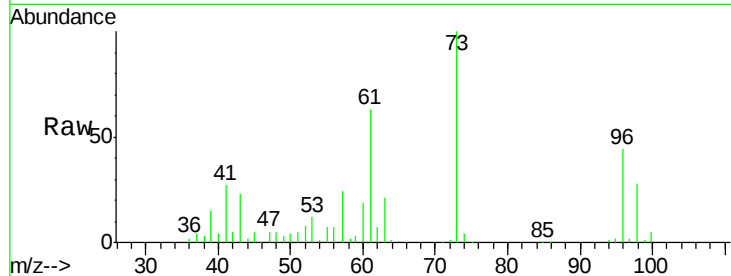
#19
Methvl tert-butvl Ether
Concen: 19.674 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion: 73 Resp: 279054
Ion Ratio Lower Upper
73 100
57 23.7 17.0 25.4

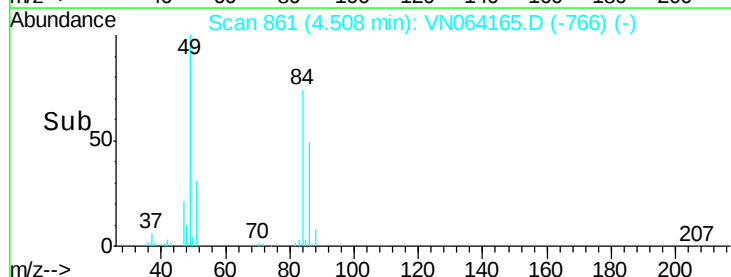
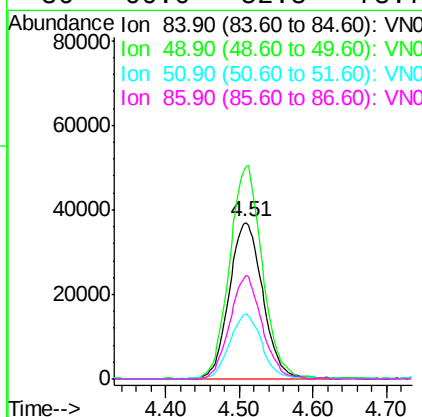
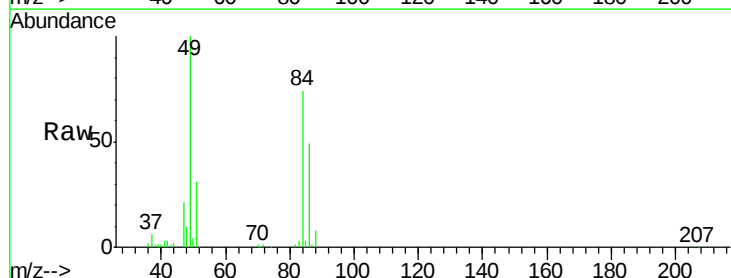
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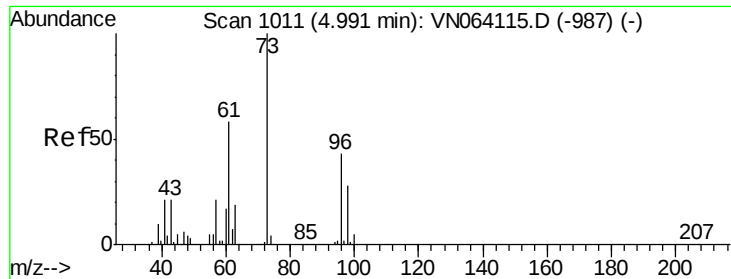
MMDadoda
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#20
Methylene Chloride
Concen: 18.615 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion: 84 Resp: 117483
Ion Ratio Lower Upper
84 100
49 135.7 97.4 146.0
51 41.0 29.7 44.5
86 66.0 52.5 78.7





#21

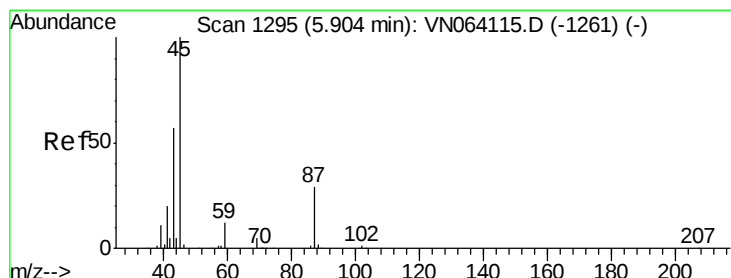
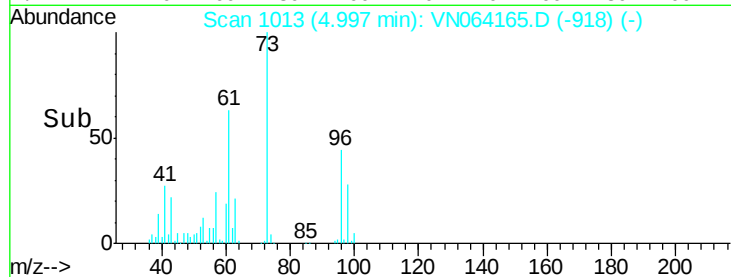
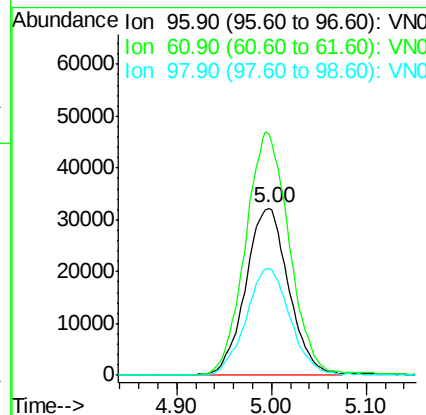
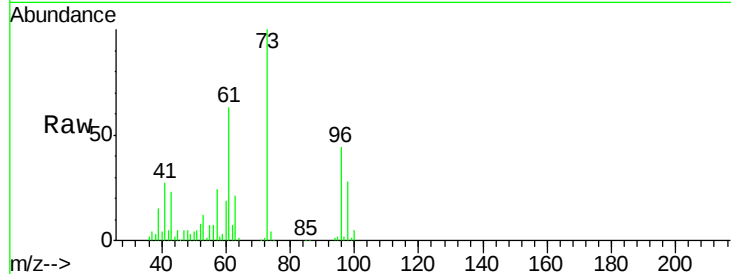
trans-1,2-Dichloroethene
Concen: 18.710 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.2	107.0	160.4
98	64.2	51.0	76.6

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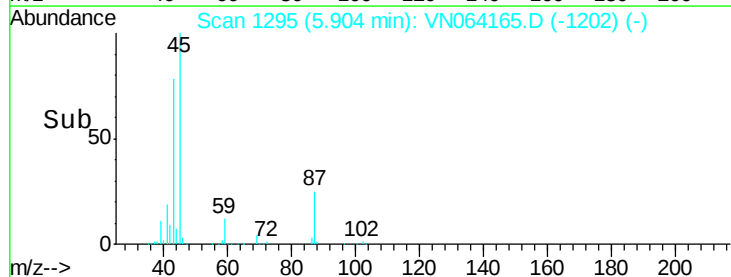
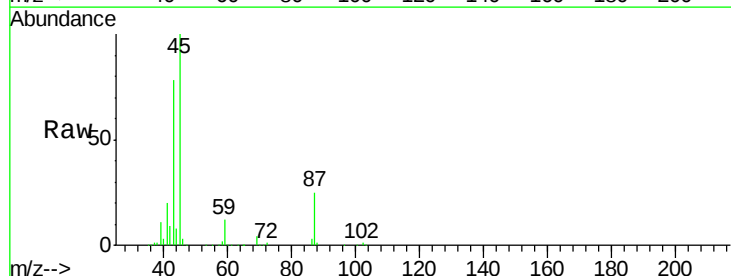
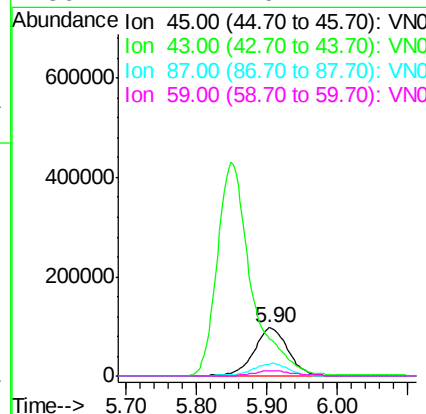
MMDadoda
10/19/2020 4:22:23 PM

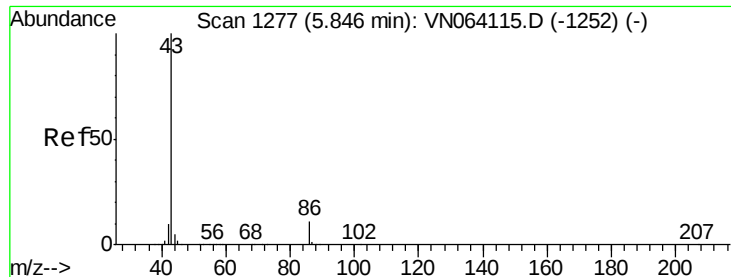


#22

Diisopropyl ether
Concen: 22.549 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.4	50.9	76.3
87	24.9	23.5	35.3
59	11.1	9.4	14.2





#23

Vinyl Acetate

Concen: 111.467 ug/l

RT: 5.85 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 43 Resp: 1451276

Ion Ratio Lower Upper

43 100

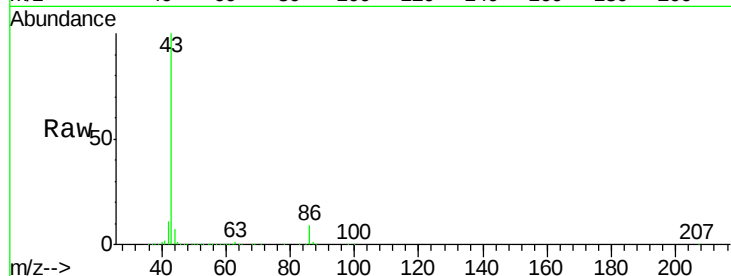
86 9.3 8.8 13.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

5.85

400000

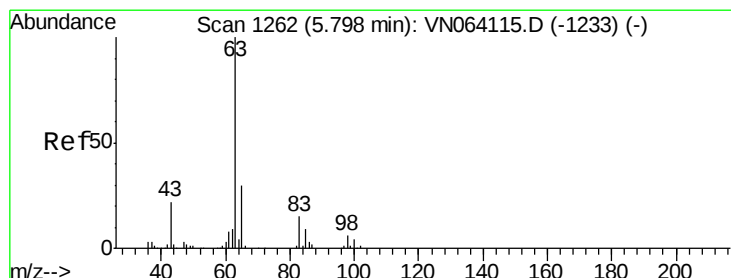
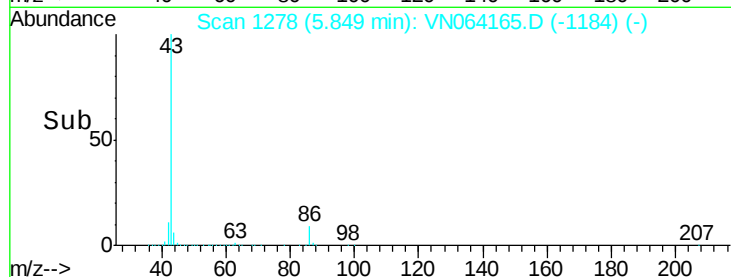
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.457 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

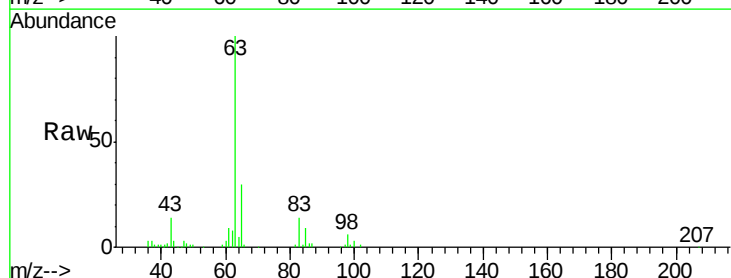
Tgt Ion: 63 Resp: 208230

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 3.5 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO

5.80

80000

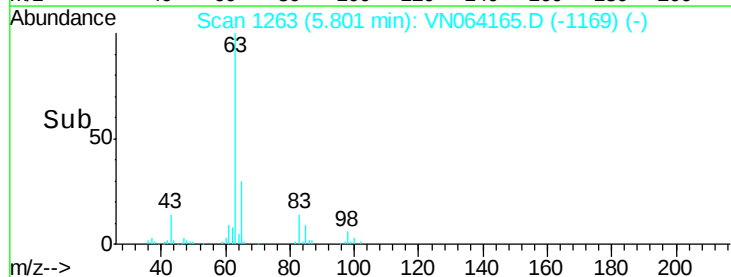
60000

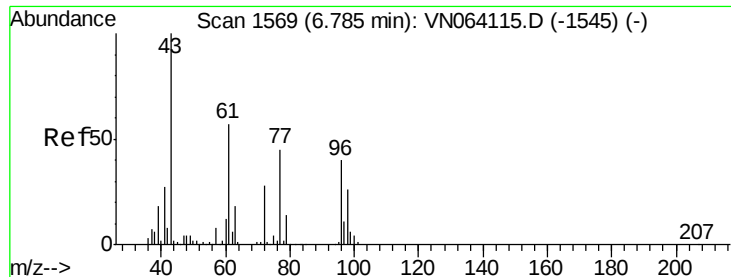
40000

20000

0

Time-->





#25

2-Butanone

Concen: 115.541 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 43 Resp: 362469

Ion Ratio Lower Upper

43 100

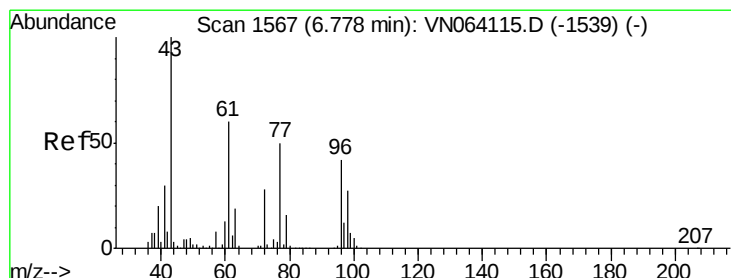
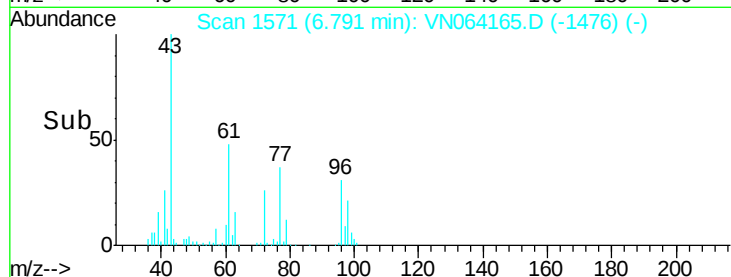
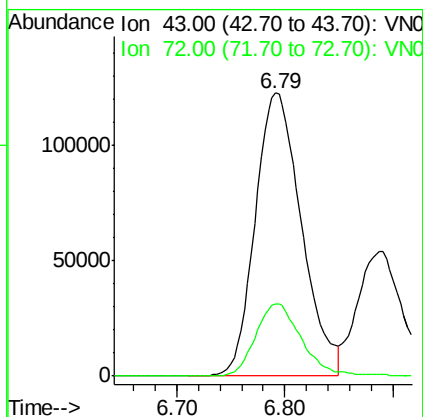
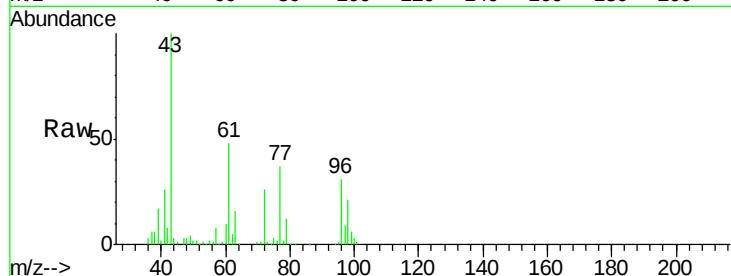
72 25.6 22.2 33.2

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.227 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064165.D

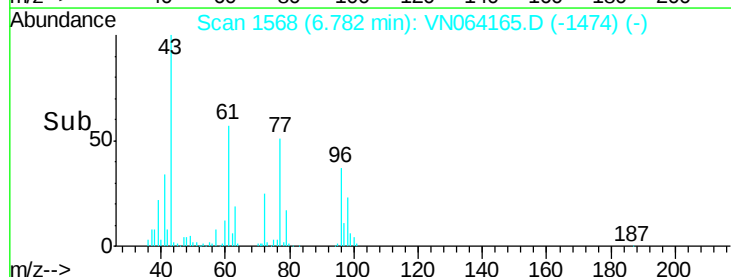
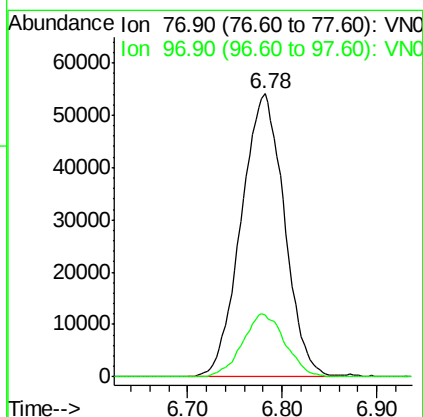
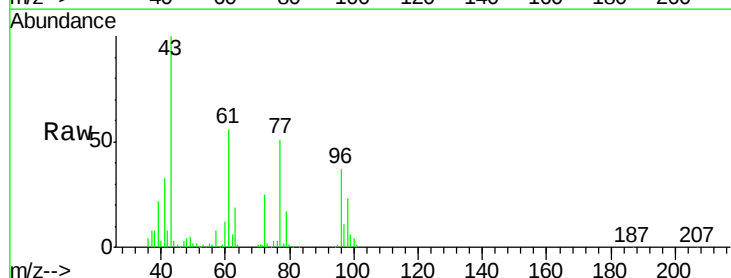
Acq: 16 Oct 2020 15:34

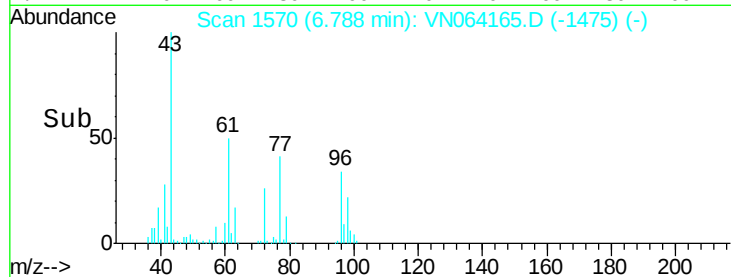
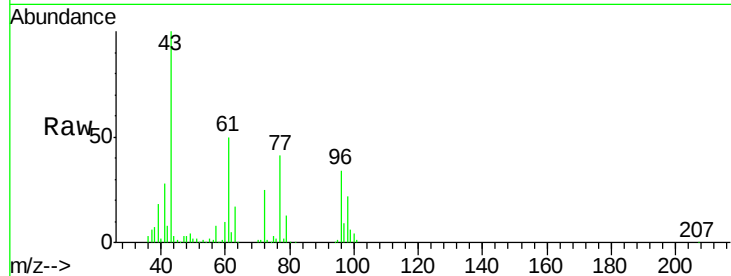
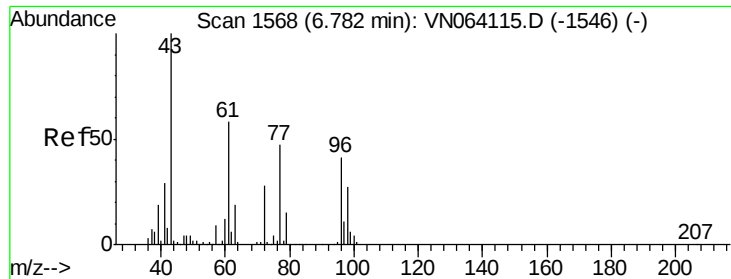
Tgt Ion: 77 Resp: 171288

Ion Ratio Lower Upper

77 100

97 22.0 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 18.288 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN064165.D

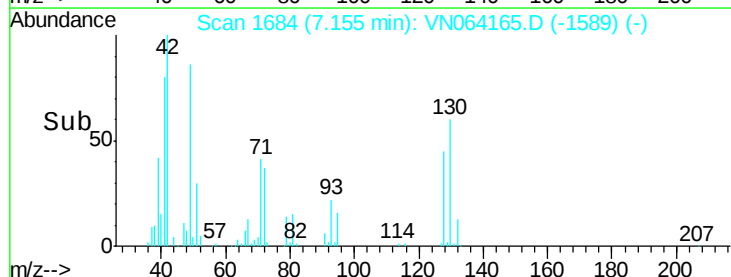
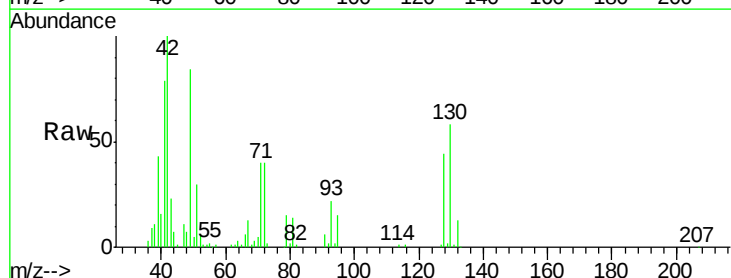
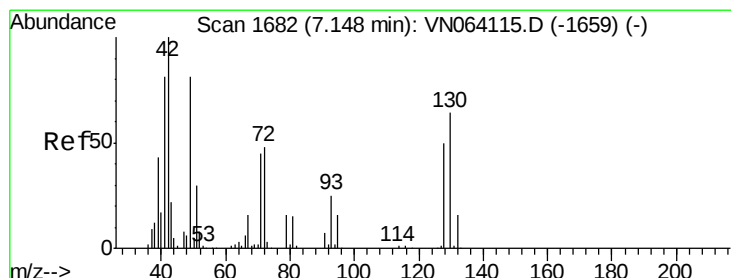
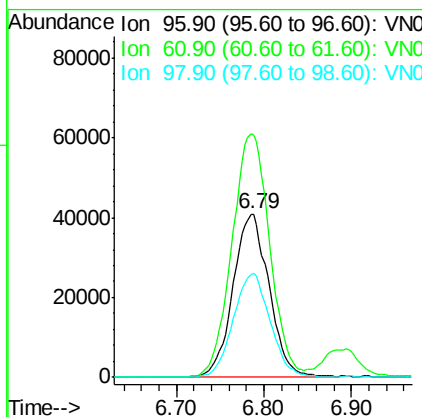
Acq: 16 Oct 2020 15:34

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.9	0.0	285.6	
98	65.0	0.0	131.0	

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

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#28

Bromochloromethane

Concen: 23.171 ug/l

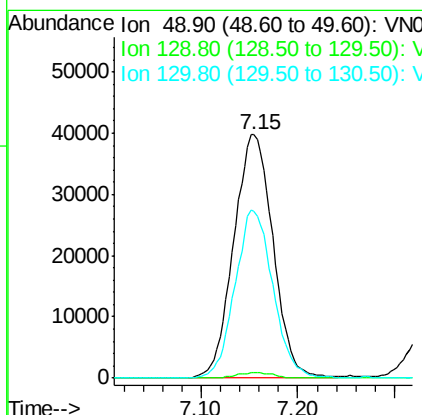
RT: 7.15 min Scan# 1684

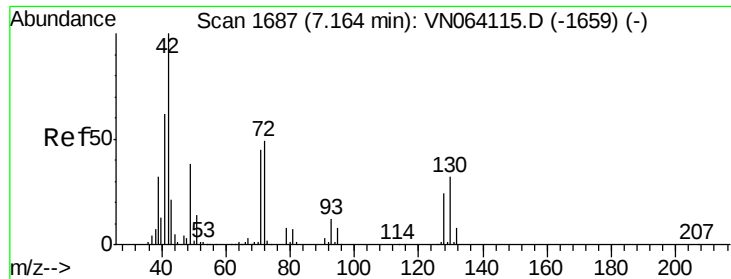
Delta R.T. 0.01 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	2.0#	
130	66.4	0.0	0.0#	





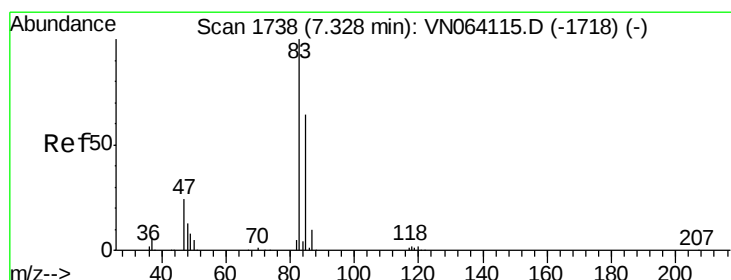
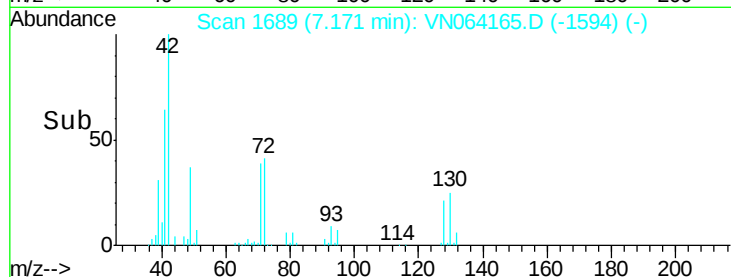
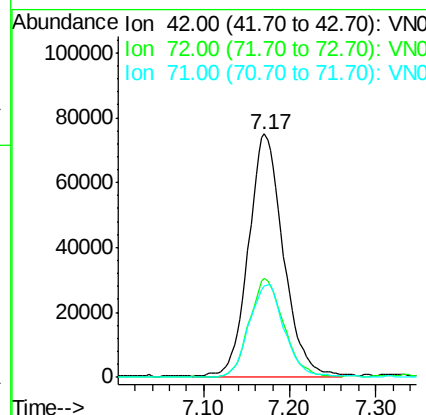
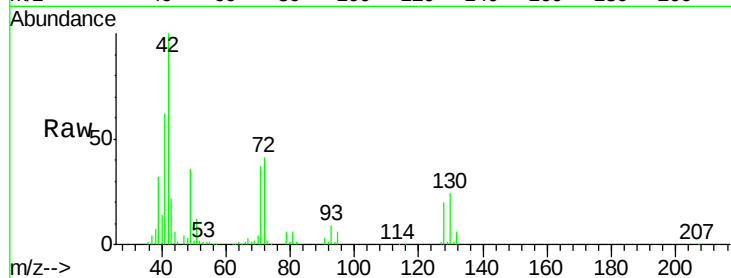
#29
Tetrahydrofuran
Concen: 114.509 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	37.8	56.6
71	38.8	35.3	52.9

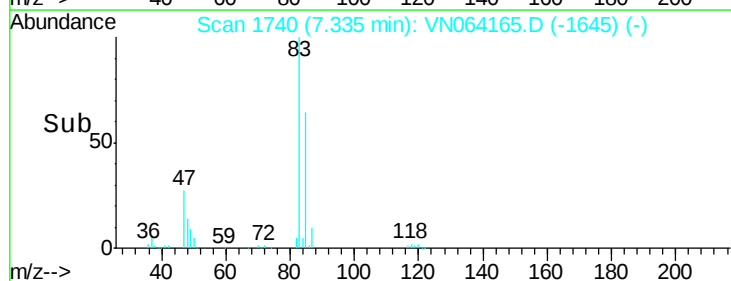
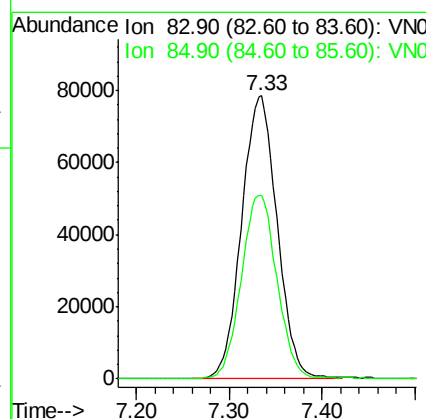
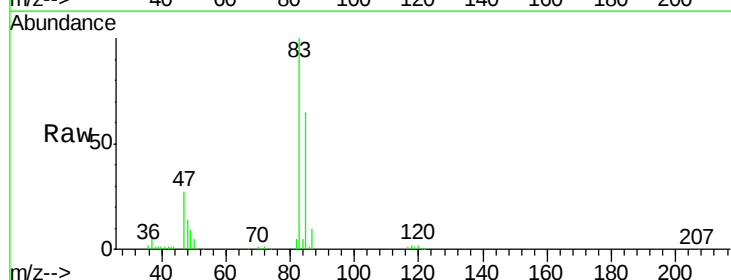
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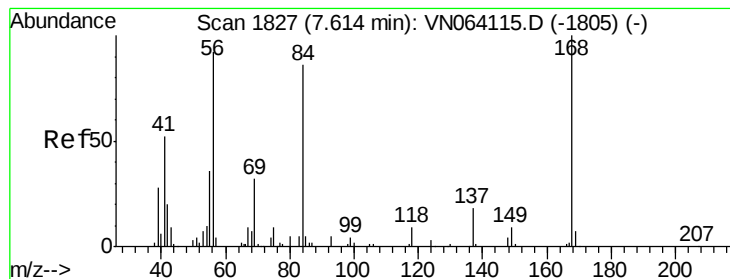
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#30
Chloroform
Concen: 19.256 ug/l
RT: 7.33 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





#31

Cyclohexane

Concen: 19.672 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

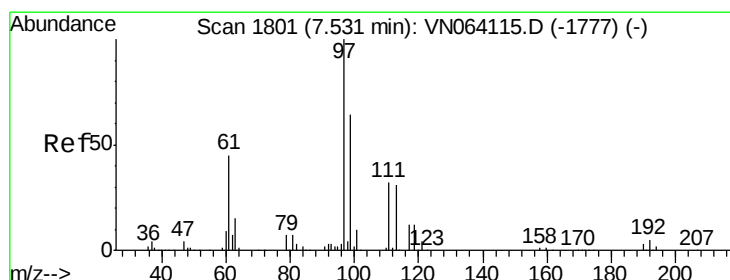
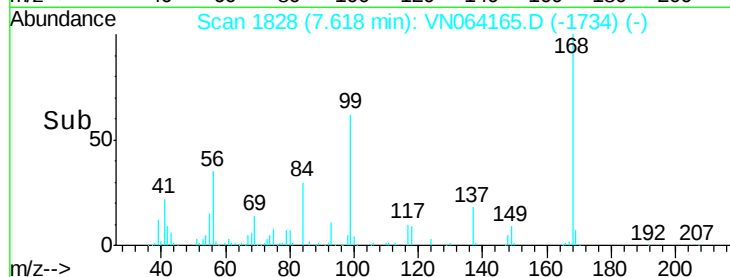
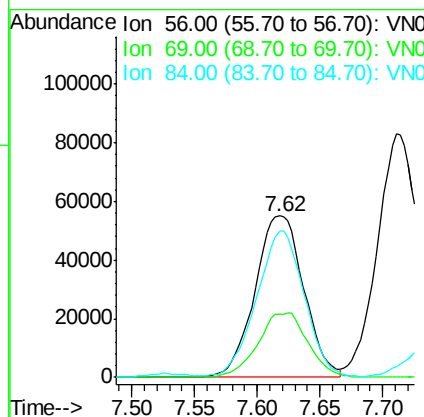
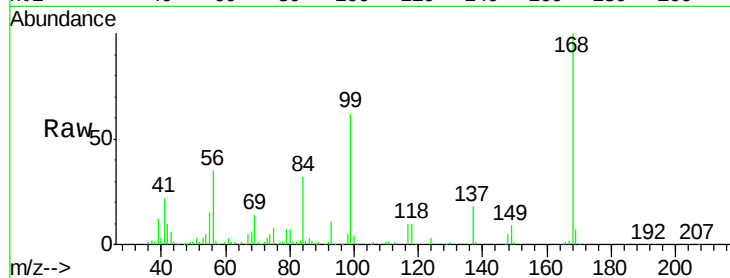
ClientSampleId :

VN1016WBS01

Tot Ion:	56	Resp:	149537
Ion Ratio		Lower	Upper
56	100		
69	38.1	27.8	41.6
84	89.4	73.2	109.8

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#32

1,1,1-Trichloroethane

Concen: 19.217 ug/l

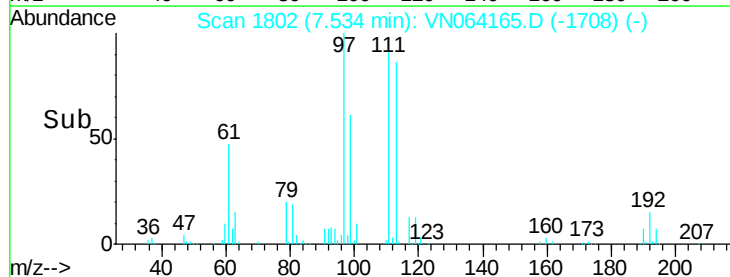
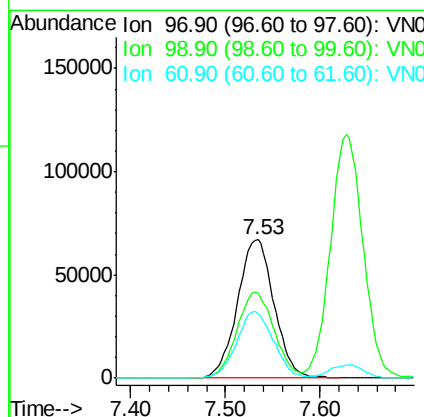
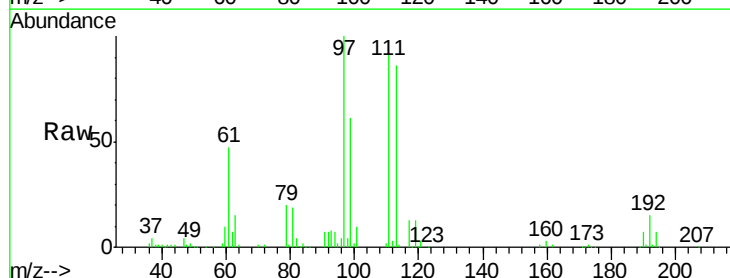
RT: 7.53 min Scan# 1802

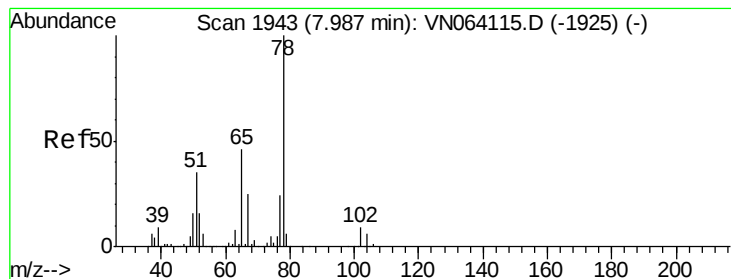
Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Tgt Ion:	97	Resp:	180068
Ion Ratio		Lower	Upper
97	100		
99	63.2	50.2	75.2
61	48.5	35.6	53.4





#33

1,2-Dichloroethane-d4

Concen: 52.786 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 65 Resp: 362970

Ion Ratio Lower Upper

65 100

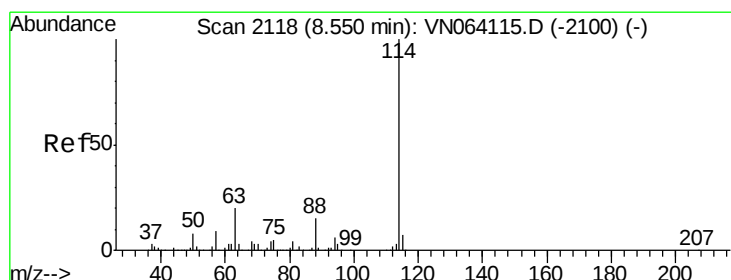
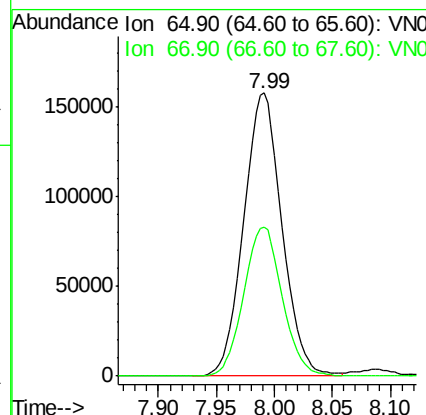
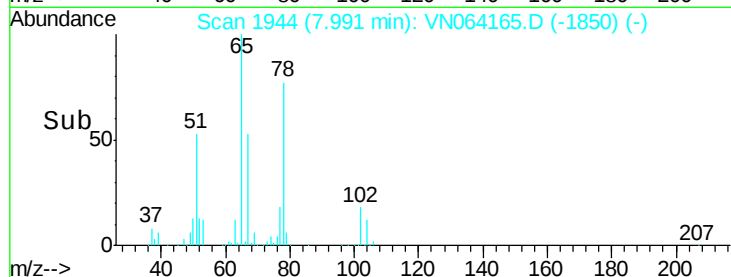
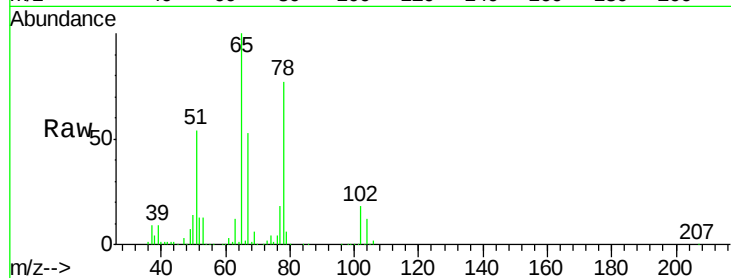
67 53.0 0.0 105.6

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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: VN064165.D

Acq: 16 Oct 2020 15:34

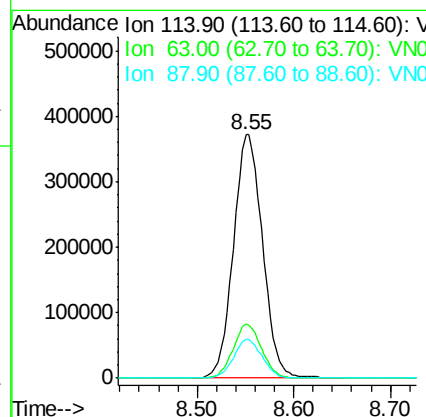
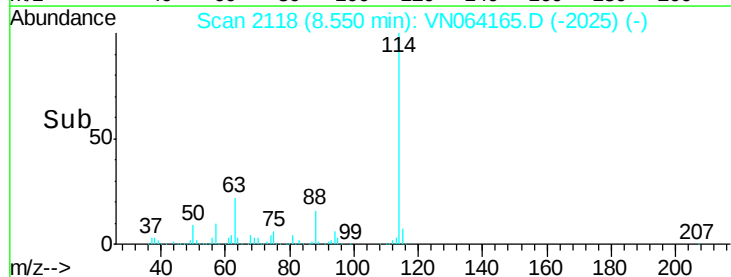
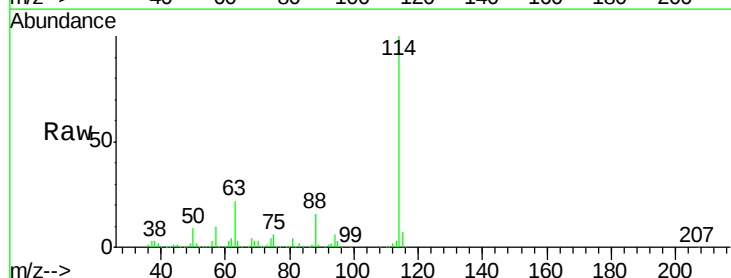
Tgt Ion: 114 Resp: 777695

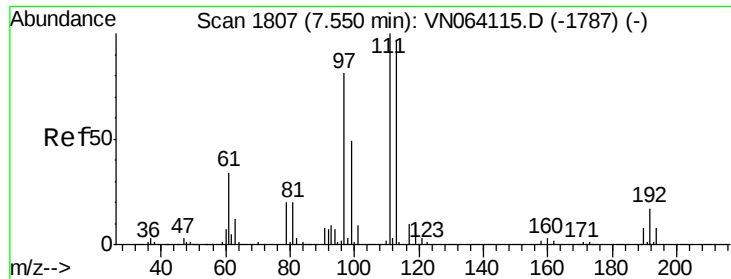
Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.0

88 15.9 0.0 29.2





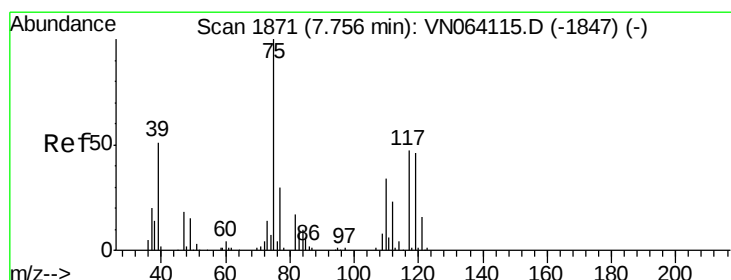
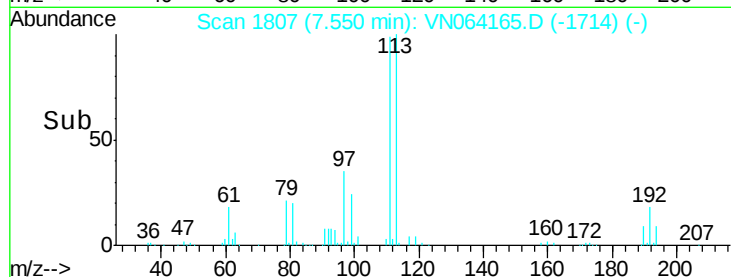
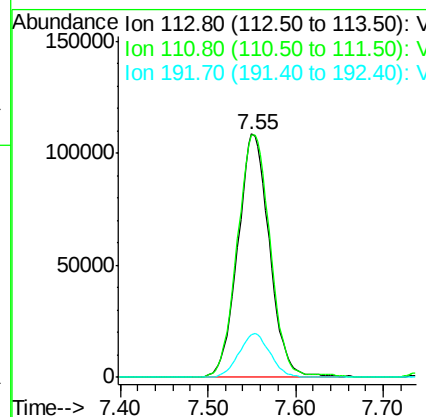
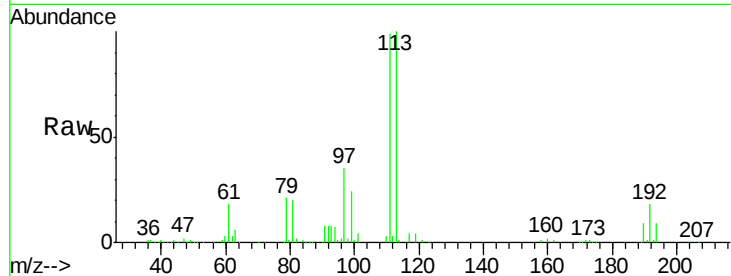
#35
Dibromofluoromethane
Concen: 50.505 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	271859		
111	102.9	81.9	122.9	
192	17.8	14.3	21.5	

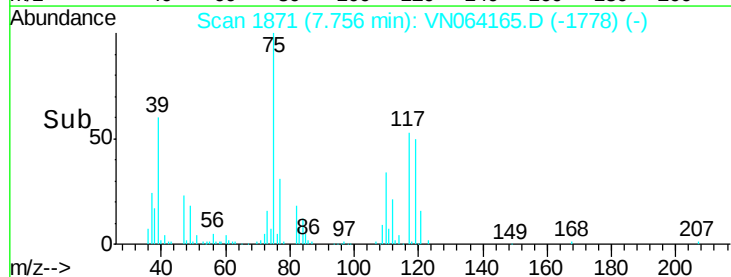
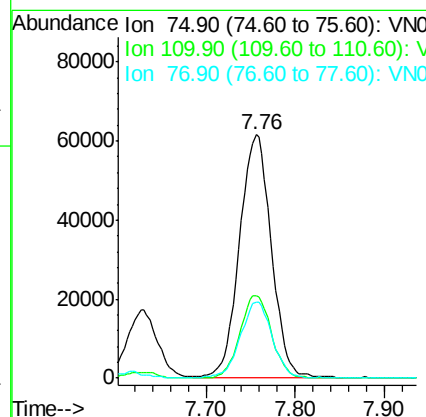
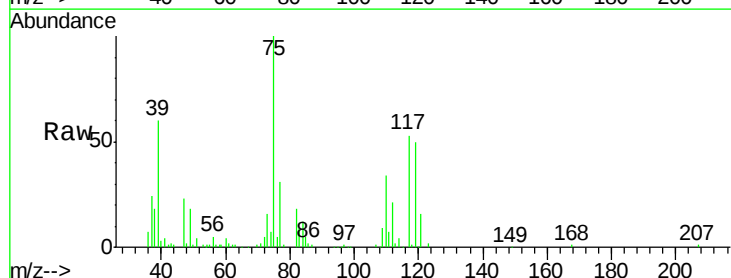
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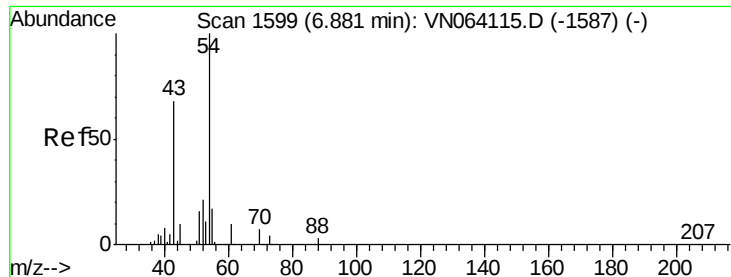
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#36
1,1-Dichloropropene
Concen: 20.407 ug/l
RT: 7.76 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152969		
110	33.3	17.8	53.3	
77	31.2	24.9	37.3	





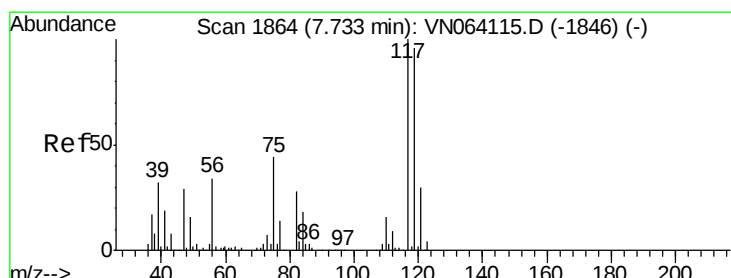
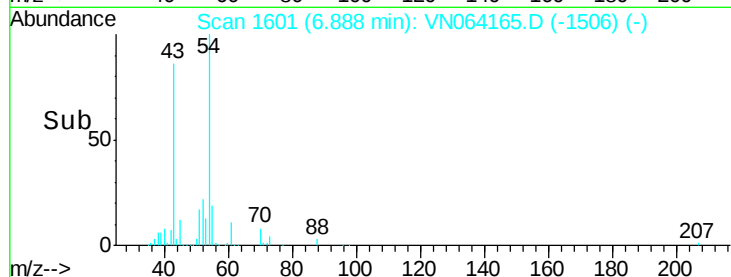
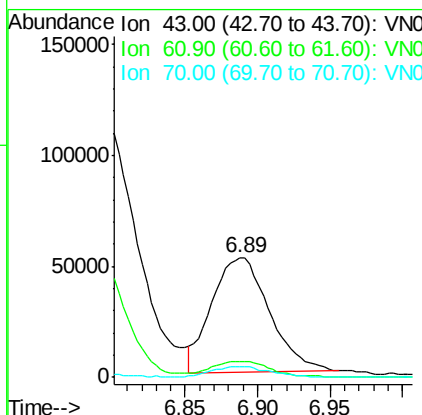
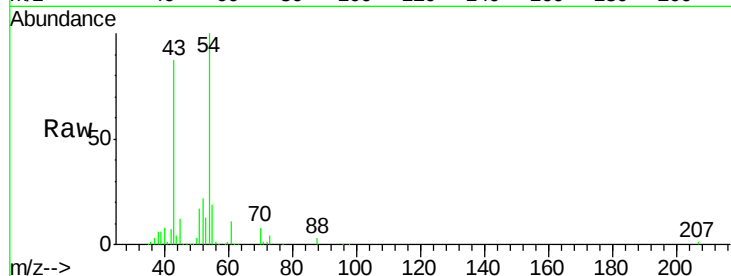
#37
Ethyl Acetate
Concen: 21.471 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.3	16.9
70	8.7	7.7	11.5

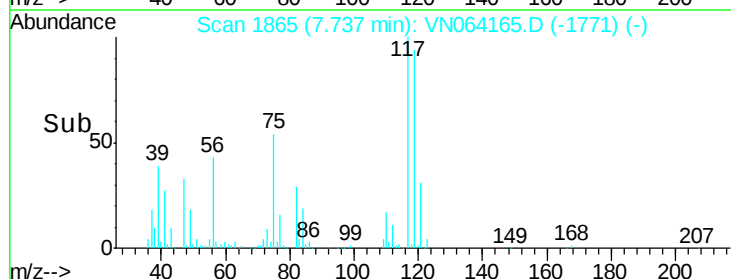
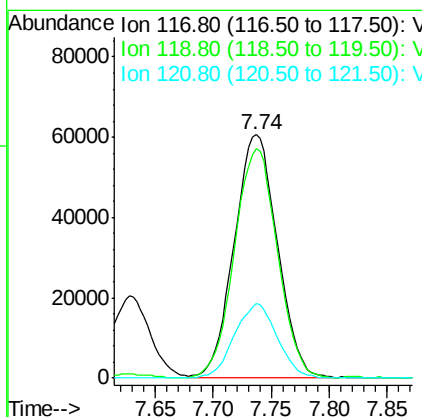
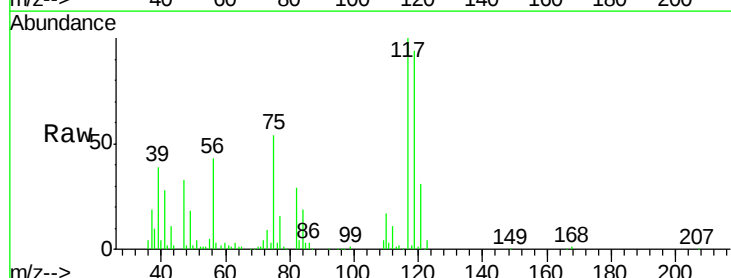
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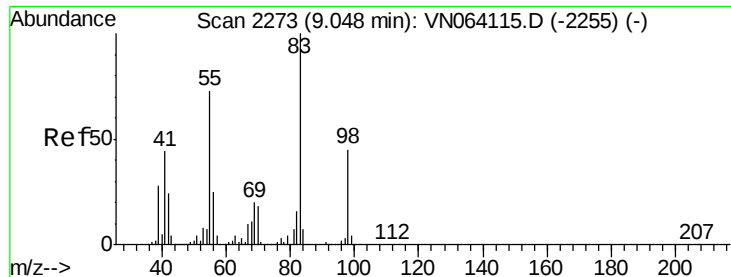
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#38
Carbon Tetrachloride
Concen: 19.352 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.0	115.4
121	30.8	24.2	36.4





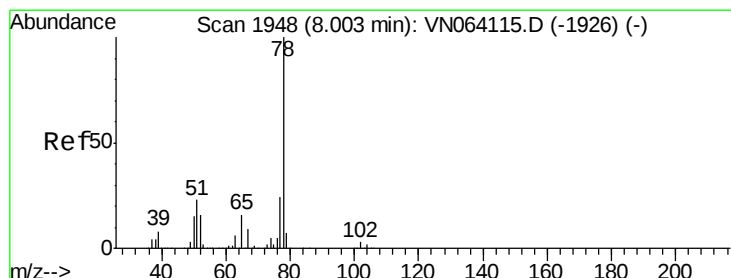
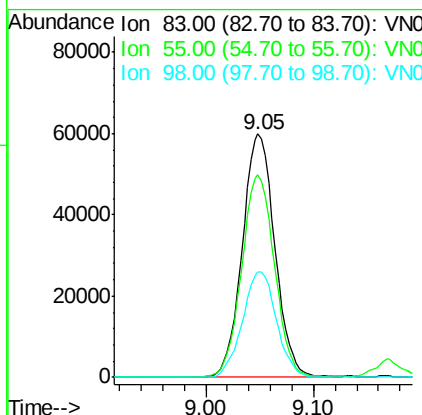
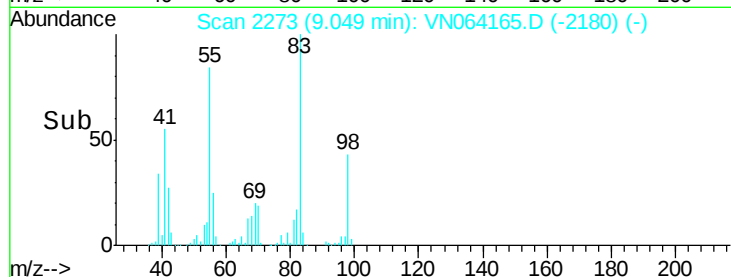
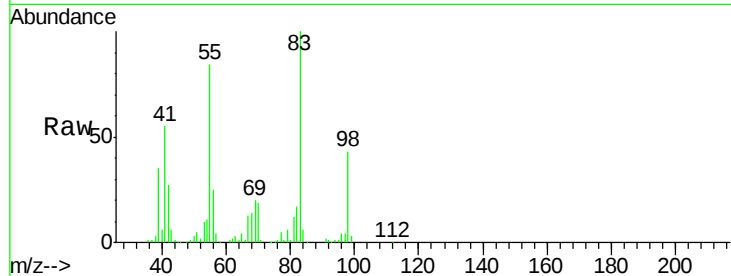
#39
Methvlcvclohexane
Concen: 19.942 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	58.5	87.7
98	43.5	36.2	54.2

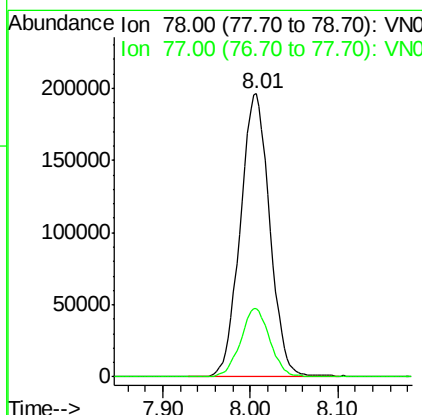
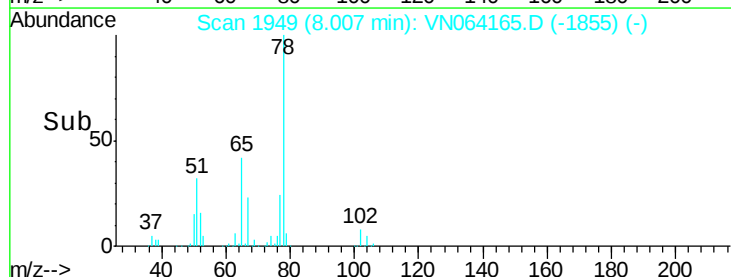
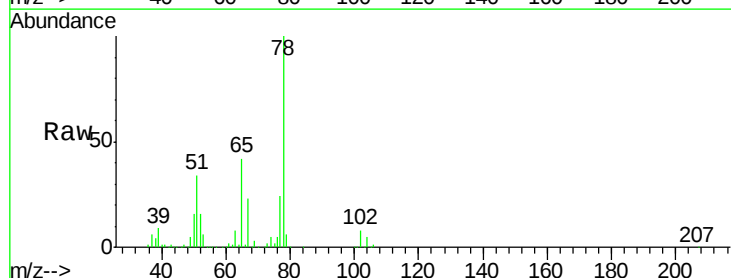
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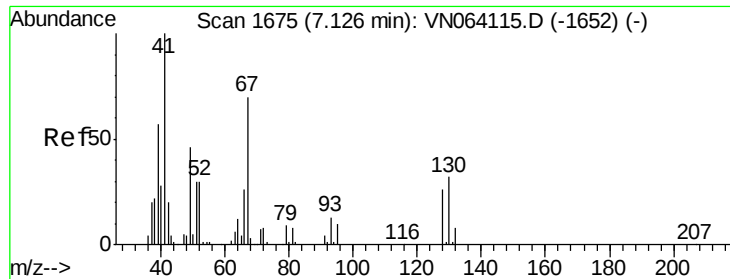
MMDadoda
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#40
Benzene
Concen: 20.222 ug/l
RT: 8.01 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





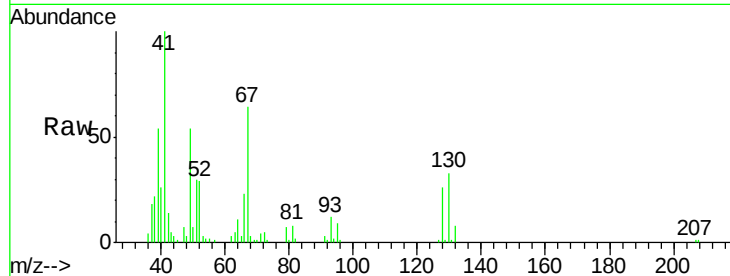
#41
Methacrylonitrile
Concen: 22.185 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.7	76.1#
67	88.0	73.8	110.6
52	39.2	32.2	48.4

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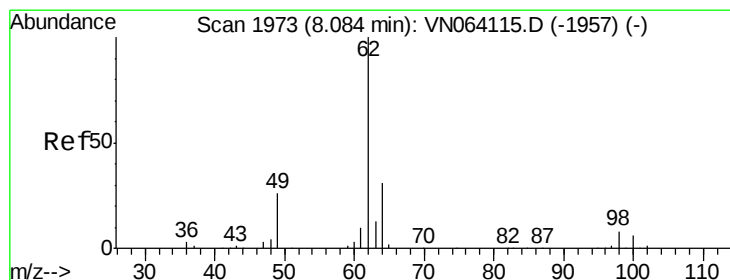
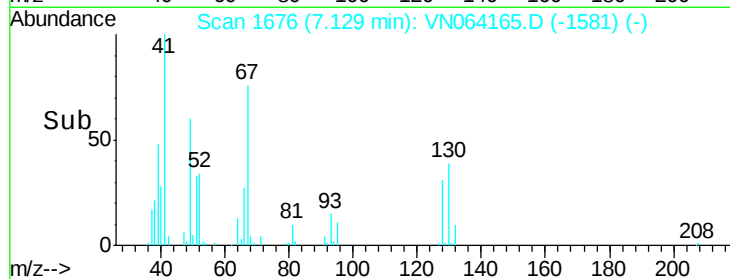
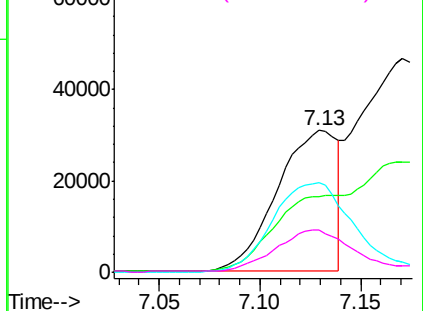


Abundance Ion 41.00 (40.70 to 41.70): VN064115.D (-1652) (-)

Ion 39.00 (38.70 to 39.70): VN064115.D (-1652) (-)

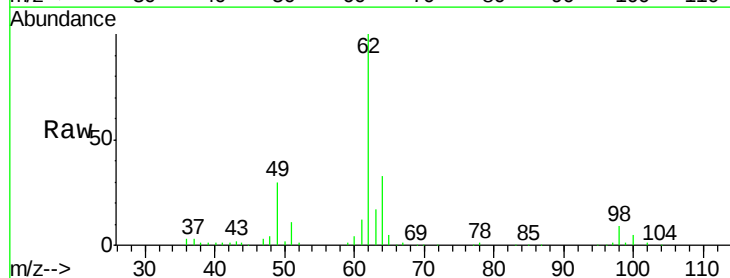
Ion 67.00 (66.70 to 67.70): VN064115.D (-1652) (-)

Ion 52.00 (51.70 to 52.70): VN064115.D (-1652) (-)



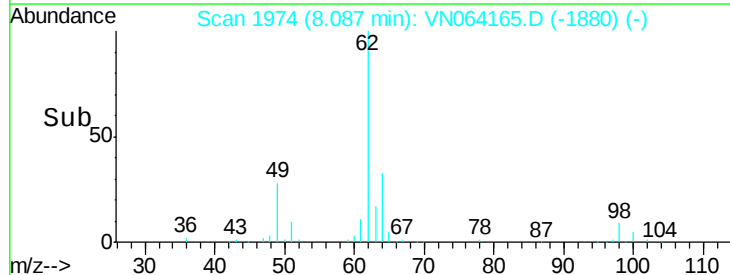
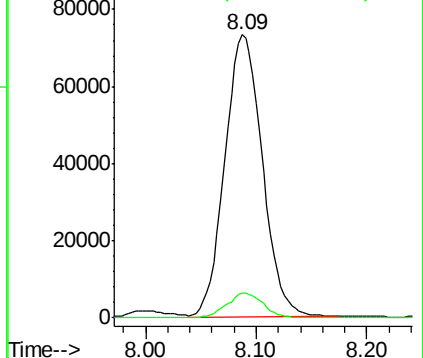
#42
1,2-Dichloroethane
Concen: 21.423 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

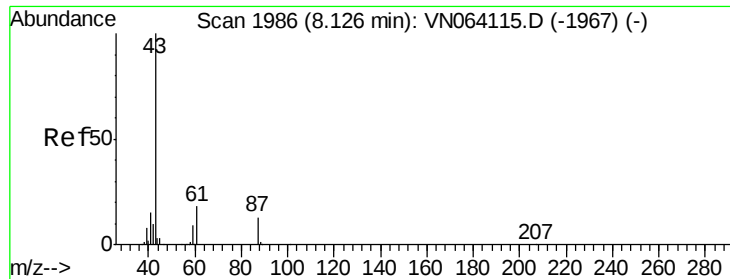
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VN064115.D (-1957) (-)

Ion 97.90 (97.60 to 98.60): VN064115.D (-1957) (-)





#43

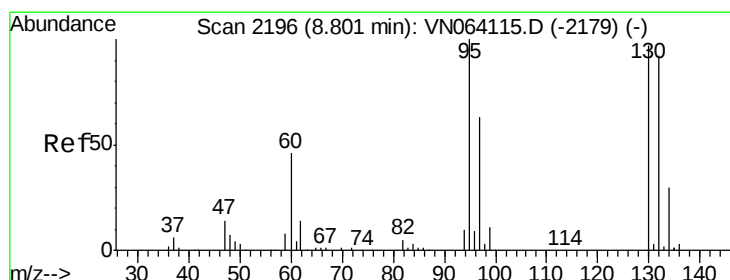
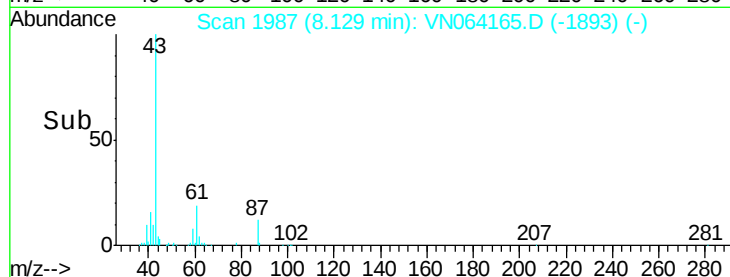
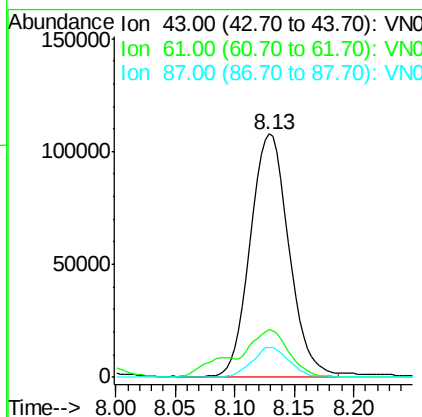
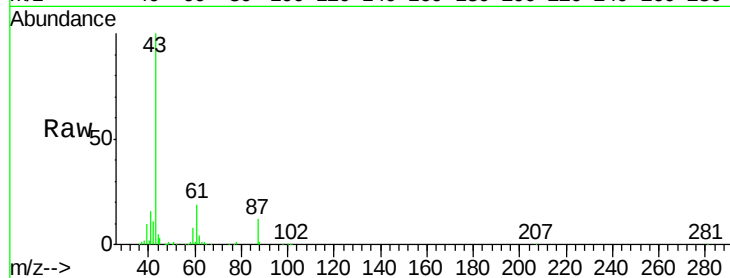
Isopropyl Acetate
 Concen: 21.898 ug/l
 RT: 8.13 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	21.9	32.9#
87	11.9	11.0	16.4

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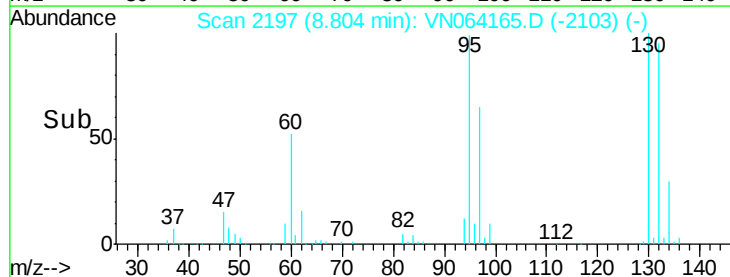
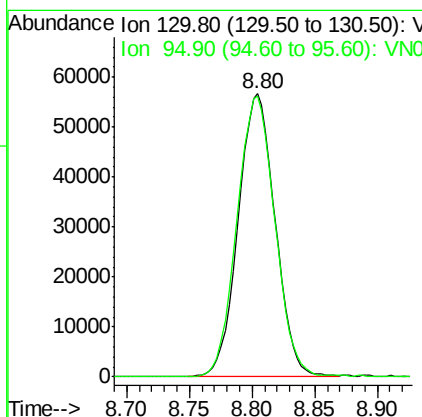
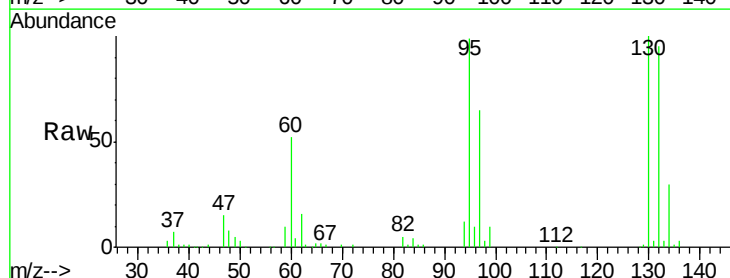
MMDadoda
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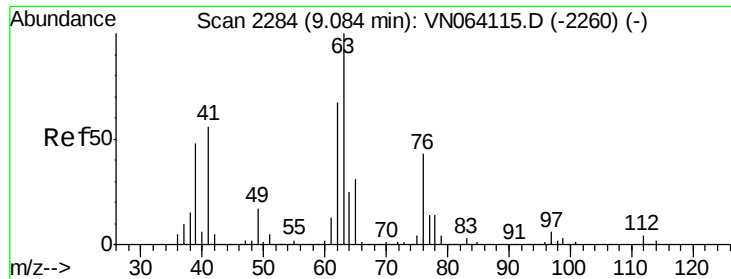


#44

Trichloroethene
 Concen: 19.487 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	206.2





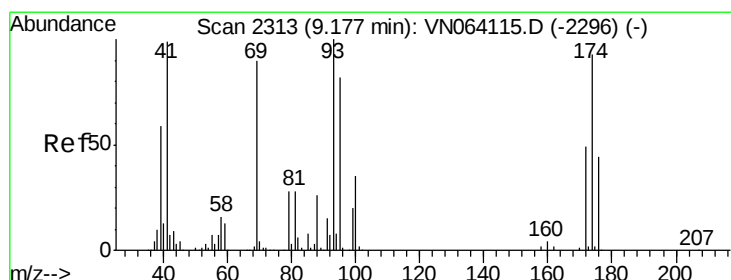
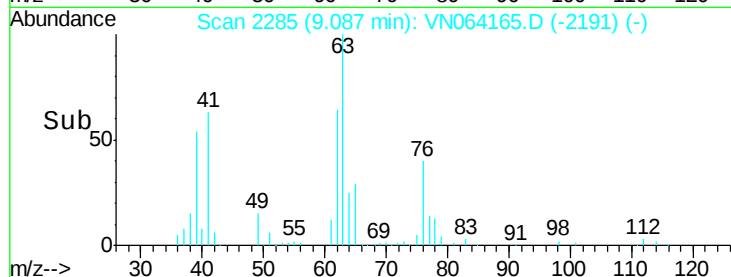
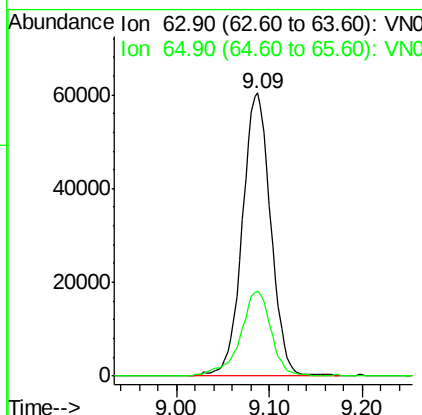
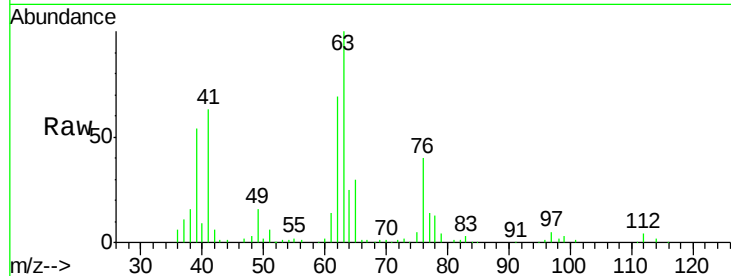
#45
 1,2-Dichloropropane
 Concen: 21.586 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion: 63 Resp: 128381
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6

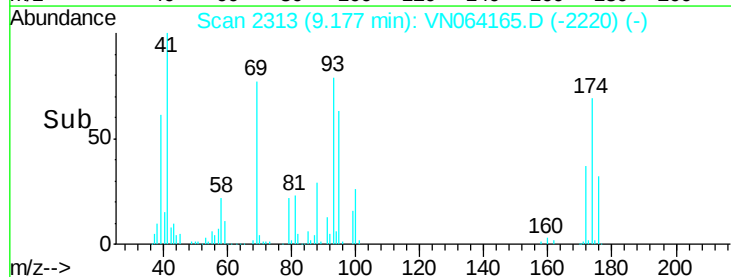
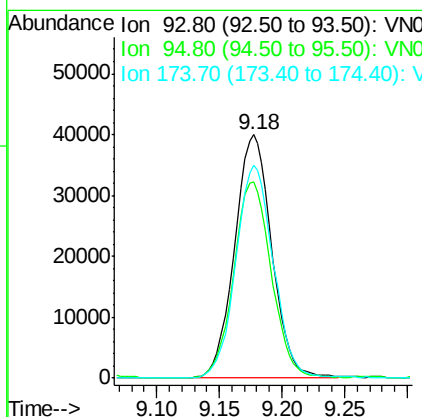
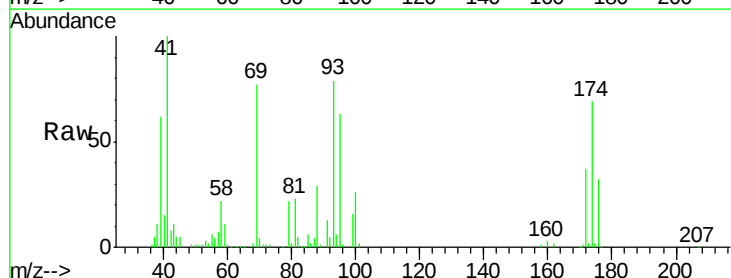
Manual Integrations
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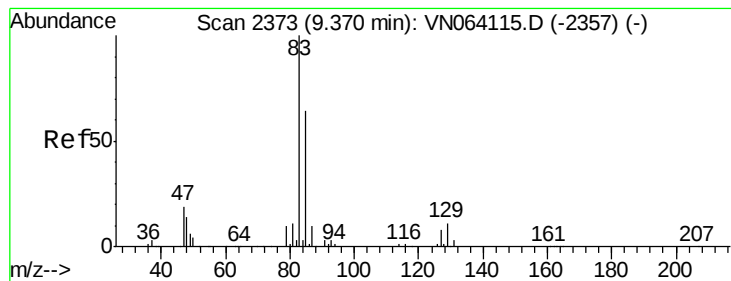
MMDadoda
 10/19/2020 4:22:23 PM



#46
 Dibromomethane
 Concen: 19.572 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Tgt Ion: 93 Resp: 82583
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.8 100.2
 174 87.8 75.2 112.8





#47

Bromodichloromethane

Concen: 20.511 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

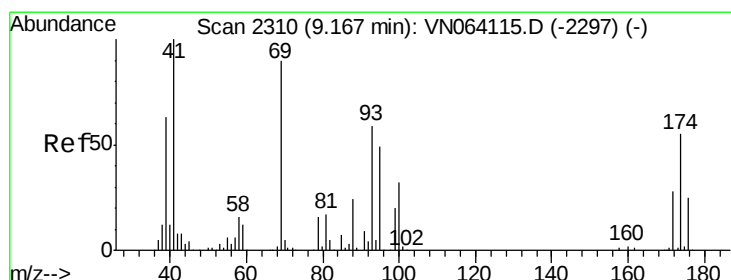
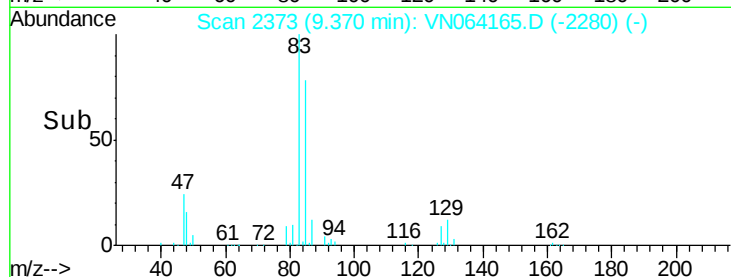
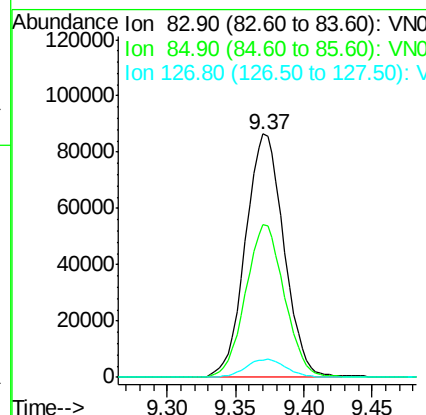
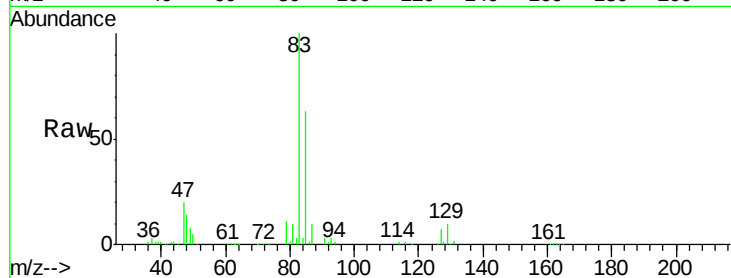
ClientSampleId :

VN1016WBS01

Tot Ion:	83	Resp:	169328
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.8	76.2
127	7.3	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.802 ug/l

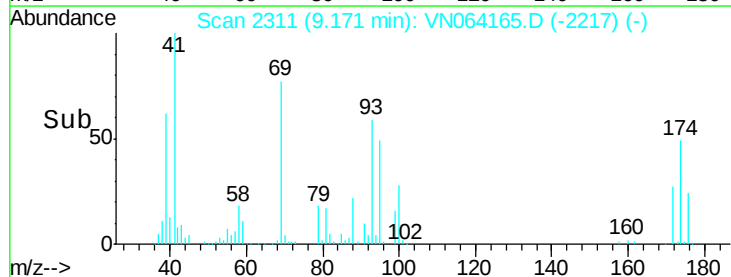
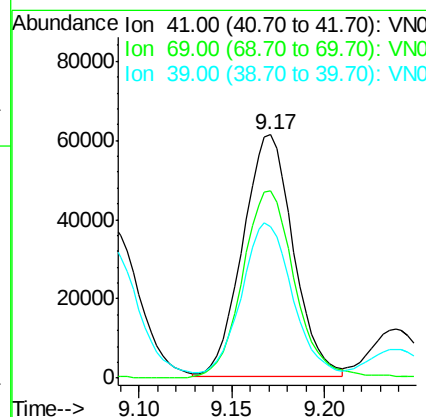
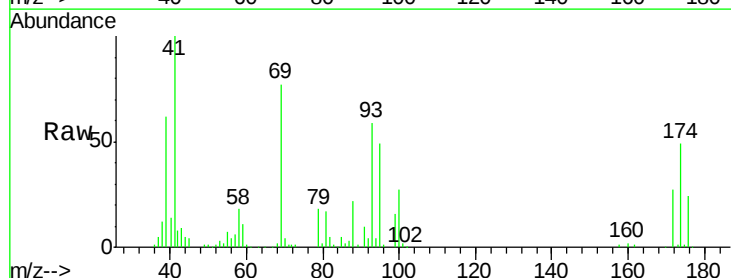
RT: 9.17 min Scan# 2311

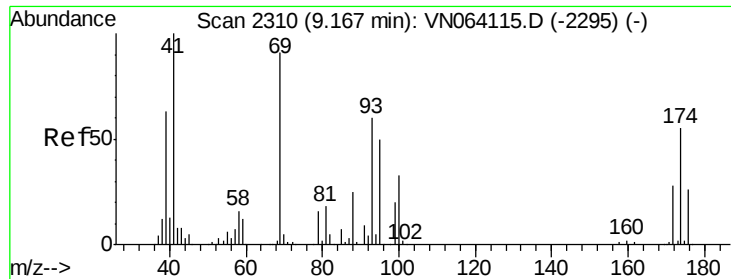
Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Tgt Ion:	41	Resp:	116274
Ion Ratio	Lower	Upper	
41	100		
69	80.6	71.4	107.2
39	64.7	52.5	78.7





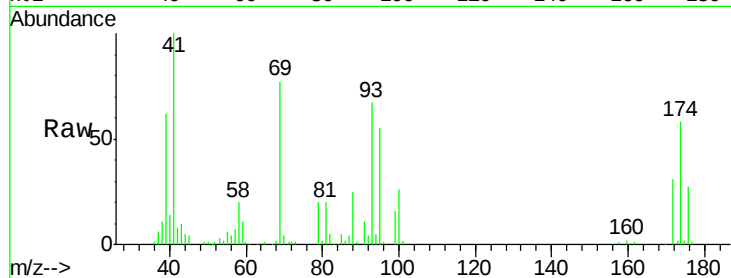
#49
1,4-Dioxane
Concen: 407.190 ug/l
RT: 9.17 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	88	Resp	31529
Ion	Ratio	Lower	Upper
88	100		
43	36.6	27.2	40.8
58	74.3	52.6	78.8

Manual Integrations
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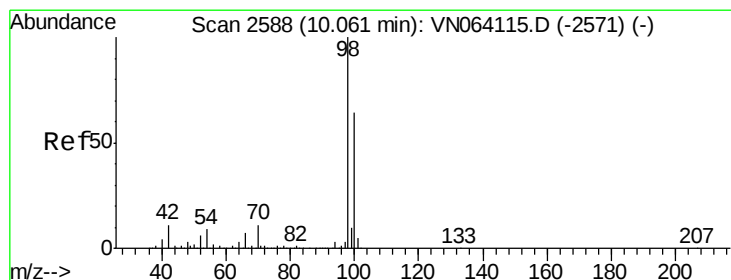
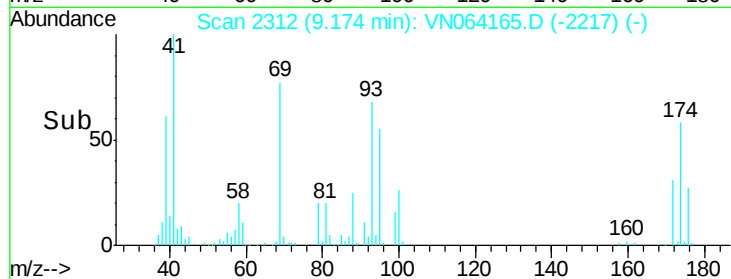
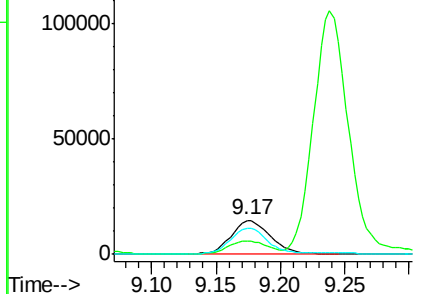
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Abundance Ion 88.00 (87.70 to 88.70): VN064115.D (-2295) (-)

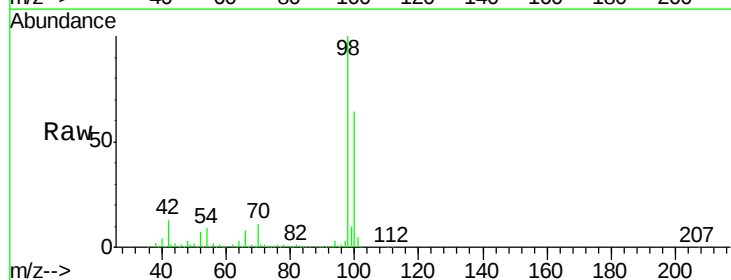
Ion 43.00 (42.70 to 43.70): VN064115.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN064115.D (-2295) (-)



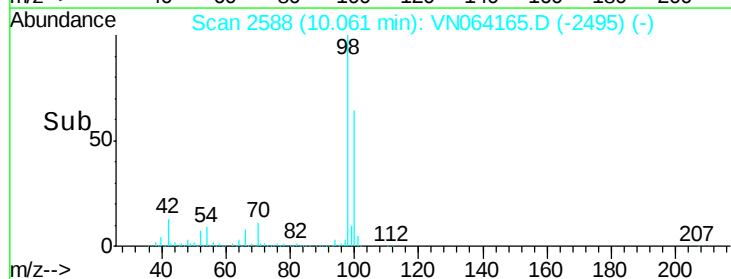
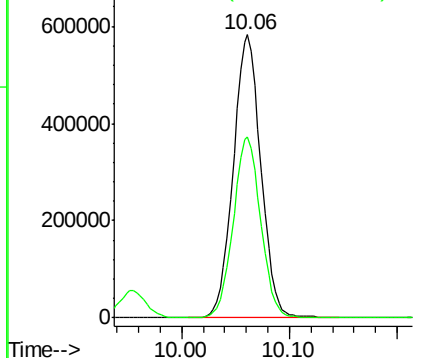
#50
Toluene-d8
Concen: 51.191 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

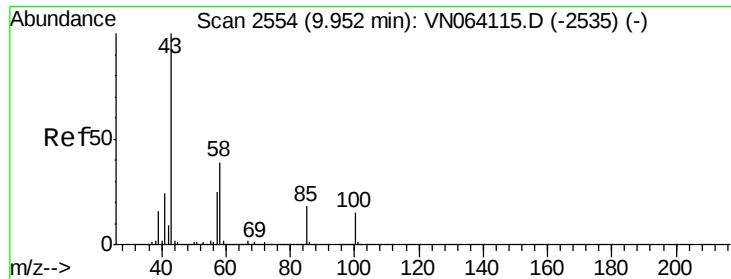
Tgt Ion	98	Resp	1039699
Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.8	76.2



Abundance Ion 98.00 (97.70 to 98.70): VN064115.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064115.D (-2571) (-)





#51

4-Methyl-2-Pentanone

Concen: 117.161 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 43 Resp: 765329

Ion Ratio Lower Upper

43 100

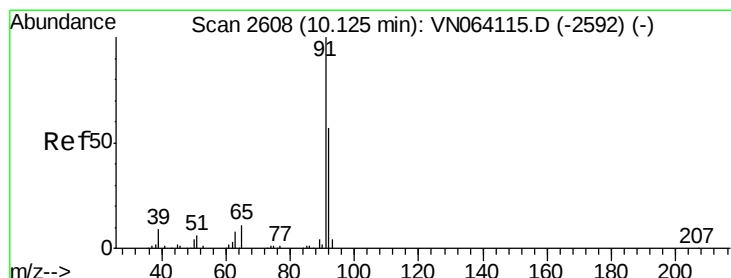
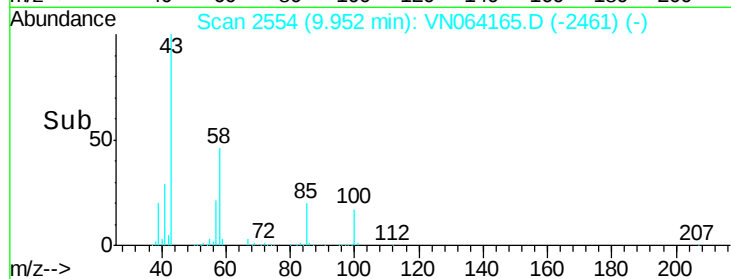
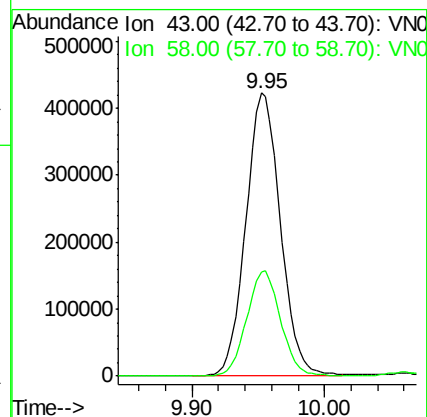
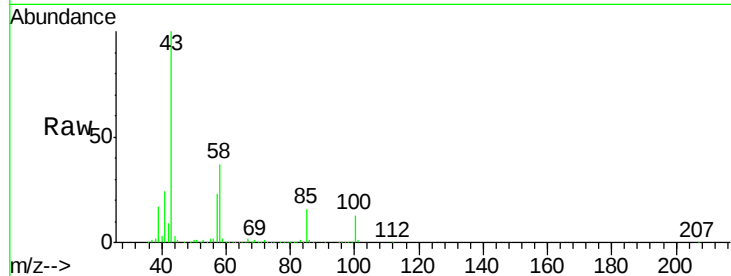
58 36.6 31.2 46.8

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#52

Toluene

Concen: 20.138 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064165.D

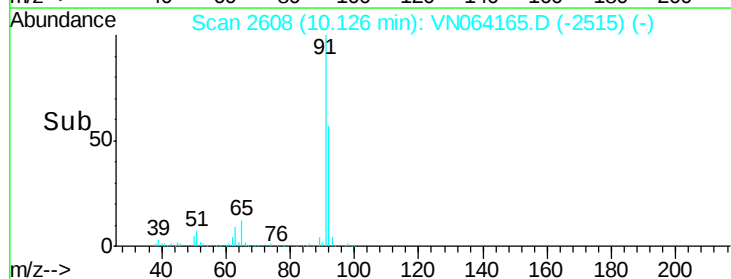
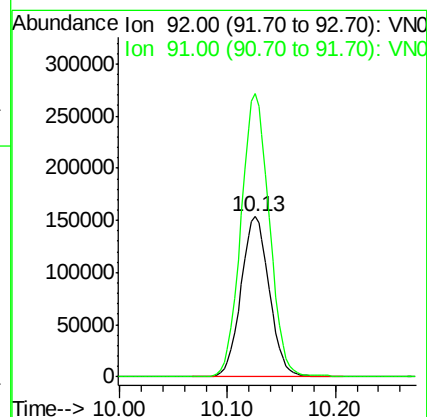
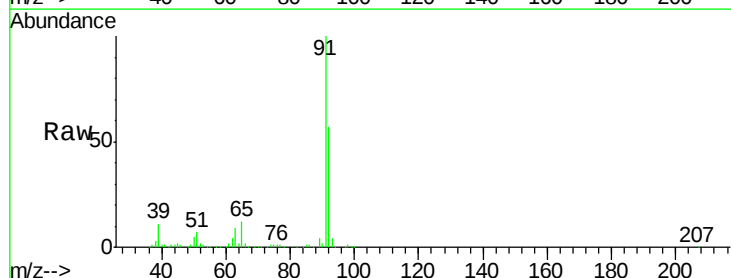
Acq: 16 Oct 2020 15:34

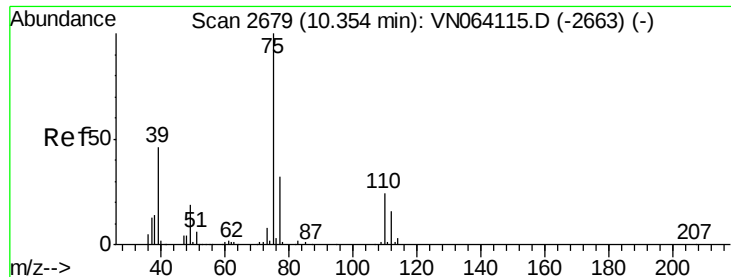
Tgt Ion: 92 Resp: 280885

Ion Ratio Lower Upper

92 100

91 177.1 141.2 211.8





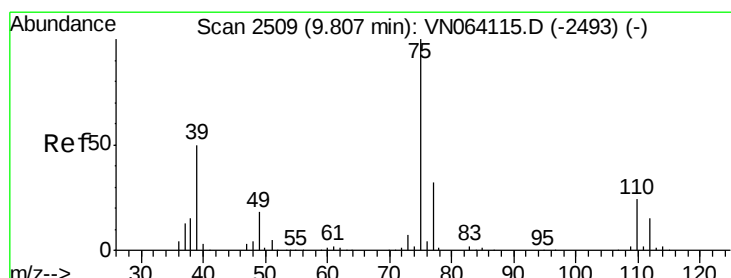
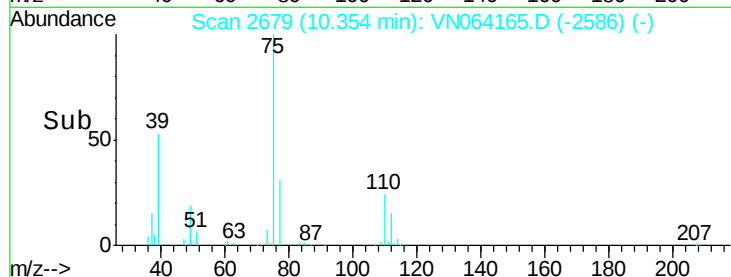
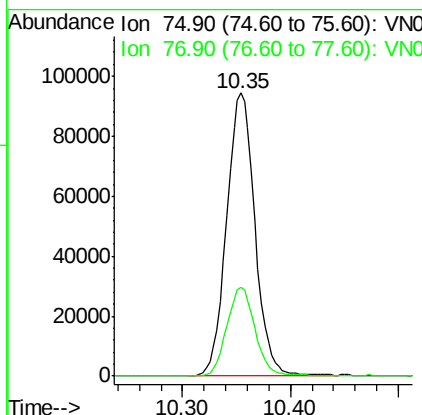
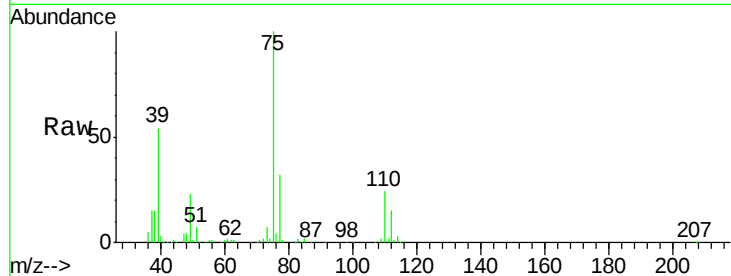
#53
 t-1,3-Dichloropropene
 Concen: 20.457 ug/l
 RT: 10.35 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion: 75 Resp: 173274
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.6 38.4

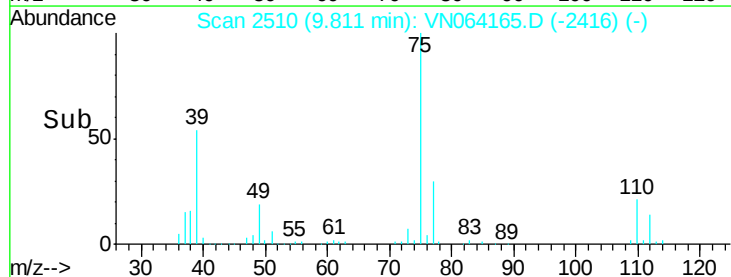
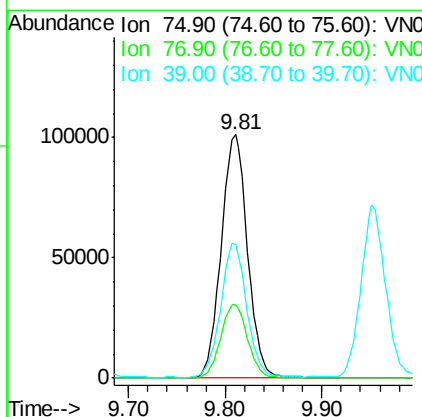
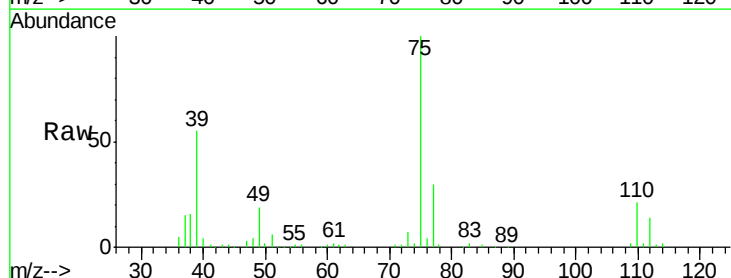
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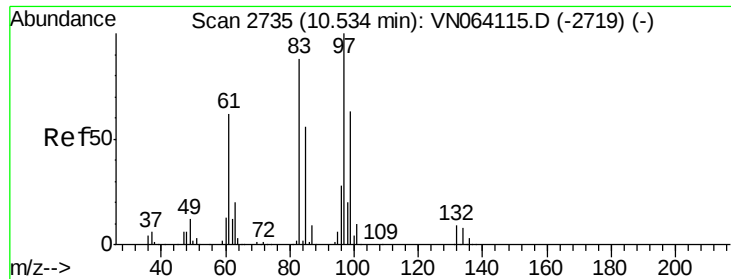
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#54
 cis-1,3-Dichloropropene
 Concen: 20.590 ug/l
 RT: 9.81 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Tgt Ion: 75 Resp: 191630
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.2 37.8
 39 54.3 39.8 59.8





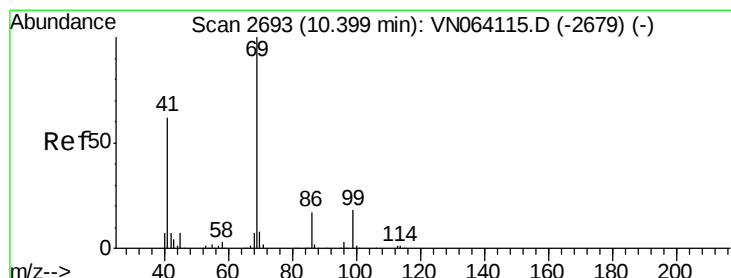
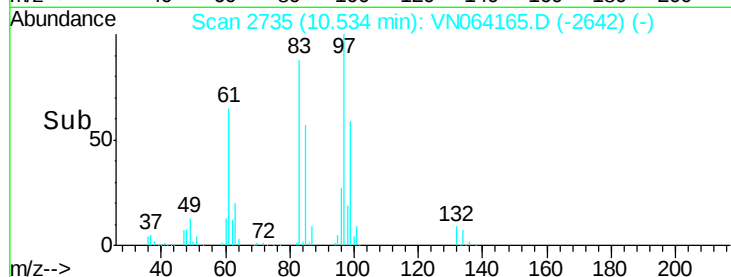
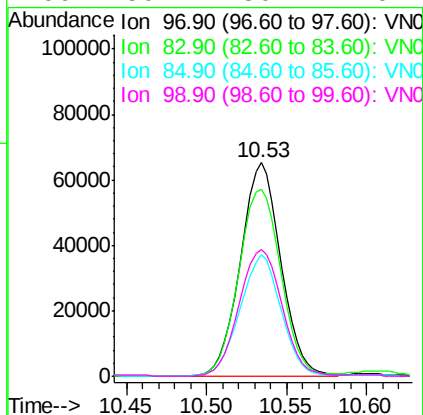
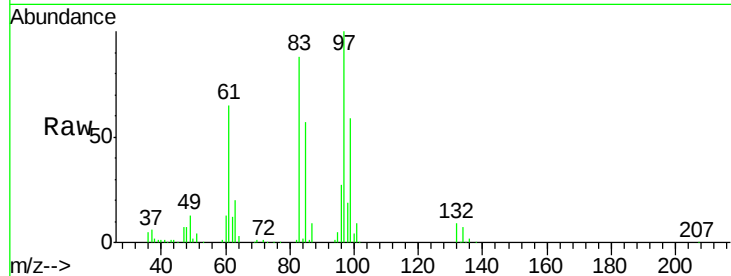
#55
 1,1,2-Trichloroethane
 Concen: 19.464 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion:	97	Resp:	112467
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.2	105.4
85	56.7	45.0	67.6
99	59.2	50.7	76.1

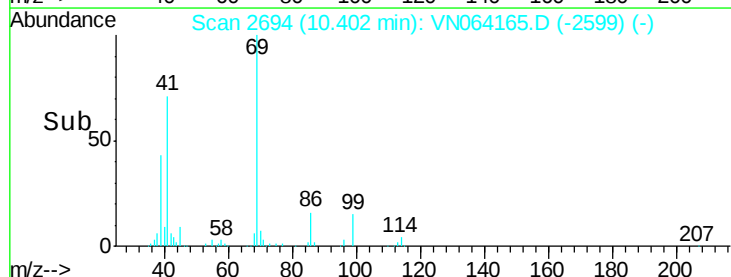
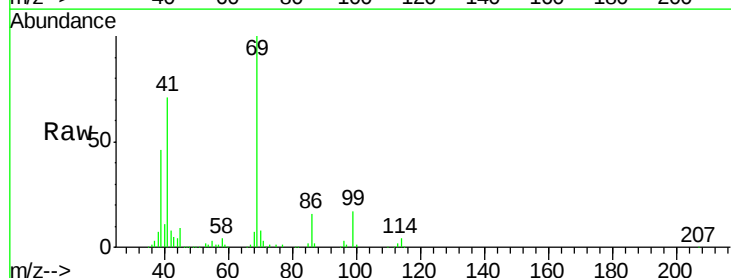
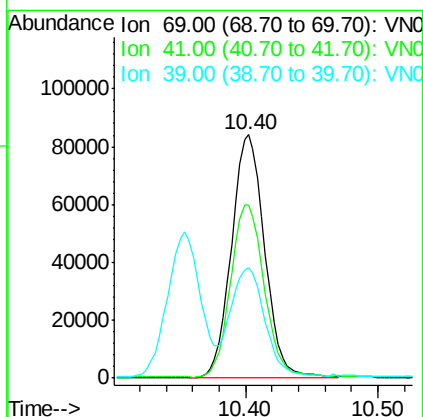
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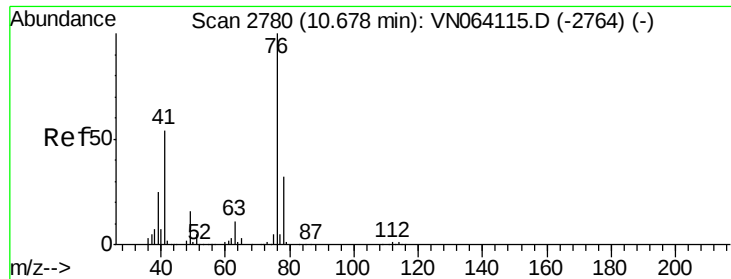
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#56
 Ethyl methacrylate
 Concen: 19.027 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Tgt Ion:	69	Resp:	146801
Ion	Ratio	Lower	Upper
69	100		
41	71.4	49.3	73.9
39	46.8	32.7	49.1





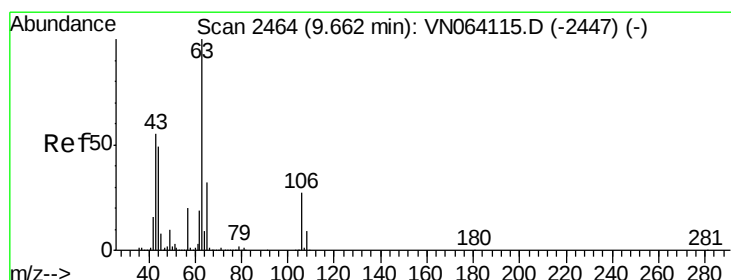
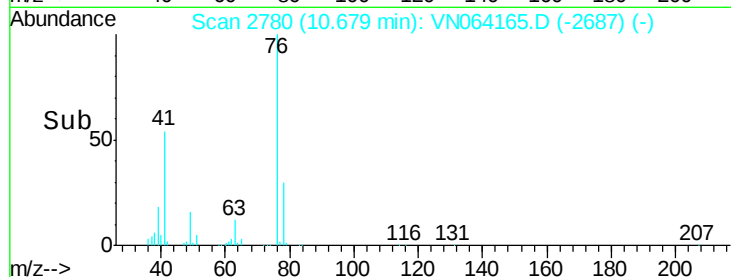
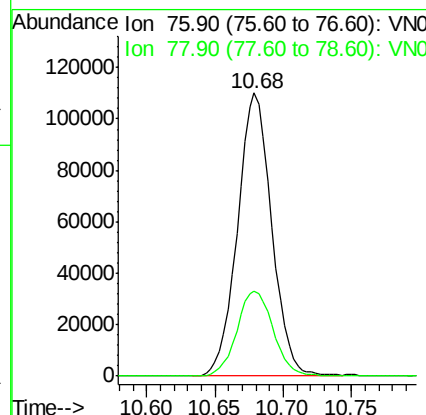
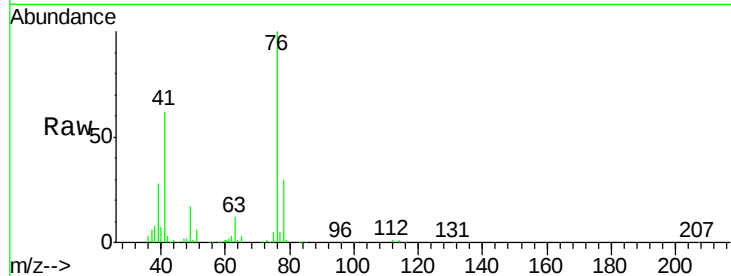
#57
 1,3-Dichloropropane
 Concen: 20.146 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion: 76 Resp: 191706
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1

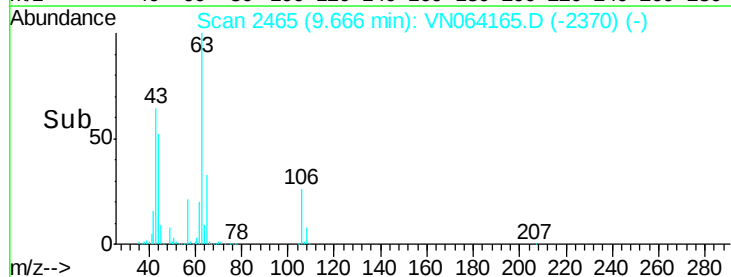
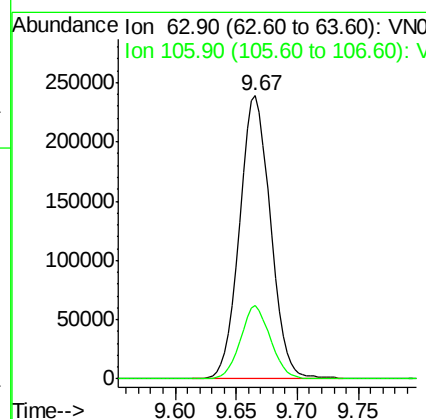
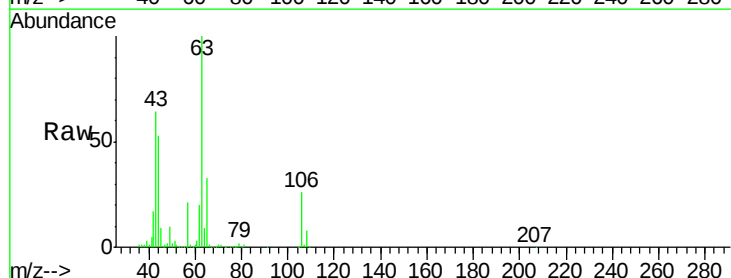
Manual Integrations
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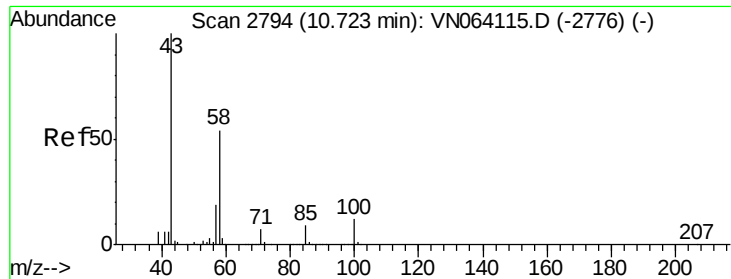
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#58
 2-Chloroethyl Vinyl ether
 Concen: 106.129 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Tgt Ion: 63 Resp: 420411
 Ion Ratio Lower Upper
 63 100
 106 25.1 21.8 32.6





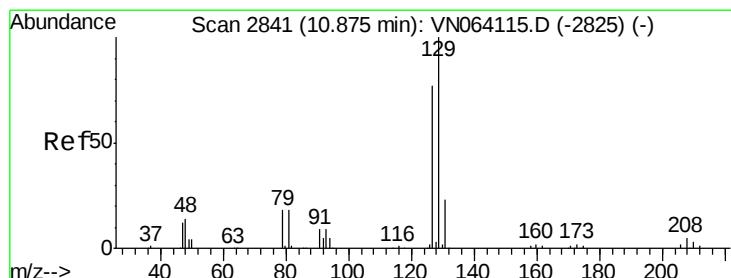
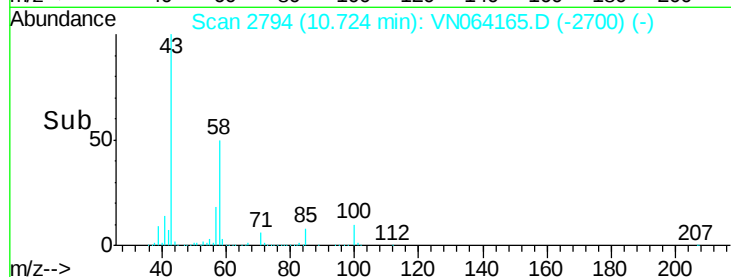
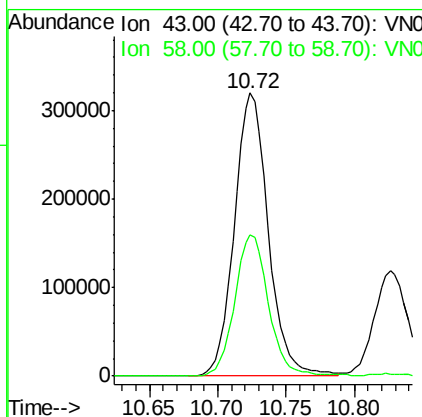
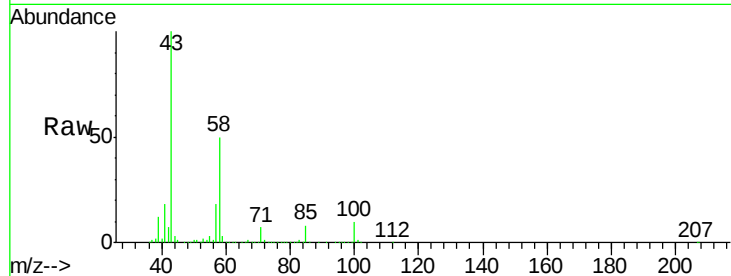
#59
2-Hexanone
Concen: 112.483 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	27.2	81.6

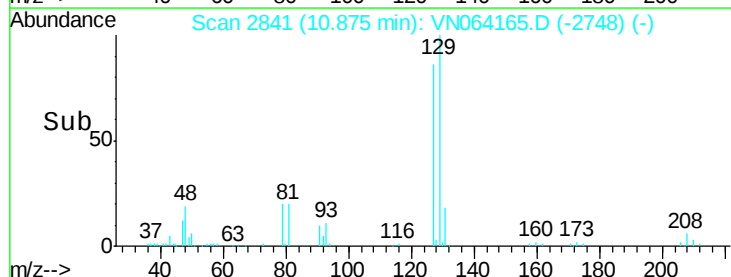
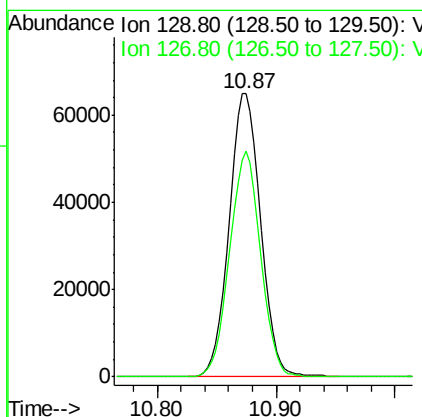
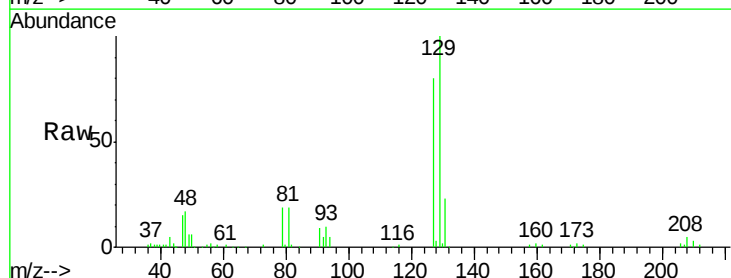
Manual Integrations
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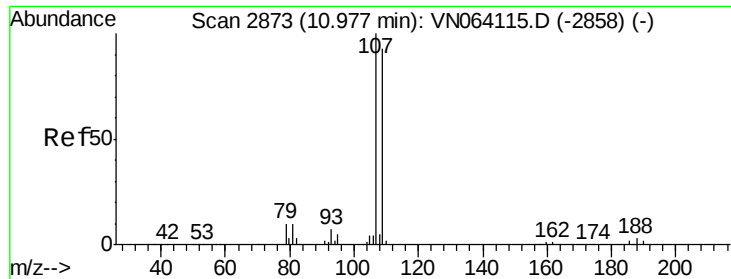
MMDadoda
10/19/2020 4:22:23 PM



#60
Dibromochloromethane
Concen: 18.335 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.2	114.6





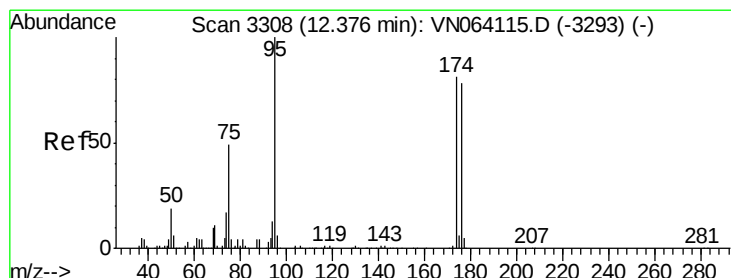
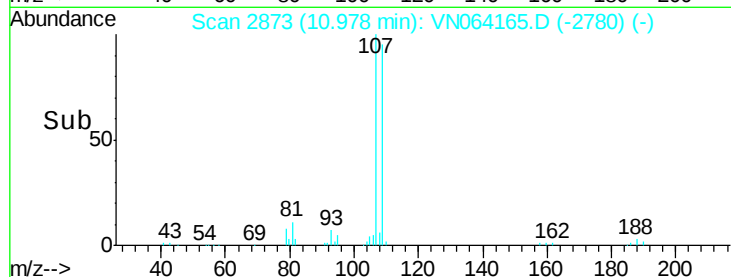
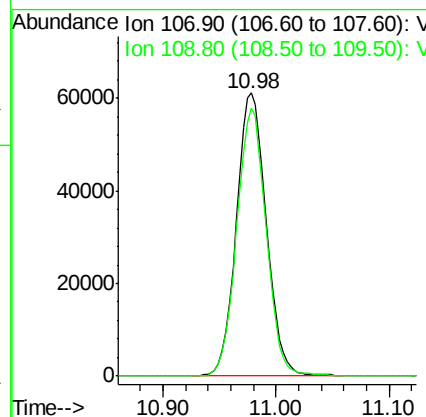
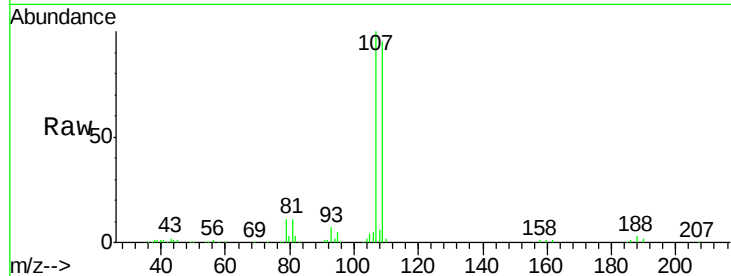
#61
 1,2-Dibromoethane
 Concen: 19.156 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.2	112.8

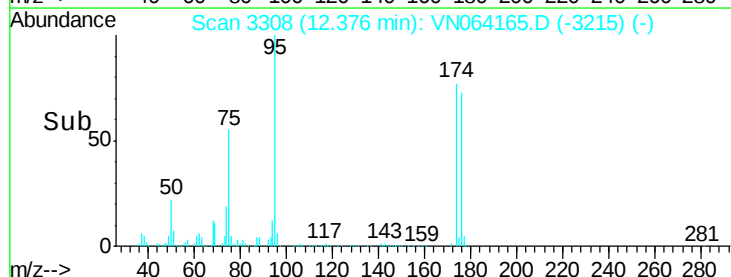
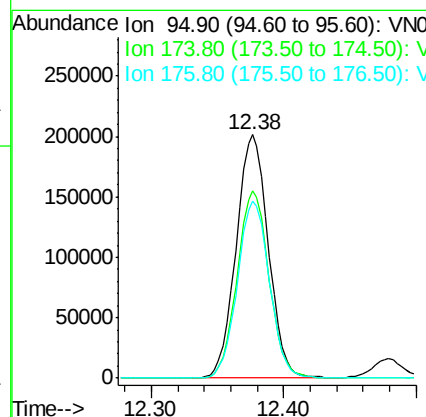
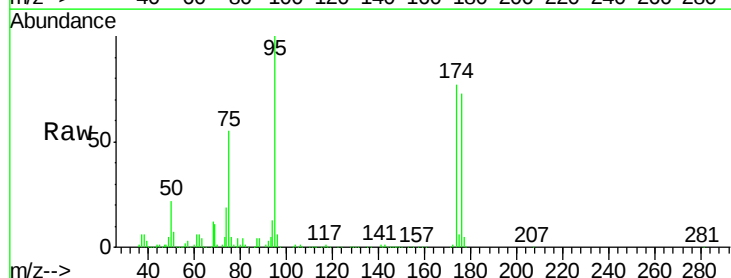
Manual Integrations
 APPROVED

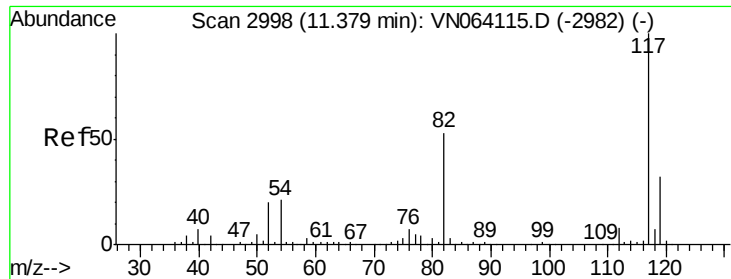
MMDadoda
 10/19/2020 4:22:23 PM



#62
 4-Bromofluorobenzene
 Concen: 48.471 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	164.8
176	72.7	0.0	157.8





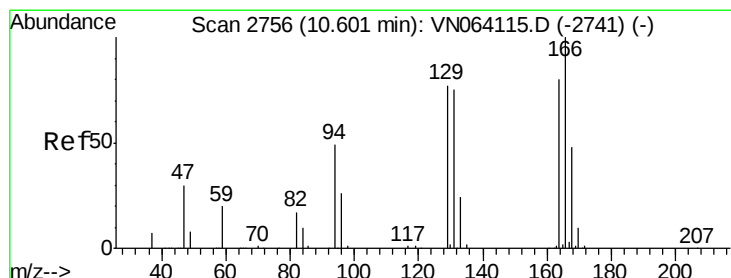
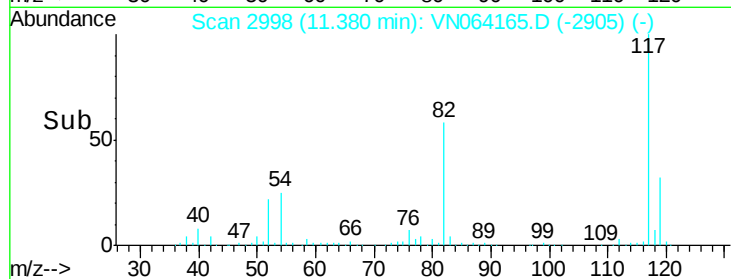
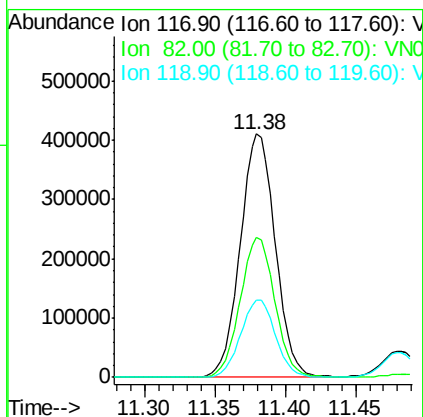
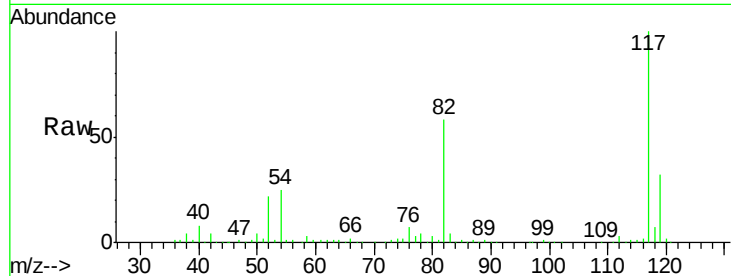
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	42.6	63.8
119	31.6	25.5	38.3

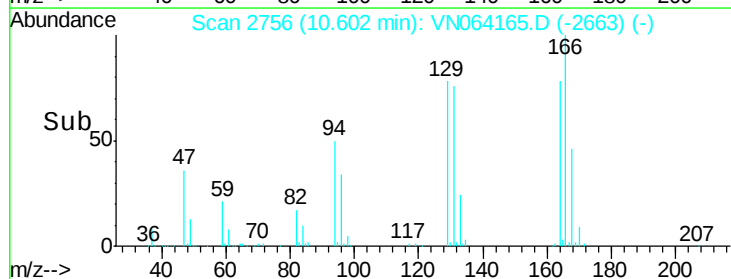
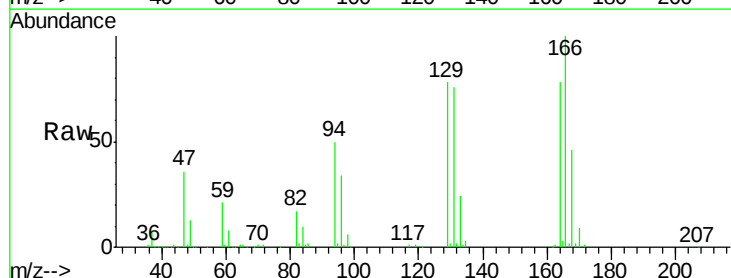
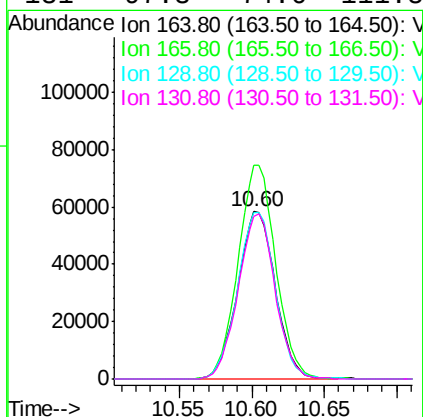
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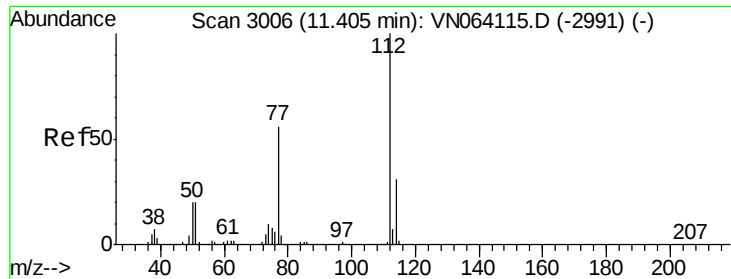
MMDadoda
10/19/2020 4:22:23 PM



#64
Tetrachloroethene
Concen: 19.604 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	99.7	149.5
129	99.1	77.0	115.4
131	97.3	74.6	111.8





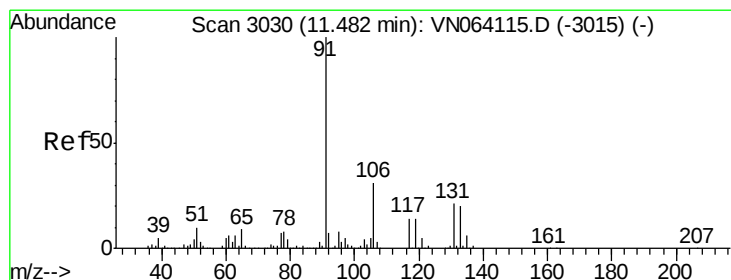
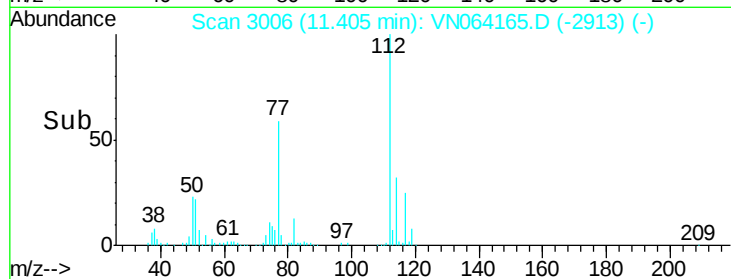
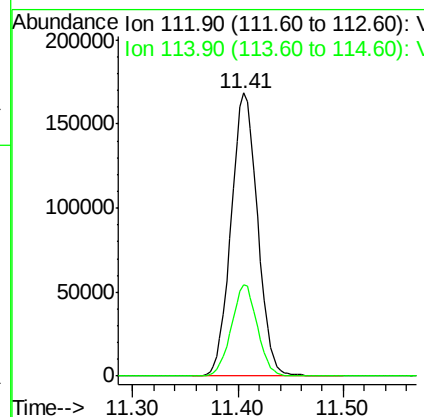
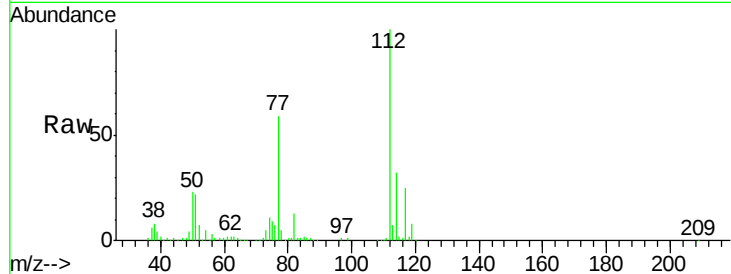
#65
Chlorobenzene
Concen: 19.380 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	292305		
114	32.4	24.6	37.0	

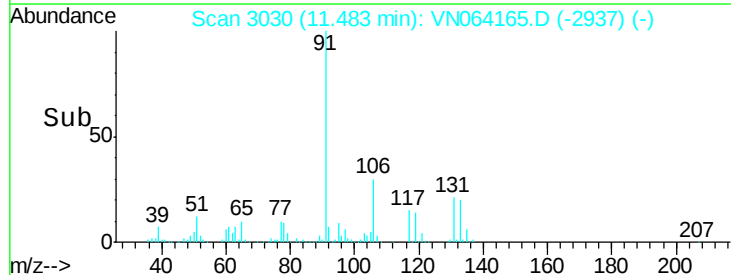
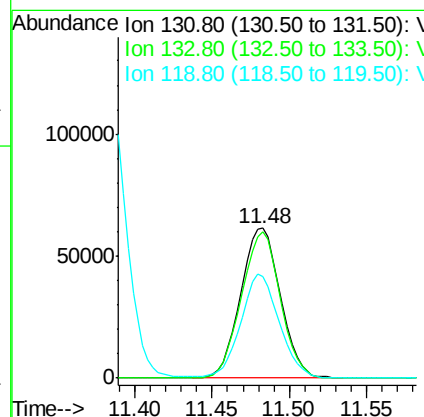
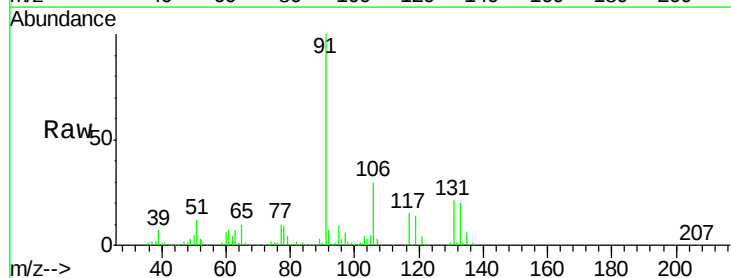
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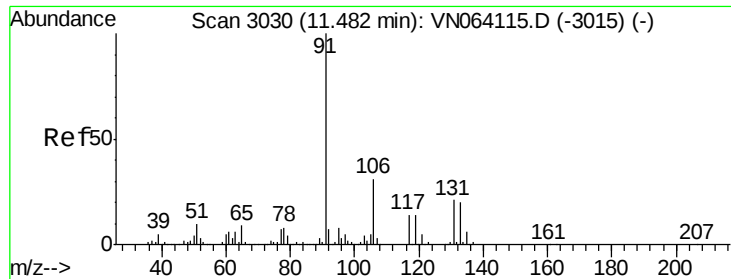
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.211 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	110011		
133	95.4	47.3	141.9	
119	66.4	32.8	98.4	





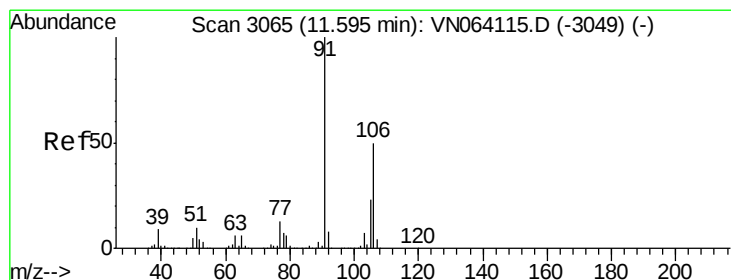
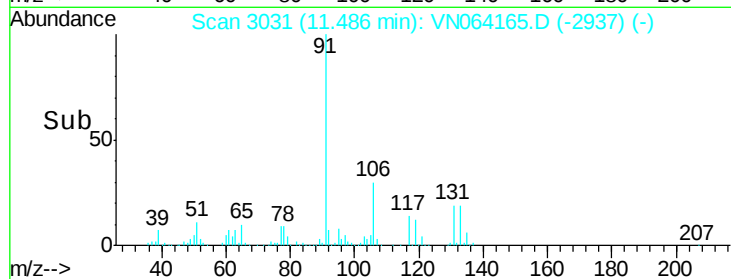
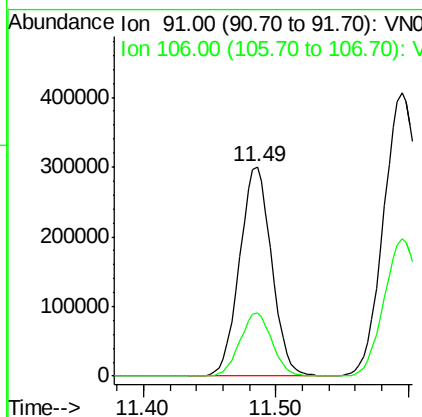
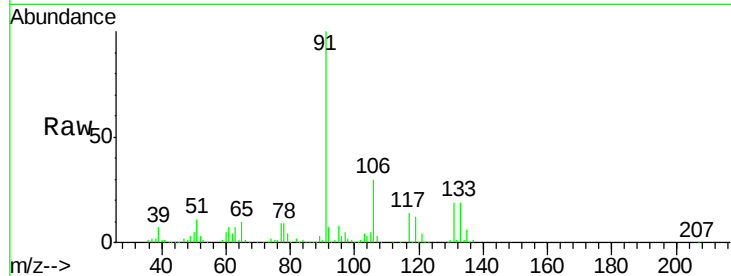
#67
Ethyl Benzene
Concen: 19.924 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion: 91 Resp: 503393
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1

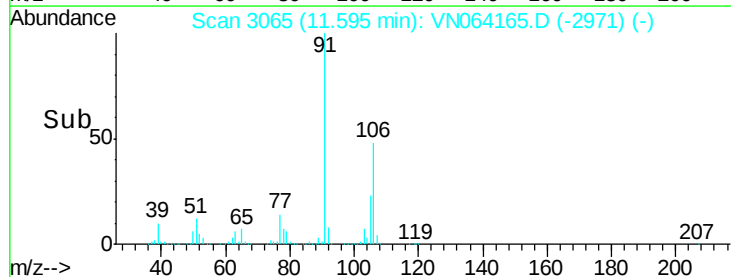
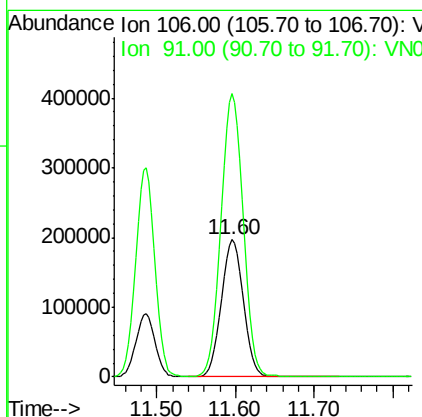
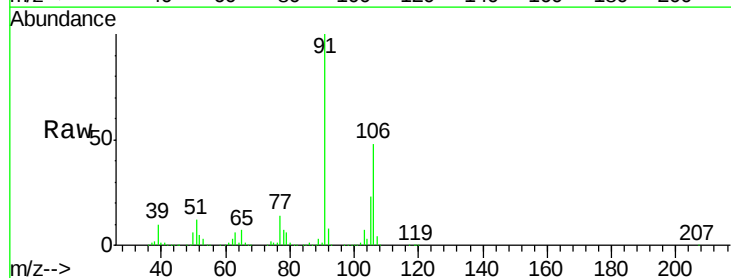
Manual Integrations
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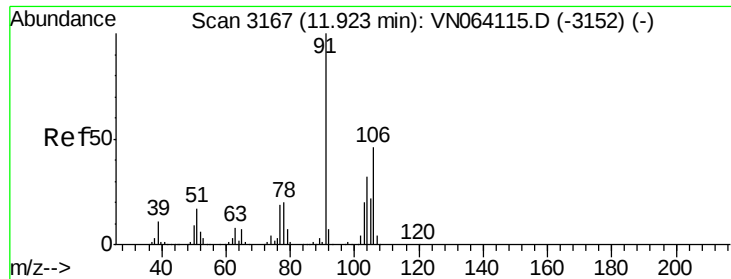
MMDadoda
10/19/2020 4:22:23 PM



#68
m/p-Xylenes
Concen: 37.971 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion: 106 Resp: 381014
Ion Ratio Lower Upper
106 100
91 205.9 162.1 243.1





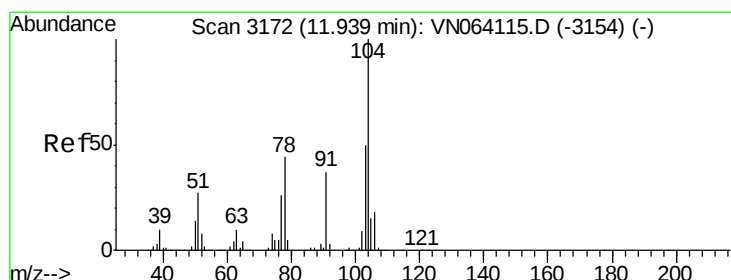
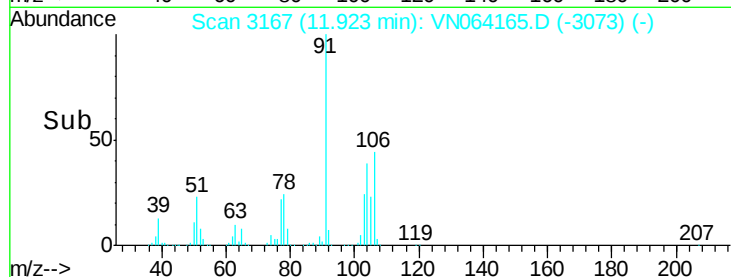
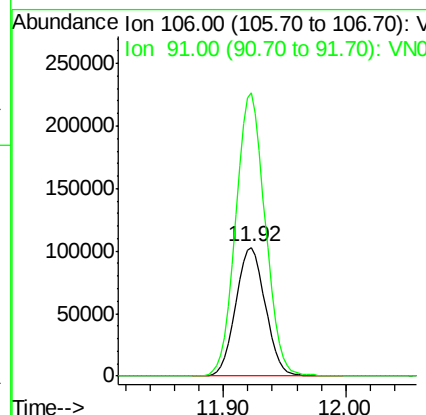
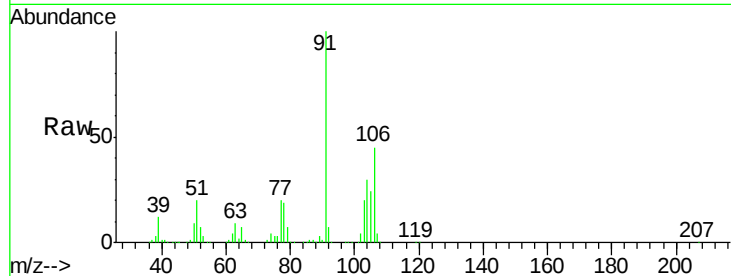
#69
o-Xylene
Concen: 18.481 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.7	107.6	322.8	

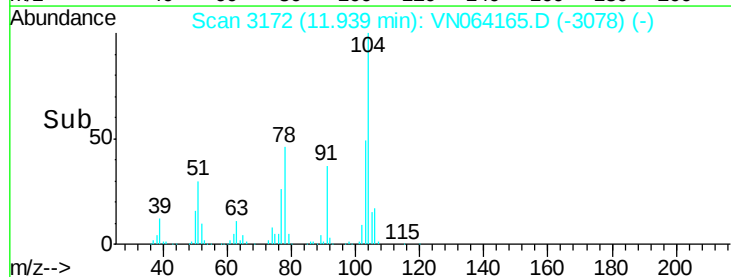
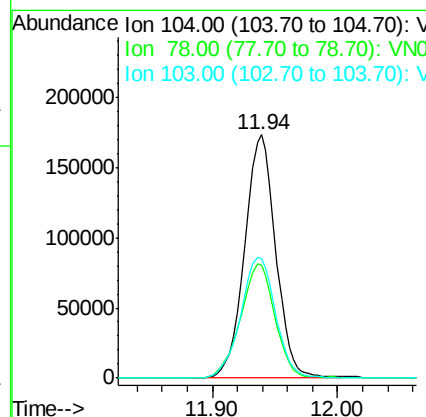
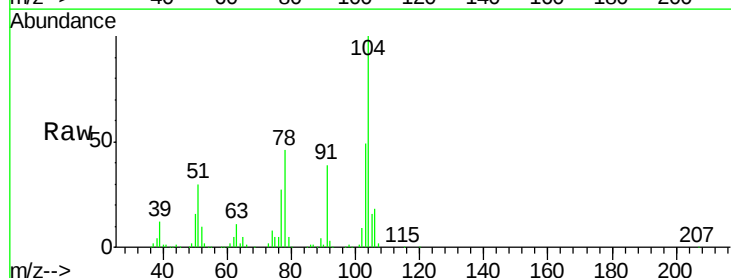
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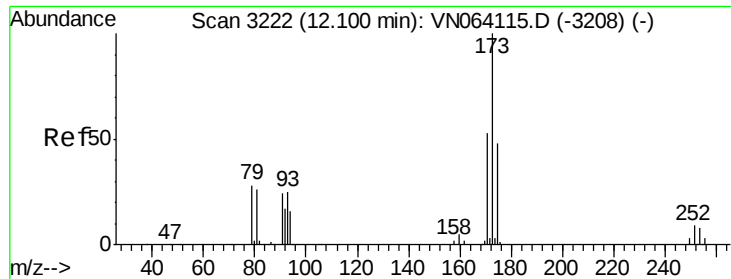
MMDadoda
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#70
Styrene
Concen: 18.667 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.9	39.7	59.5	
103	55.5	44.2	66.2	





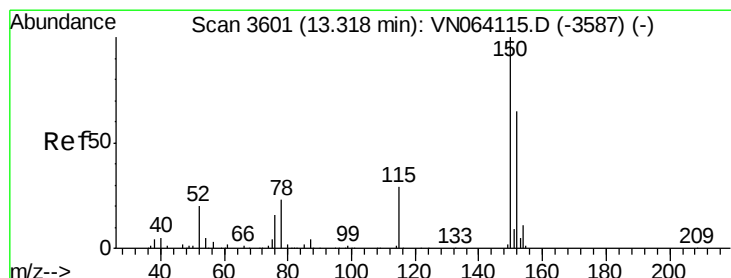
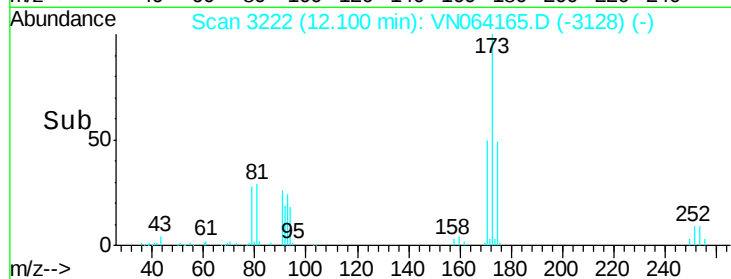
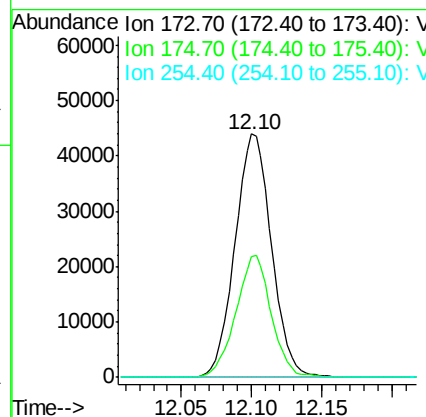
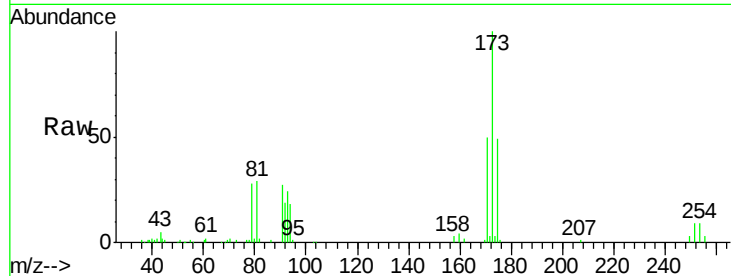
#71
Bromoform
Concen: 18.261 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.4	70.2
254	0.0	0.1	0.1#

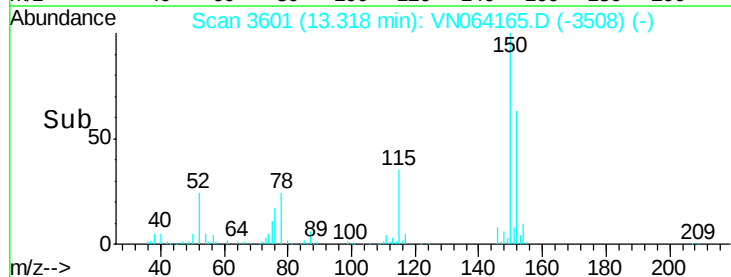
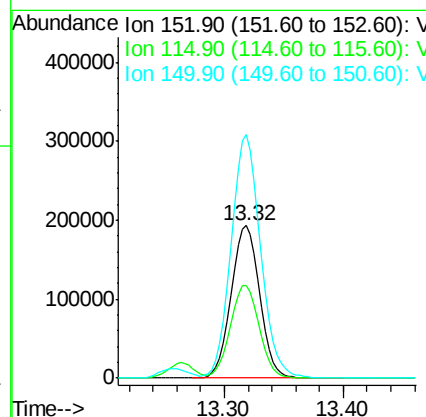
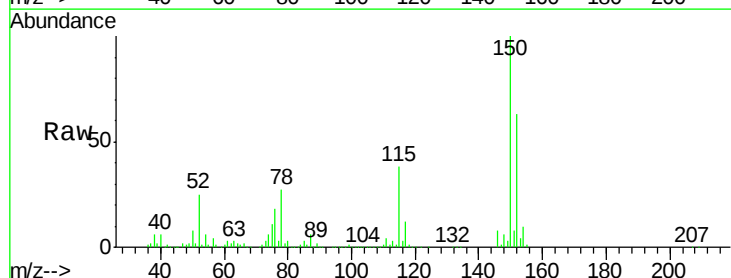
Manual Integrations
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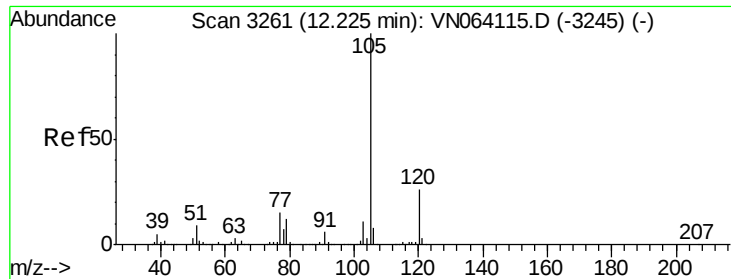
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	29.3	87.8
150	164.0	0.0	346.0





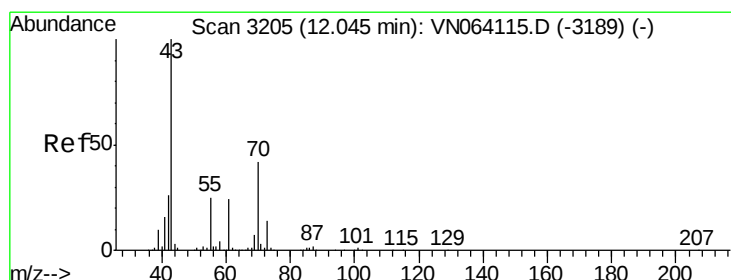
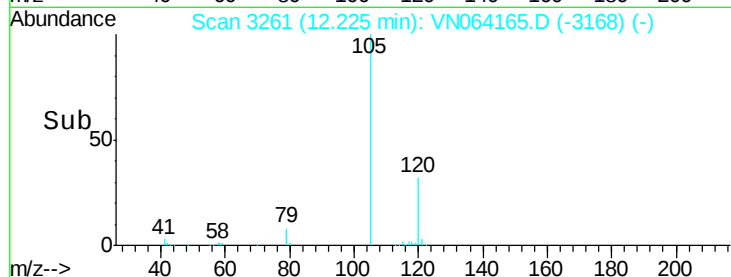
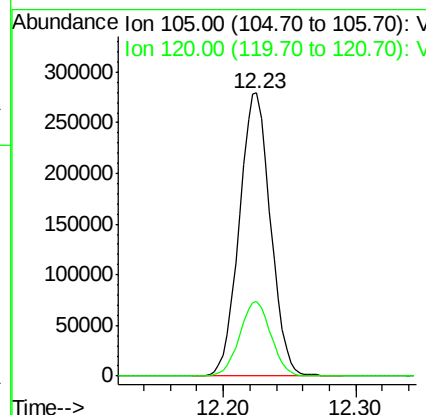
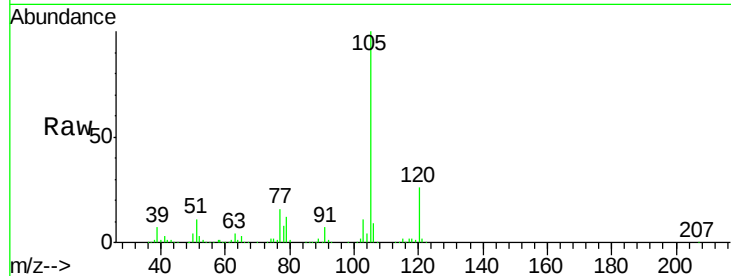
#73
Isopropylbenzene
Concen: 19.608 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	456455		
120	26.5	13.2	39.5	

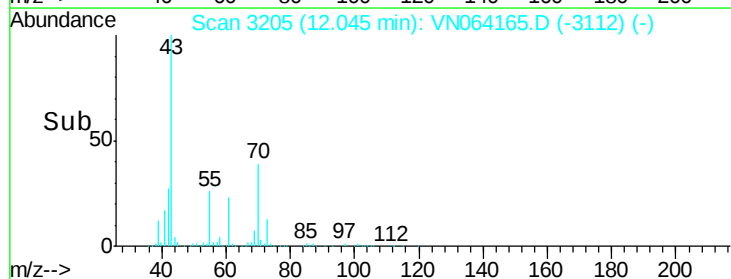
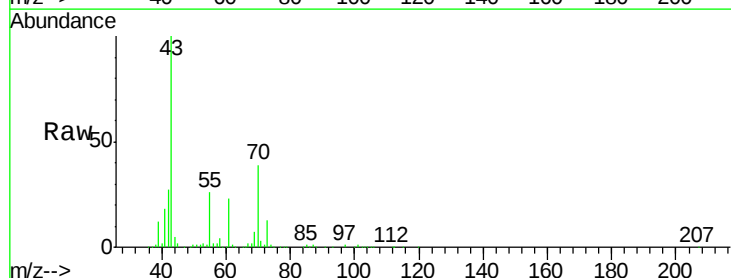
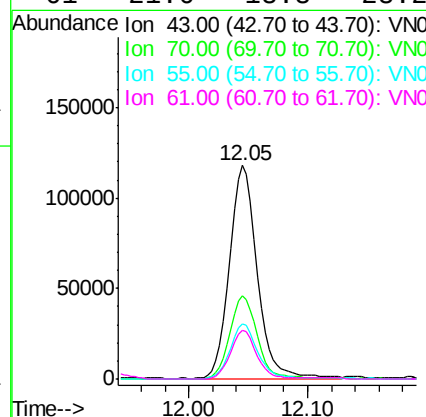
Manual Integrations
APPROVED

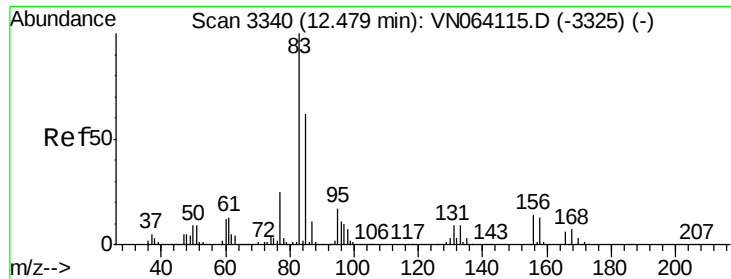
MMDadoda
10/19/2020 4:22:23 PM



#74
N-ethyl acetate
Concen: 21.744 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	189566		
70	39.0	33.2	49.8	
55	26.0	19.9	29.9	
61	21.6	18.8	28.2	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.398 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 83 Resp: 155477

Ion Ratio Lower Upper

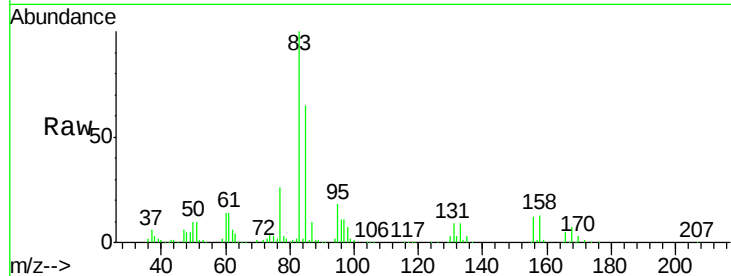
83 100

131 9.2 5.0 15.0

85 65.3 31.9 95.9

Manual Integrations
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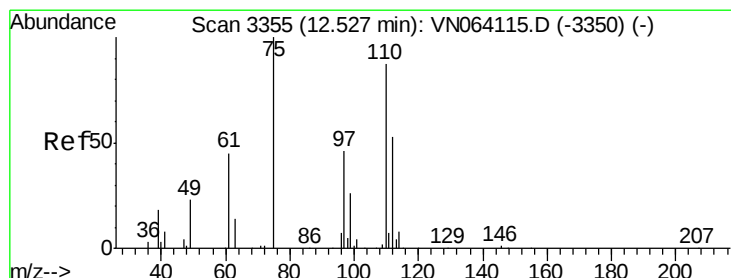
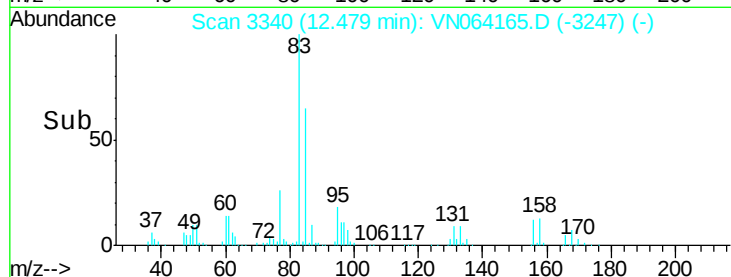
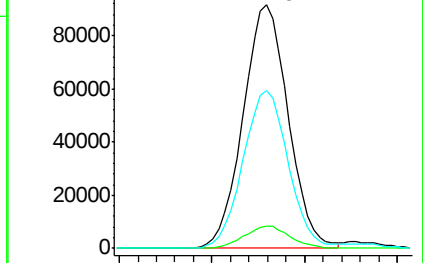
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Abundance Ion 82.90 (82.60 to 83.60): VN064165.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN064165.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN064165.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 19.042 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064165.D

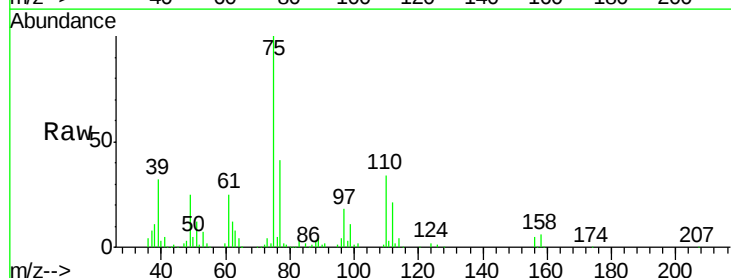
Acq: 16 Oct 2020 15:34

Tgt Ion: 75 Resp: 143572

Ion Ratio Lower Upper

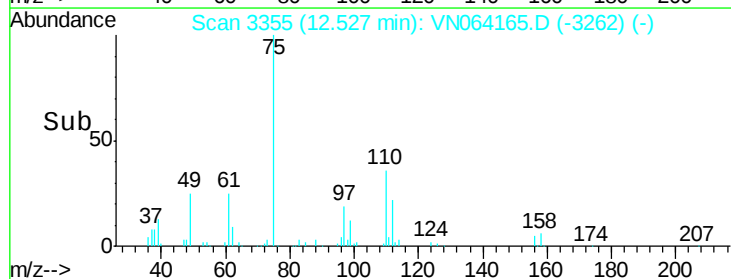
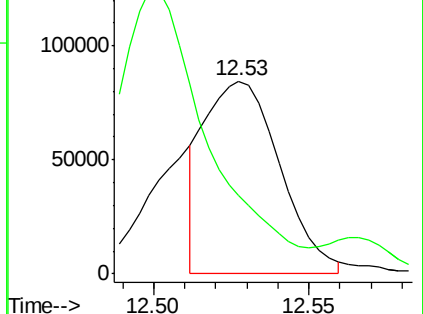
75 100

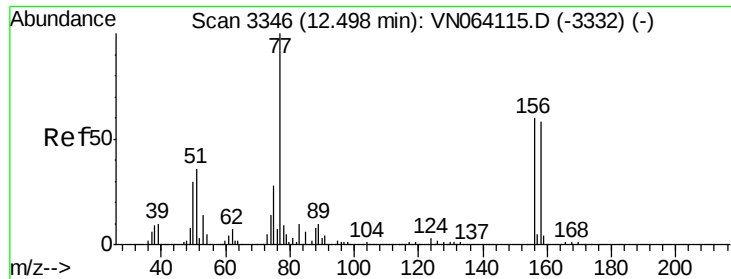
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064165.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064165.D (-3262) (-)





#77

Bromobenzene

Concen: 18.119 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

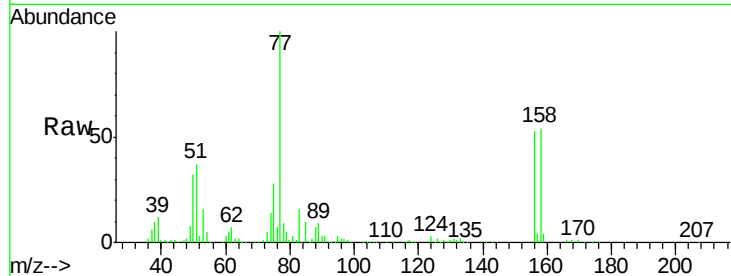
ClientSampleId :

VN1016WBS01

Tot Ion:	156	Resp:	114511
Ion Ratio	Lower	Upper	
156	100		
77	229.3	99.3	297.9
158	100.3	48.6	145.9

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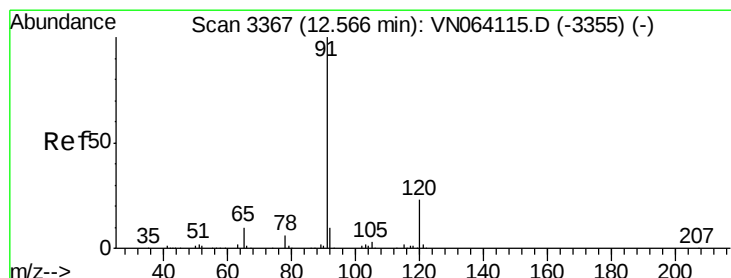
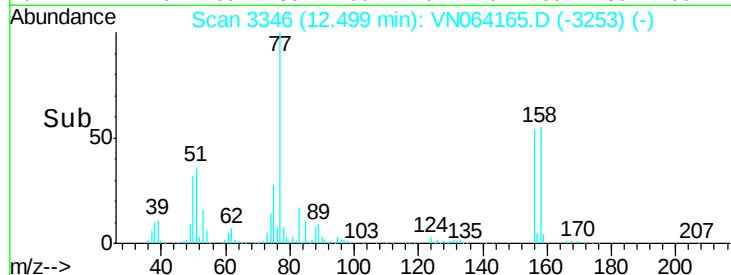
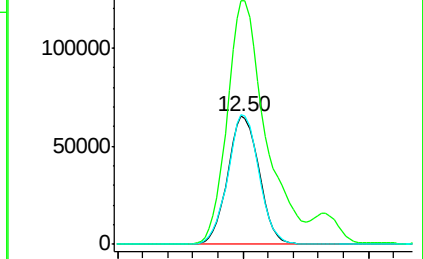
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.700 ug/l

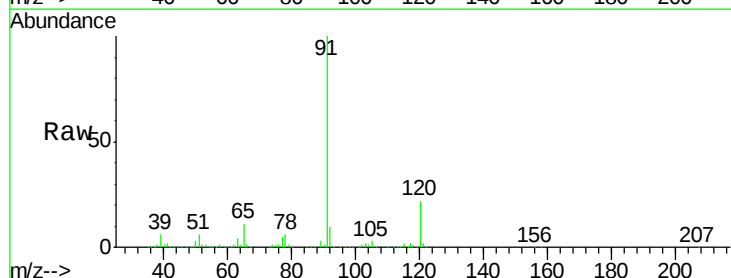
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064165.D

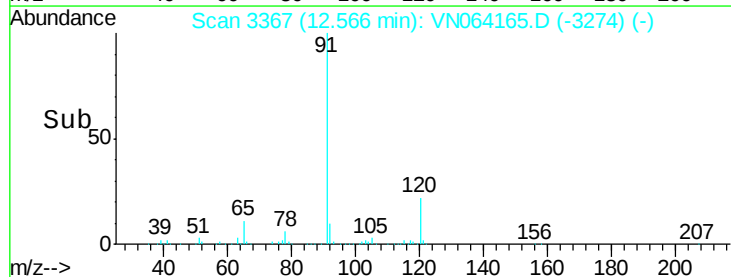
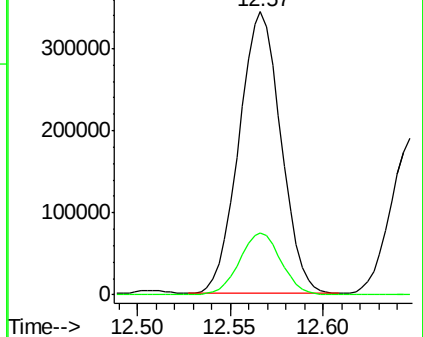
Acq: 16 Oct 2020 15:34

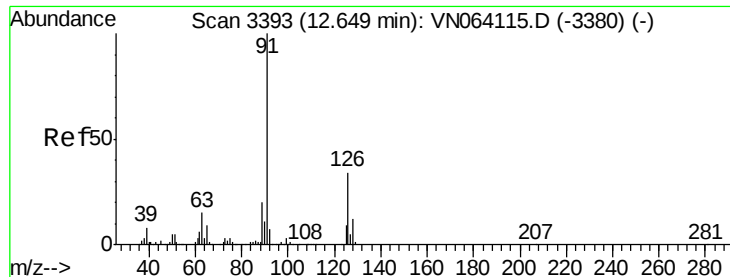
Tgt Ion:	91	Resp:	537835
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.569 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 91 Resp: 323377

Ion Ratio Lower Upper

91 100

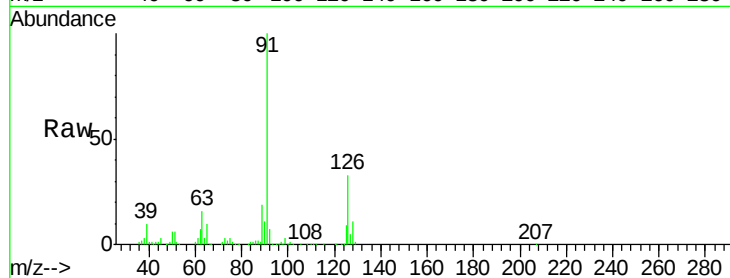
126 33.8 17.5 52.5

Manual Integrations

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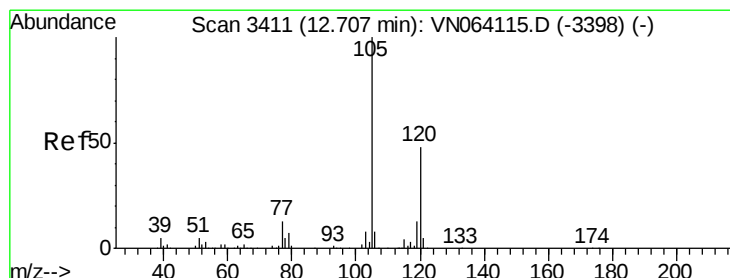
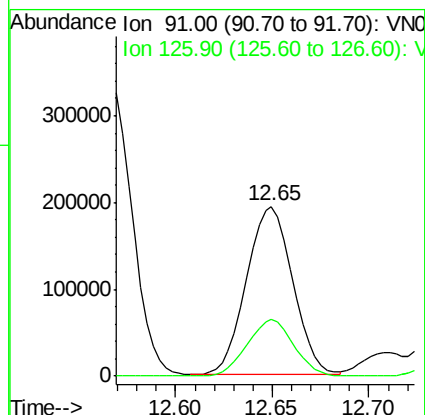
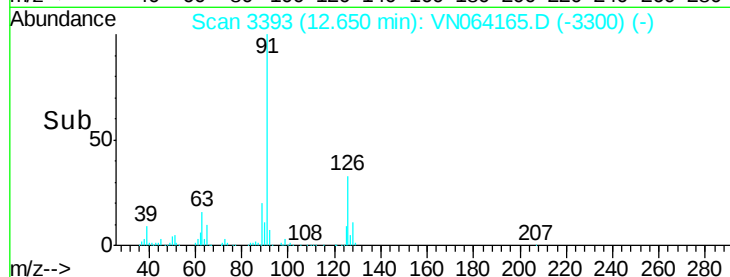
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Abundance Ion 91.00 (90.70 to 91.70): VN064165.D (-3300) (-)

Ion 125.90 (125.60 to 126.60): VN064165.D (-3300) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.357 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064165.D

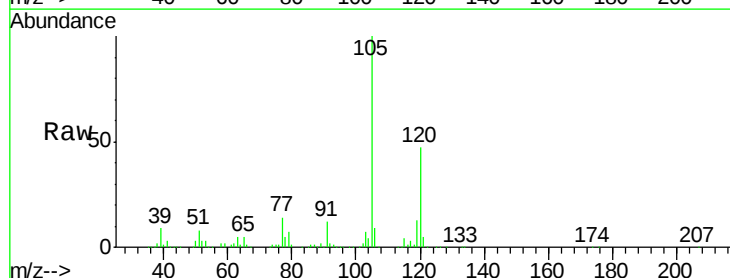
Acq: 16 Oct 2020 15:34

Tgt Ion: 105 Resp: 380385

Ion Ratio Lower Upper

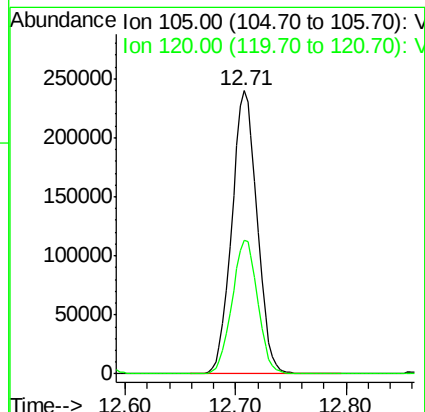
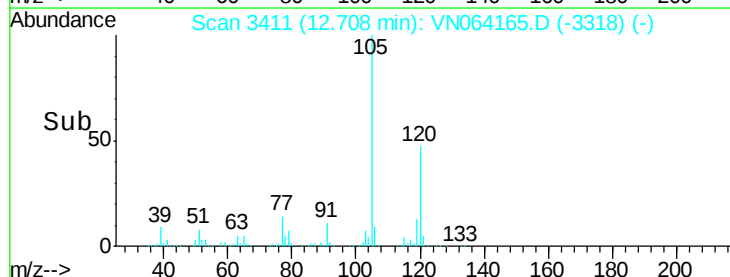
105 100

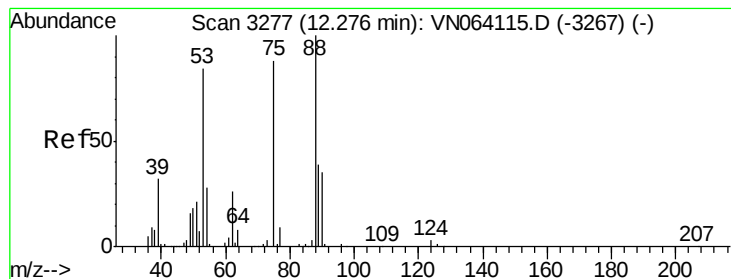
120 47.8 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN064165.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064165.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.651 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

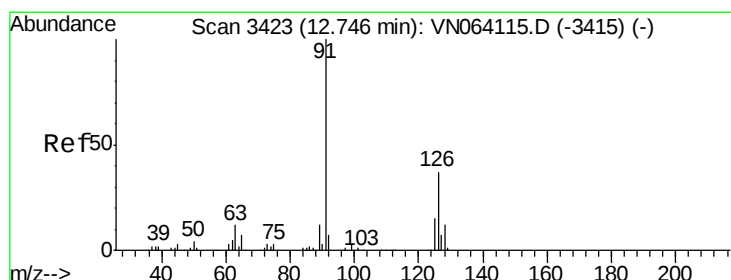
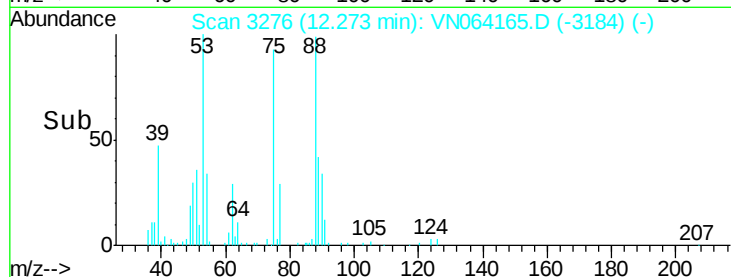
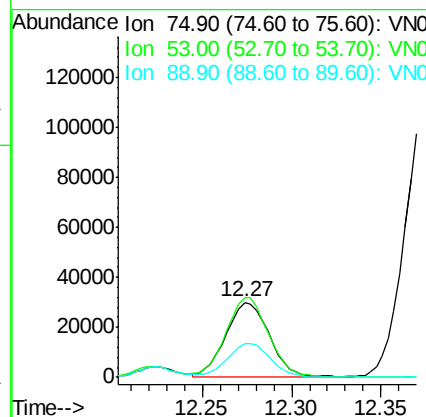
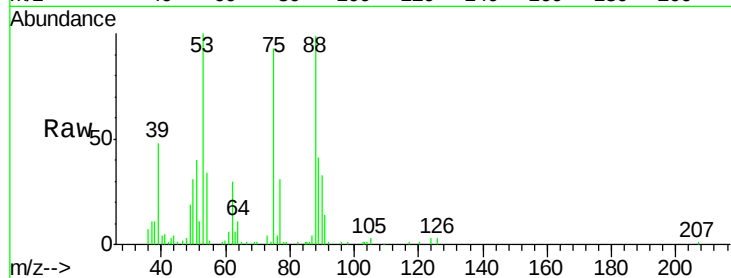
ClientSampleId :

VN1016WBS01

Tot Ion:	75	Resp:	50964
Ion	Ratio	Lower	Upper
75	100		
53	103.9	75.7	113.5
89	45.0	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.325 ug/l

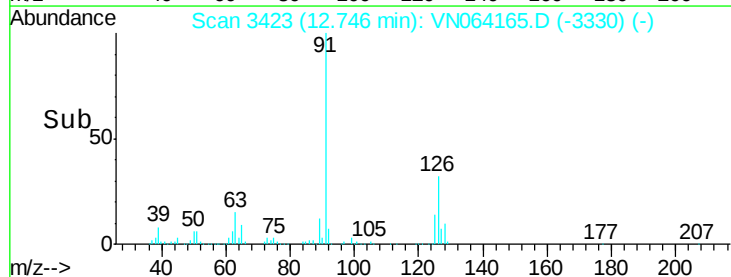
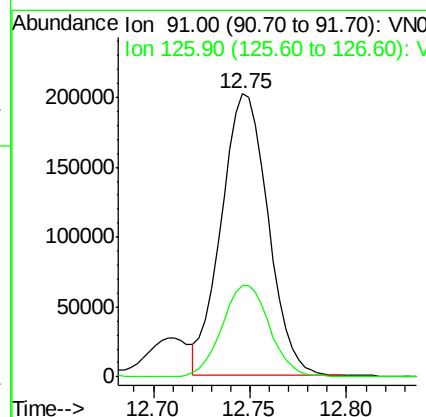
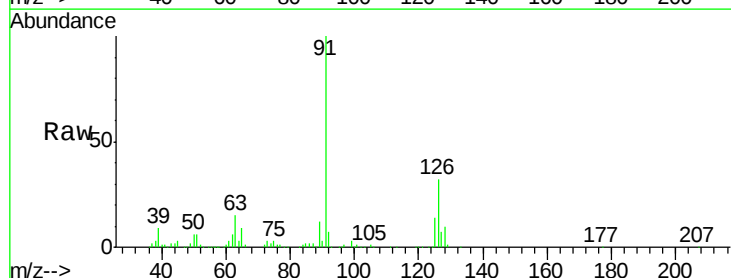
RT: 12.75 min Scan# 3423

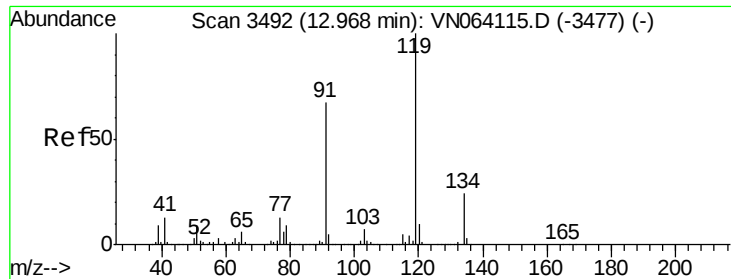
Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Tgt Ion:	91	Resp:	338520
Ion	Ratio	Lower	Upper
91	100		
126	33.3	17.1	51.2





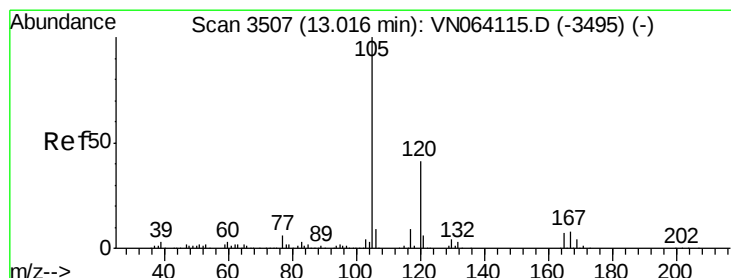
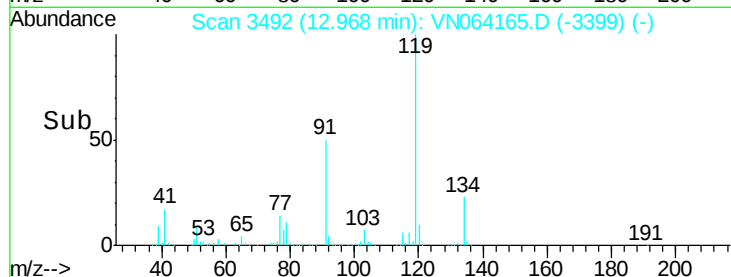
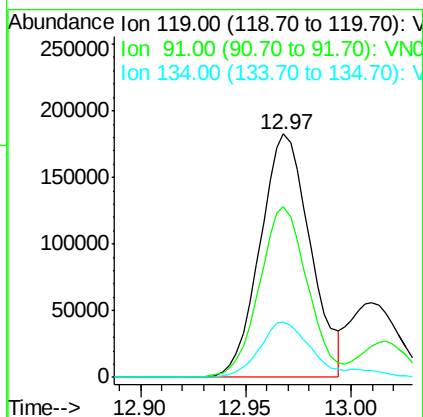
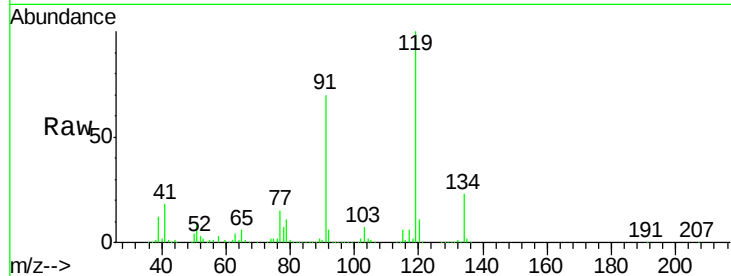
#83
tert-Butylbenzene
Concen: 19.609 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	303025		
91	67.0		32.6	98.0
134	22.8		13.0	39.0

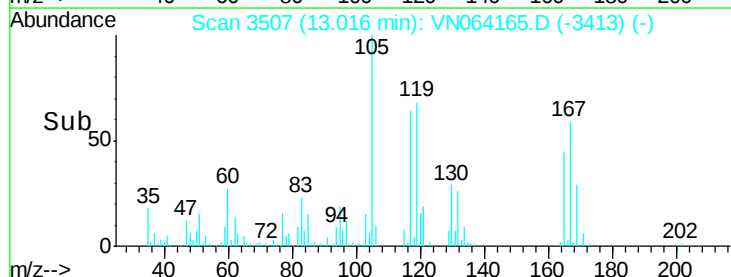
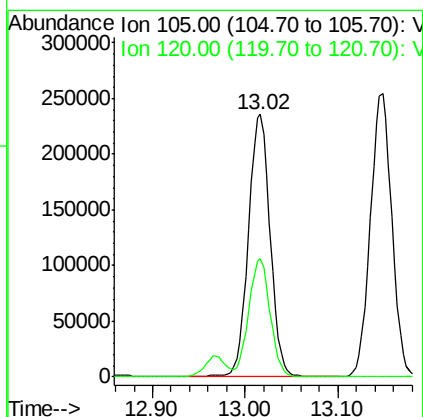
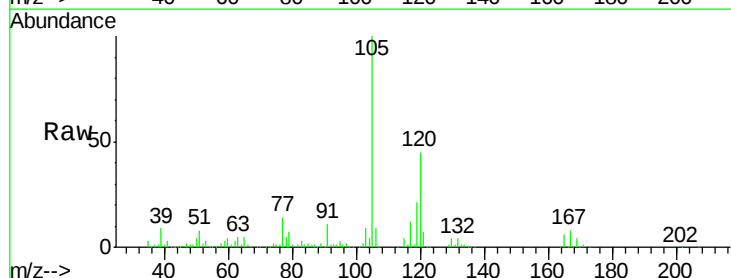
Manual Integrations
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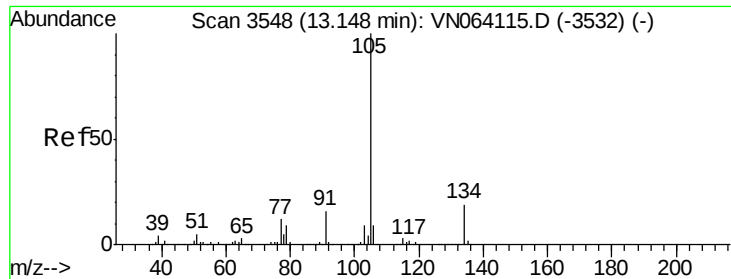
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#84
1,2,4-Trimethylbenzene
Concen: 19.832 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	384060		
120	44.0		22.8	68.4





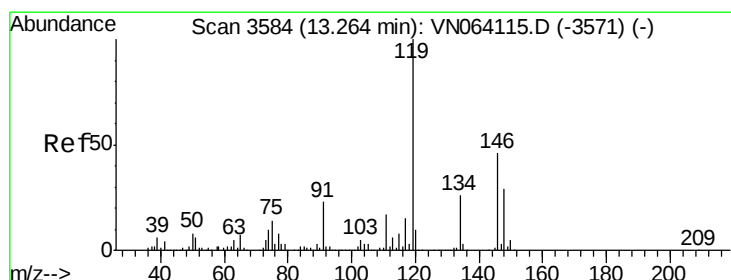
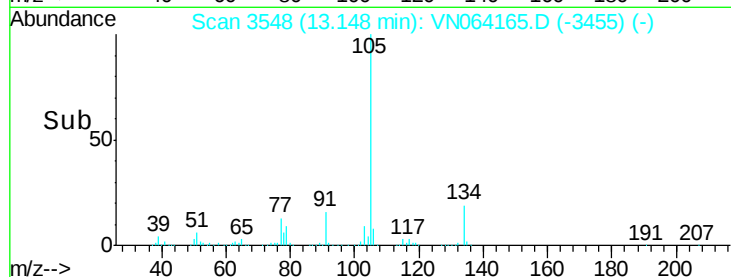
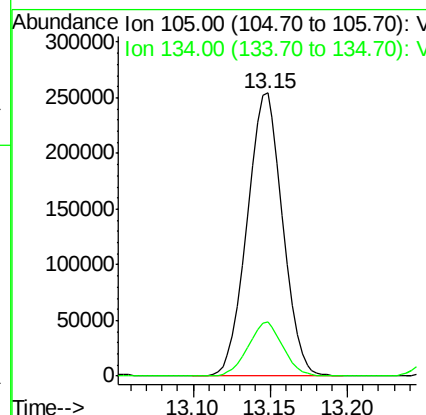
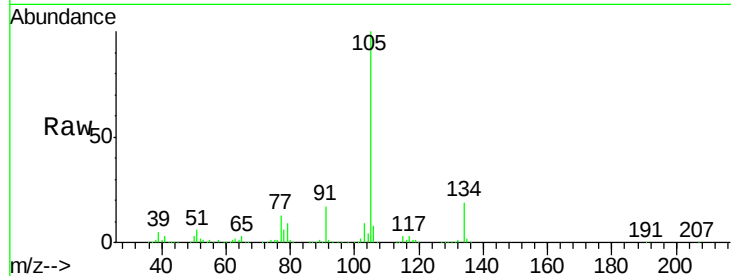
#85
 sec-Butylbenzene
 Concen: 20.396 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	405186		
134	18.9	9.7	29.1	

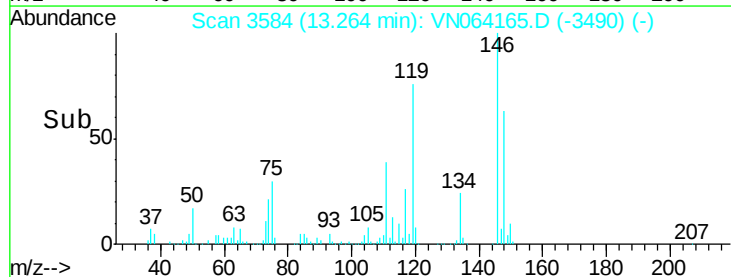
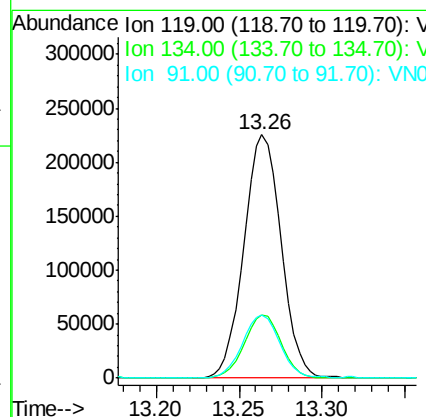
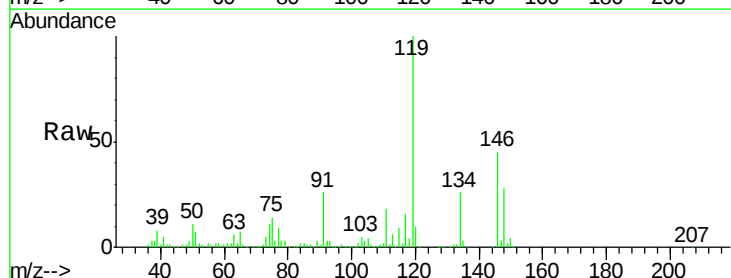
Manual Integrations
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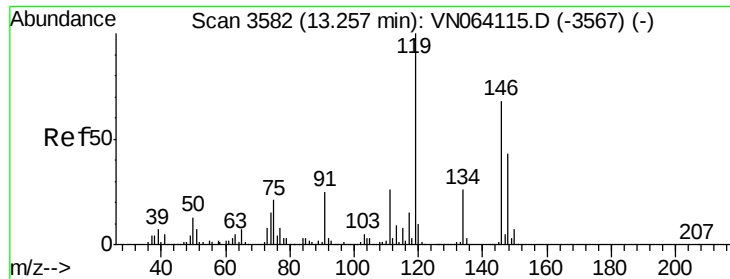
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#86
 p-Isopropyltoluene
 Concen: 19.117 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	351423		
134	25.8	13.2	39.5	
91	26.1	12.0	36.1	





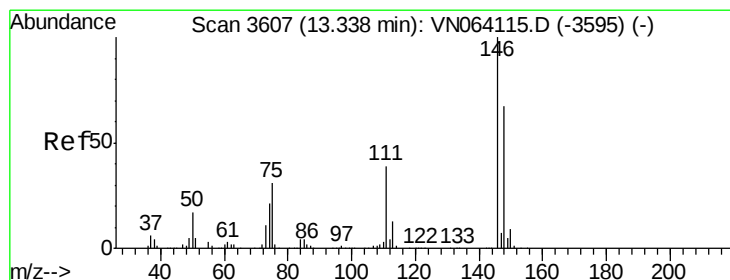
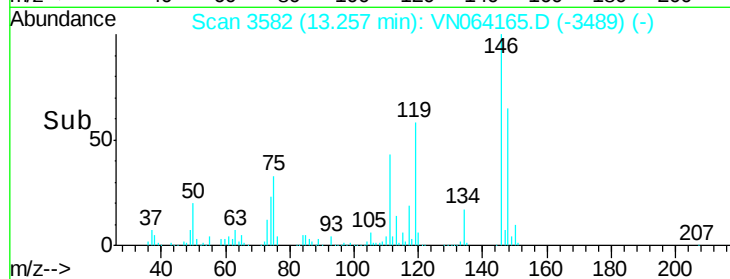
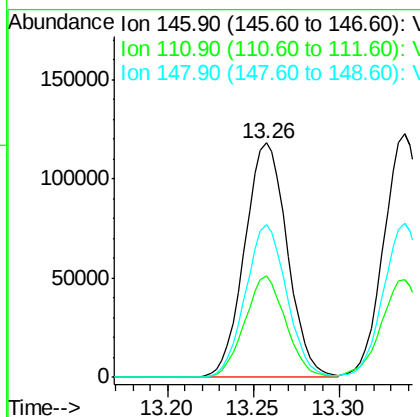
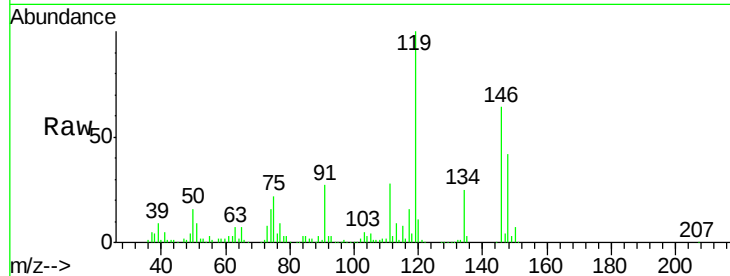
#87
 1,3-Dichlorobenzene
 Concen: 19.273 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	202946		
111	41.7	19.7	59.1	
148	63.2	32.0	96.2	

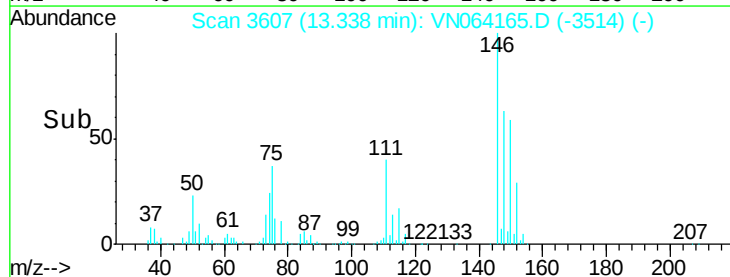
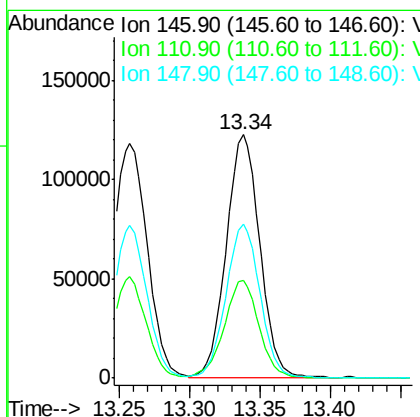
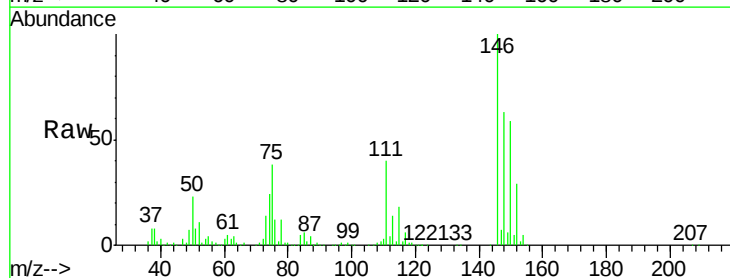
Manual Integrations
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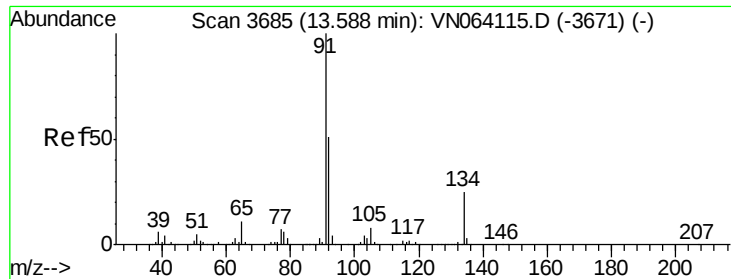
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#88
 1,4-Dichlorobenzene
 Concen: 18.849 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	203007		
111	41.1	19.3	57.9	
148	64.4	32.1	96.5	





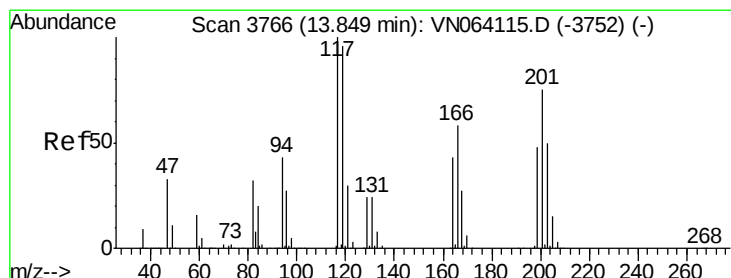
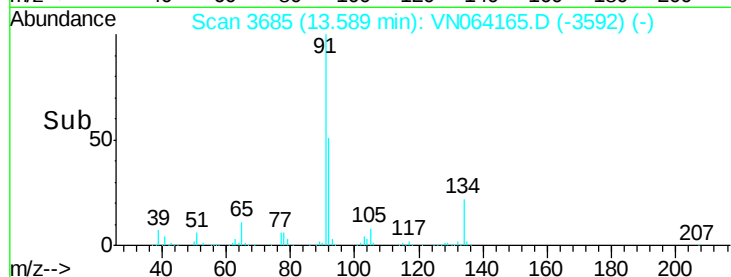
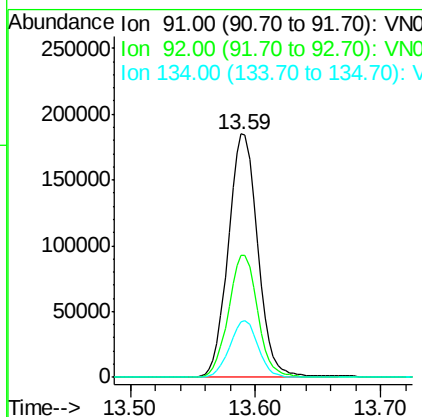
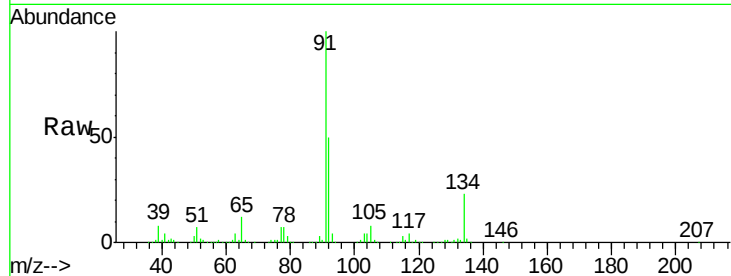
#89
n-Butylbenzene
Concen: 20.872 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.7	25.6	76.6
134	22.6	12.6	37.8

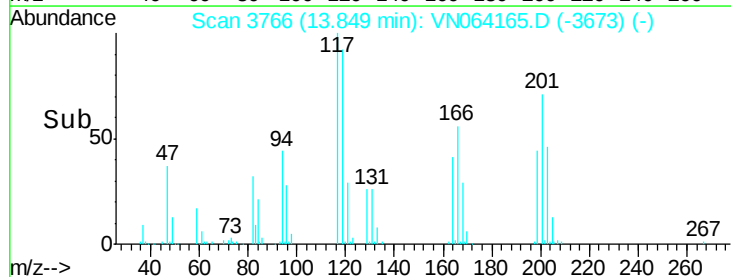
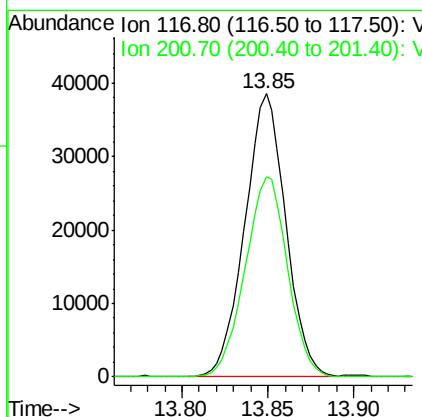
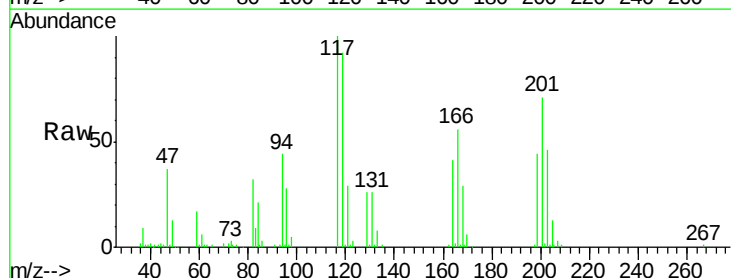
Manual Integrations
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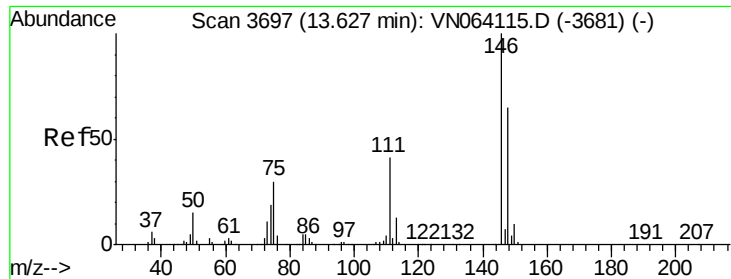
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#90
Hexachloroethane
Concen: 19.274 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064165.D
Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.9	37.4	112.2





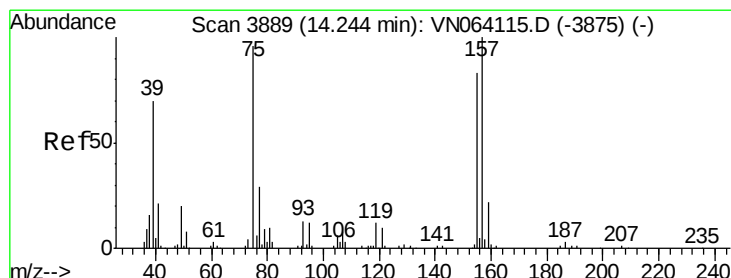
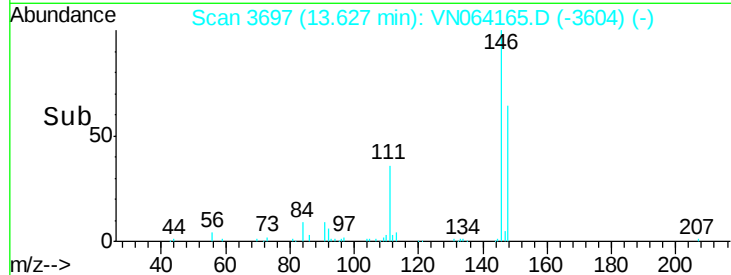
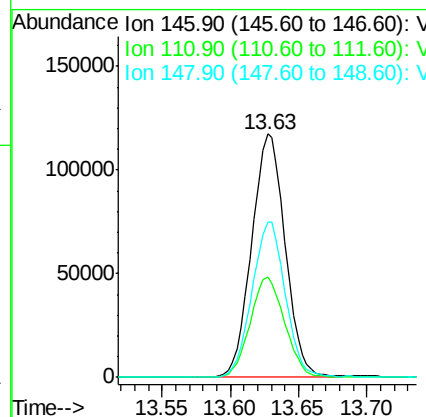
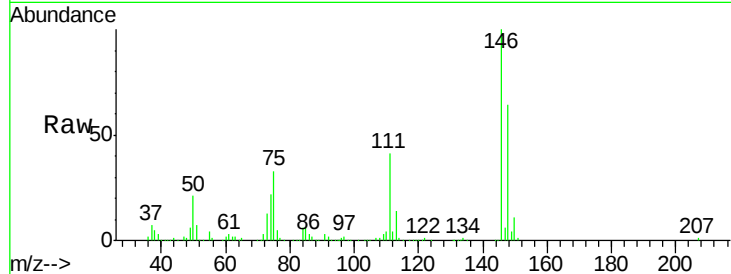
#91
 1,2-Dichlorobenzene
 Concen: 19.141 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.3	60.8
148	63.3	32.2	96.6

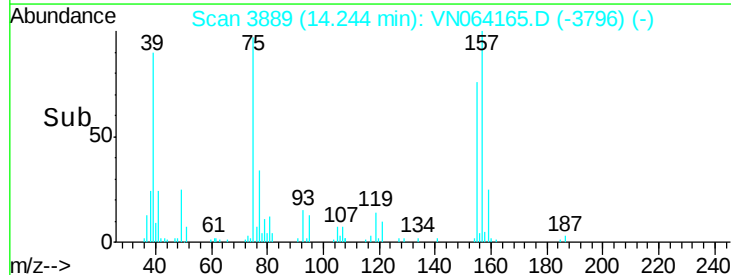
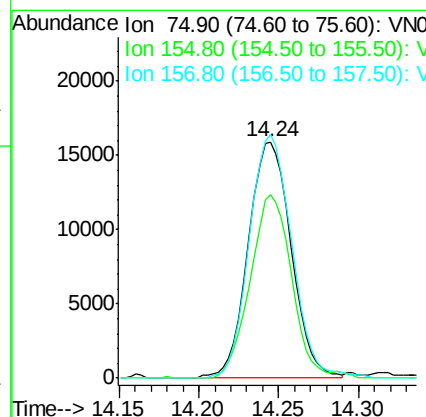
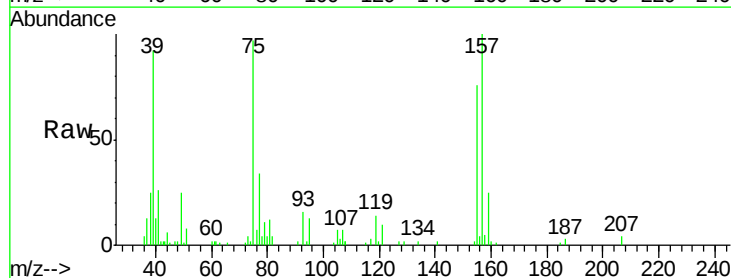
Manual Integrations
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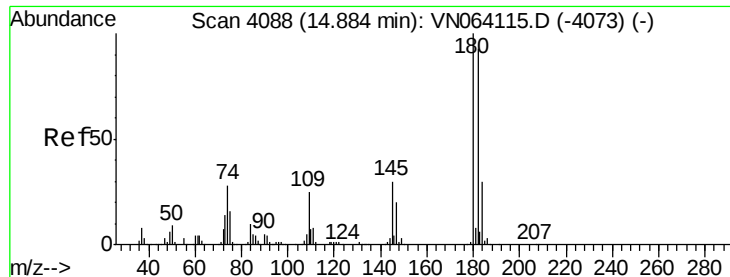
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.932 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.2	40.8	122.2
157	102.2	53.9	161.7





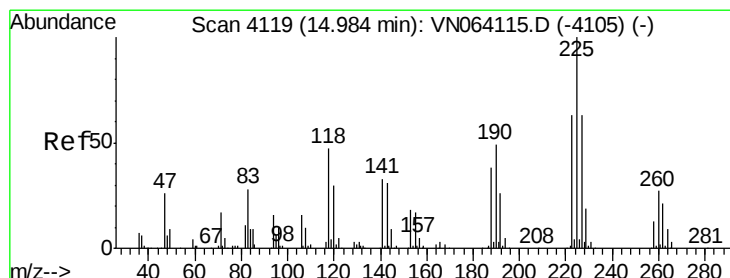
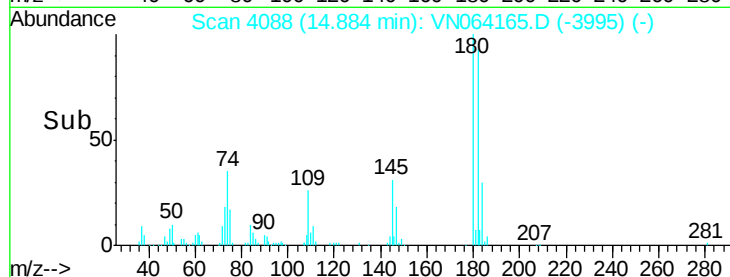
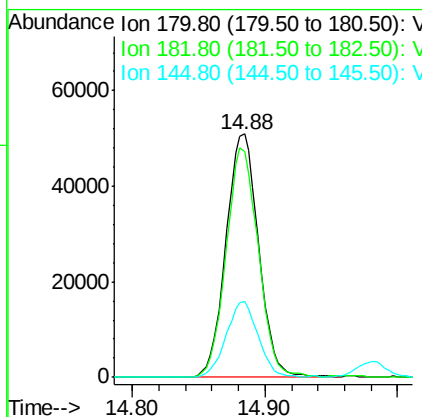
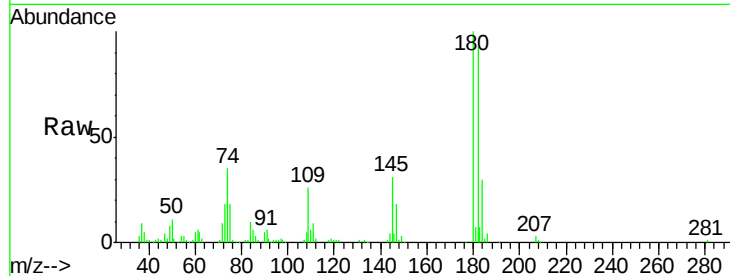
#93
 1,2,4-Trichlorobenzene
 Concen: 19.048 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	45.8	137.4
145	30.5	15.4	46.1

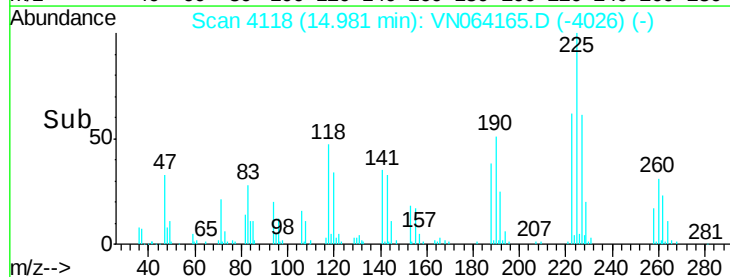
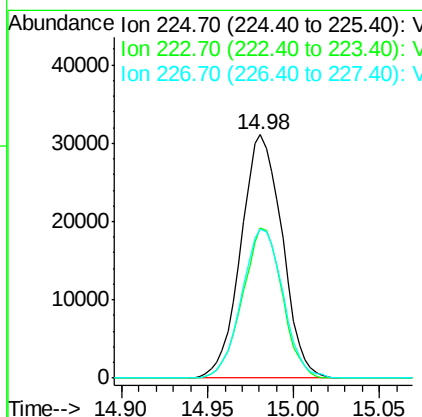
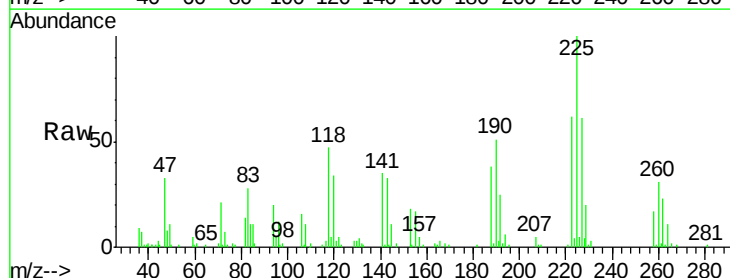
Manual Integrations
 APPROVED

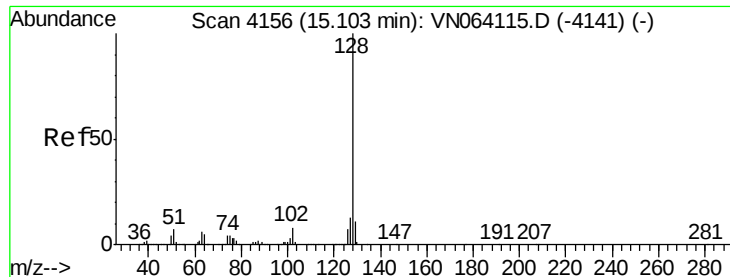
MMDadoda
 10/19/2020 4:22:23 PM



#94
 Hexachlorobutadiene
 Concen: 20.756 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064165.D
 Acq: 16 Oct 2020 15:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	32.3	96.9
227	61.6	31.6	94.8





#95

Naphthalene

Concen: 18.287 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Instrument :

MSVOA_N

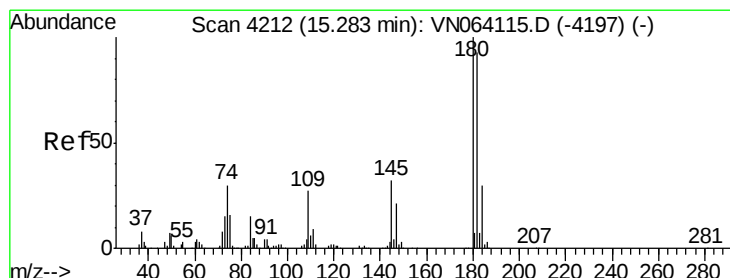
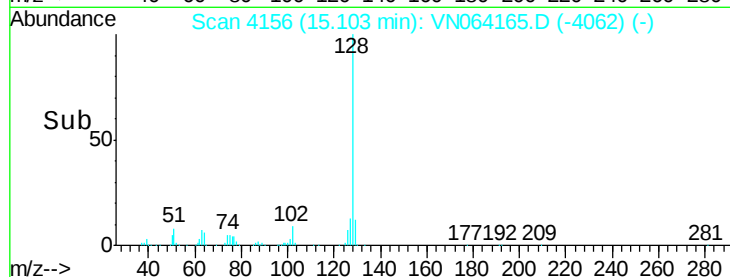
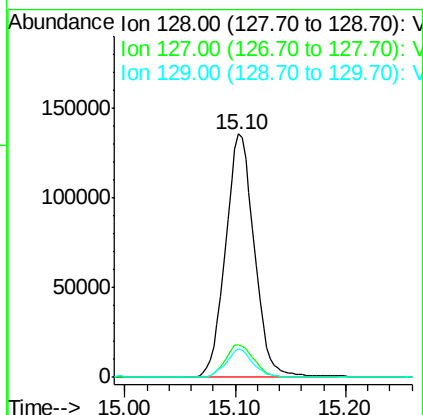
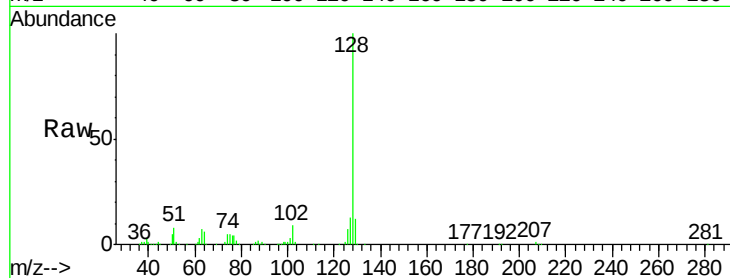
ClientSampleId :

VN1016WBS01

Tot Ion:	128	Resp:	246656
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.2	15.4
129	11.0	8.5	12.7

Manual Integrations
APPROVED

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10/19/2020 4:22:23 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.067 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064165.D

Acq: 16 Oct 2020 15:34

Tgt Ion:	180	Resp:	88351
Ion Ratio	Lower	Upper	
180	100		
182	98.2	46.6	139.8
145	33.0	16.1	48.2

