

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055490.D
 Acq On : 9 May 2019 12:18
 Operator : JC/SP
 Sample : VN0509MBS01
 Misc : 5.00µl/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:43:34 PM

Quant Time: May 09 15:33:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	704096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1199718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1033642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	405911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	516605	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	7.59	113	390096	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	1527784	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	500149	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	137878	19.234	ug/l	100
3) Chloromethane	2.06	50	226949	19.487	ug/l	97
4) Vinyl Chloride	2.19	62	217793	19.811	ug/l	98
5) Bromomethane	2.55	94	126336	20.974	ug/l	99
6) Chloroethane	2.70	64	133599	20.864	ug/l	96
7) Trichlorofluoromethane	3.02	101	245684	20.371	ug/l	98
8) Diethyl Ether	3.41	74	108148	19.967	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	152753	19.908	ug/l	98
10) Methyl Iodide	3.95	142	209808	20.230	ug/l	100
11) Tert butyl alcohol	4.81	59	141700	90.526	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	153225	19.911	ug/l	97
13) Acrolein	3.61	56	105547	101.175	ug/l	100
14) Allyl chloride	4.32	41	303790	19.272	ug/l	98
15) Acrylonitrile	5.00	53	474971	97.995	ug/l	100
16) Acetone	3.82	43	455705	92.835	ug/l	99
17) Carbon Disulfide	4.05	76	409821	19.513	ug/l	99
18) Methyl Acetate	4.33	43	201606	18.883	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	496397	19.413	ug/l	98
20) Methylene Chloride	4.55	84	190087	18.938	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	169753	20.346	ug/l	96
22) Diisopropyl ether	5.96	45	639792	19.973	ug/l	93
23) Vinyl Acetate	5.90	43	2429074	98.052	ug/l	99
24) 1,1-Dichloroethane	5.85	63	340319	19.680	ug/l	99
25) 2-Butanone	6.84	43	647495	95.489	ug/l	99
26) 2,2-Dichloropropane	6.83	77	213493	19.805	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	194615	20.183	ug/l	99
28) Bromochloromethane	7.20	49	170668	19.005	ug/l	96
29) Tetrahydrofuran	7.22	42	423122	94.390	ug/l	100
30) Chloroform	7.37	83	321802	20.130	ug/l	98
31) Cyclohexane	7.65	56	333501	19.492	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	242691	19.936	ug/l	98
36) 1,1-Dichloropropene	7.79	75	241732	20.452	ug/l	99
37) Ethyl Acetate	6.93	43	261203	20.259	ug/l	99
38) Carbon Tetrachloride	7.77	117	202491	20.346	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	285044	19.780	ug/l	98
40) Benzene	8.04	78	746894	20.361	ug/l	99
41) Methacrylonitrile	7.18	41	93355	15.601	ug/l #	73
42) 1,2-Dichloroethane	8.12	62	254541	19.751	ug/l	100
43) Isopropyl Acetate	8.17	43	383352	19.571	ug/l	98
44) Trichloroethene	8.83	130	178404	20.440	ug/l	96
45) 1,2-Dichloropropane	9.12	63	209618	19.972	ug/l	98
46) Dibromomethane	9.21	93	123857	20.359	ug/l	99
47) Bromodichloromethane	9.40	83	236575	20.327	ug/l	98
48) Methyl methacrylate	9.20	41	183069	19.398	ug/l	99
49) 1,4-Dioxane	9.20	88	71348	387.893	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1247144	96.810	ug/l	100
52) Toluene	10.16	92	431426	20.572	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	227534	20.356	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	271611	20.335	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173749	20.449	ug/l	99
56) Ethyl methacrylate	10.43	69	243853	19.295	ug/l	99
57) 1,3-Dichloropropane	10.71	76	305738	20.268	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	328023	85.753	ug/l	98
59) 2-Hexanone	10.75	43	866254	95.884	ug/l	100
60) Dibromochloromethane	10.90	129	158115	20.467	ug/l	99
61) 1,2-Dibromoethane	11.00	107	163999	20.089	ug/l	98
64) Tetrachloroethene	10.63	164	175155	20.680	ug/l	97
65) Chlorobenzene	11.43	112	437501	20.573	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	150944	20.618	ug/l	99
67) Ethyl Benzene	11.51	91	809853	20.277	ug/l	100
68) m/p-Xylenes	11.62	106	591465	41.265	ug/l	99
69) o-Xylene	11.95	106	292724	20.778	ug/l	100
70) Styrene	11.96	104	470234	20.834	ug/l	100
71) Bromoform	12.13	173	101743	20.594	ug/l #	100
73) Isopropylbenzene	12.25	105	773632	21.696	ug/l	100
74) N-amyl acetate	12.07	43	282431	18.327	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	239611	20.579	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	214825m	19.441	ug/l	
77) Bromobenzene	12.53	156	174163	19.469	ug/l	97
78) n-propylbenzene	12.59	91	868512	19.949	ug/l	99
79) 2-Chlorotoluene	12.67	91	529643	19.521	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	647199	19.937	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55571	18.556	ug/l	92
82) 4-Chlorotoluene	12.77	91	501334	19.555	ug/l	100
83) tert-Butylbenzene	12.99	119	540688	19.431	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	595021	19.986	ug/l	100
85) sec-Butylbenzene	13.17	105	724995	19.605	ug/l	99
86) p-Isopropyltoluene	13.29	119	598667	19.892	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	279825	20.244	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	271256	19.885	ug/l	99
89) n-Butylbenzene	13.61	91	444590	19.058	ug/l	99
90) Hexachloroethane	13.87	117	96175	19.590	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	284813	20.616	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32294	17.301	ug/l	95

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QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	87000	16.741	ug/l	98
94) Hexachlorobutadiene	15.01	225	93202	21.468	ug/l	100
95) Naphthalene	15.13	128	236608	16.096	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	98803	16.856	ug/l	99

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

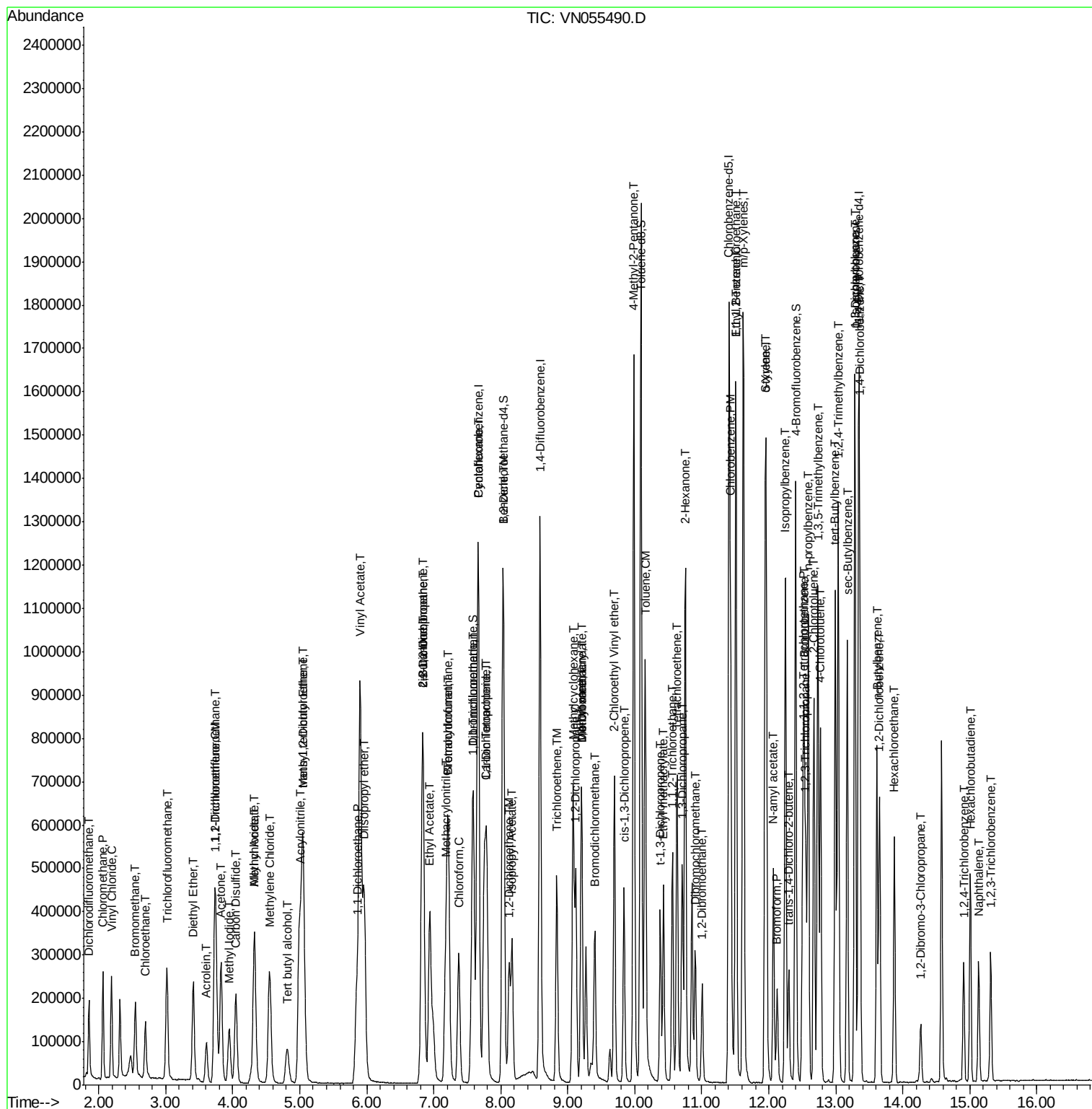
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050919\
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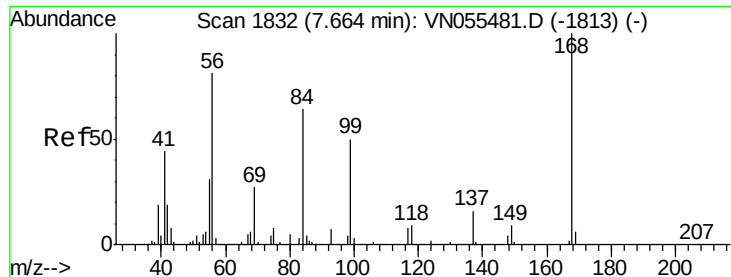
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

Tot Ion:168 Resp: 704096

Ion Ratio Lower Upper

168 100

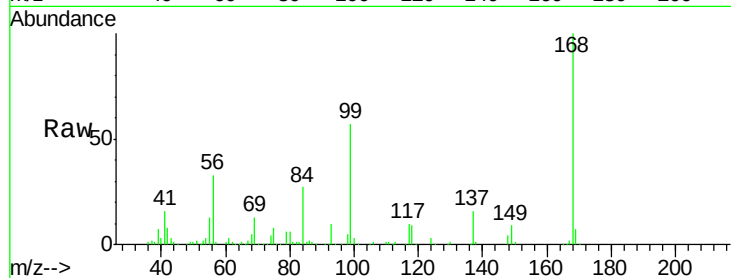
99 56.5 47.0 70.4

Manual Integrations

APPROVED

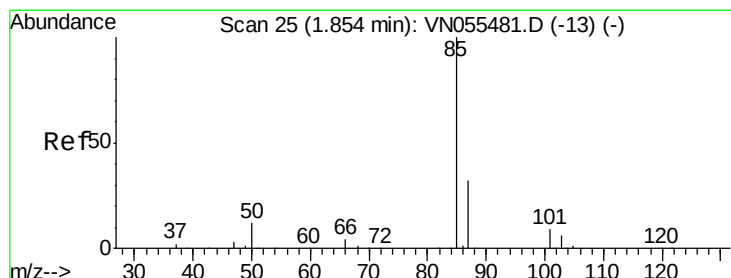
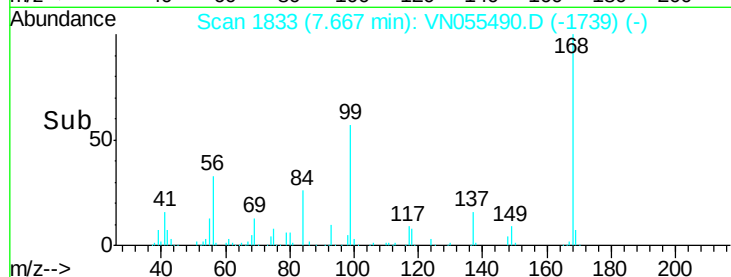
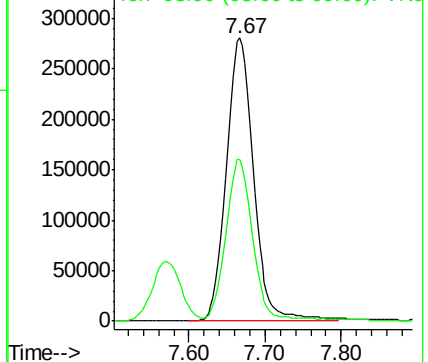
MMDadoda

5/10/2019 12:43:34 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.234 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055490.D

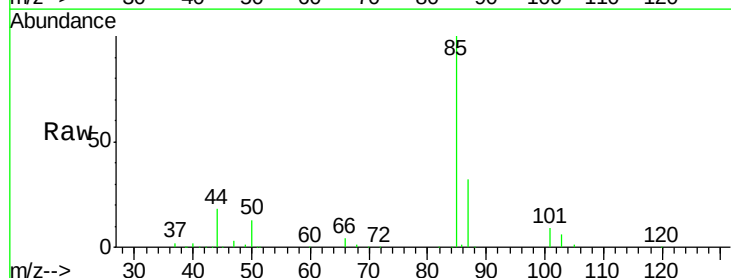
Acq: 9 May 2019 12:18

Tgt Ion: 85 Resp: 137878

Ion Ratio Lower Upper

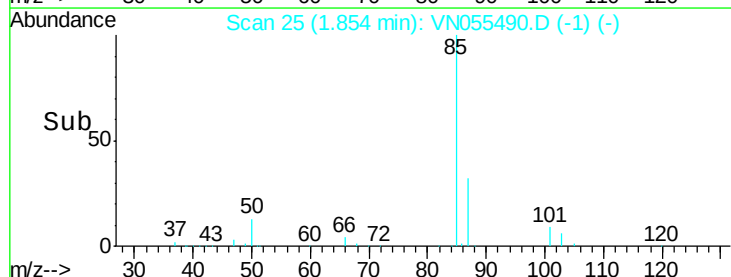
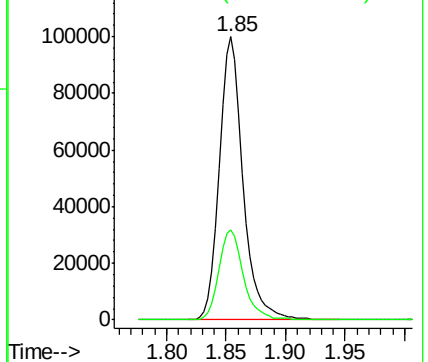
85 100

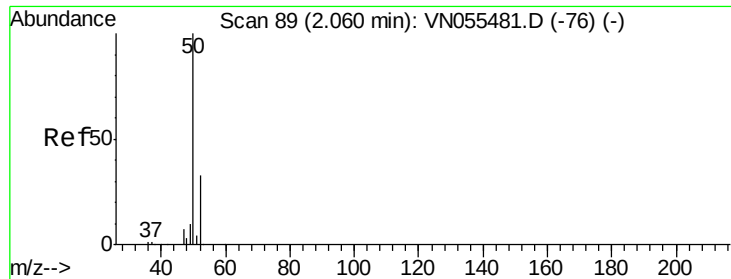
87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.487 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0509MBS01

Tot Ion: 50 Resp: 226949

Ion Ratio Lower Upper

50 100

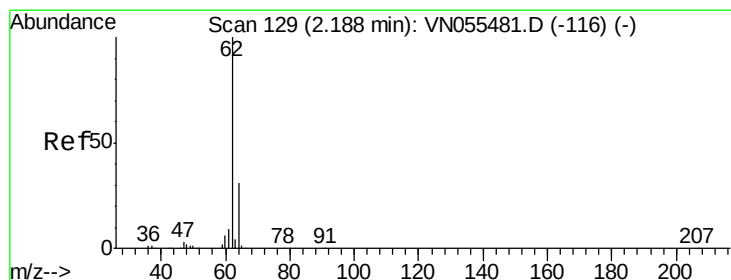
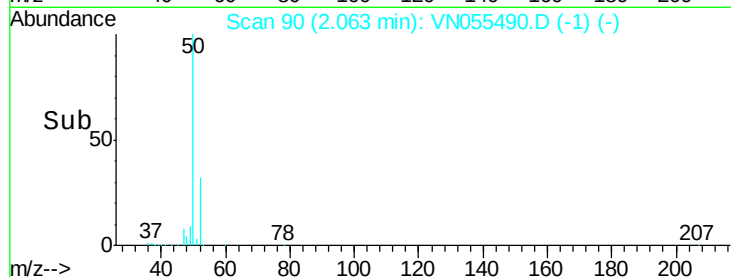
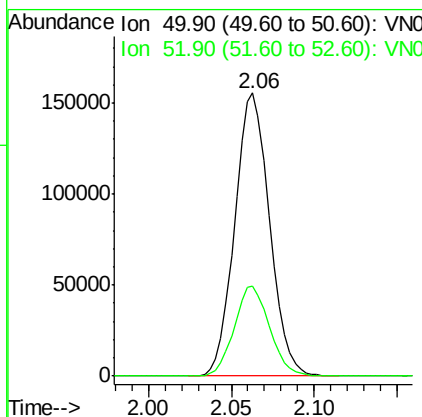
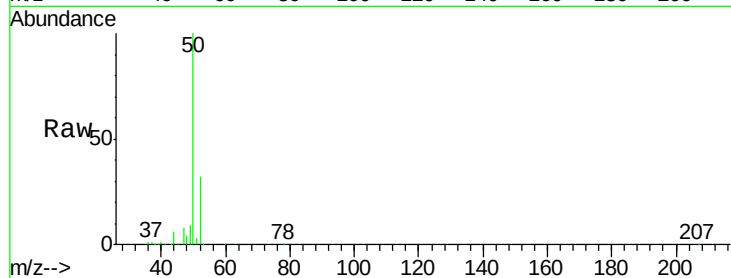
52 31.8 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.811 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055490.D

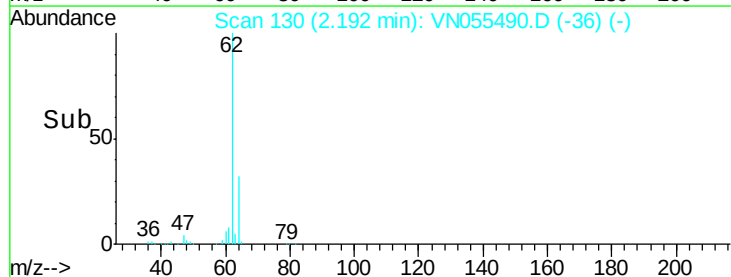
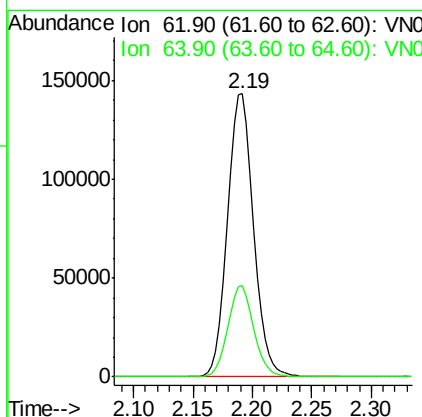
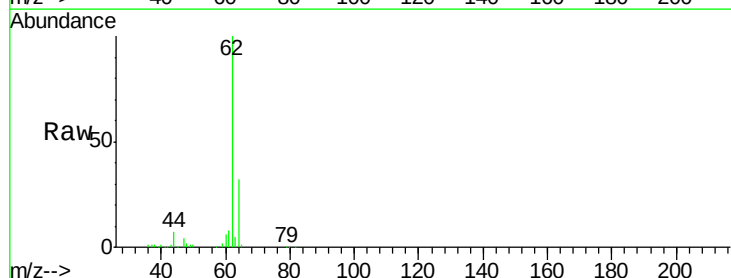
Acq: 9 May 2019 12:18

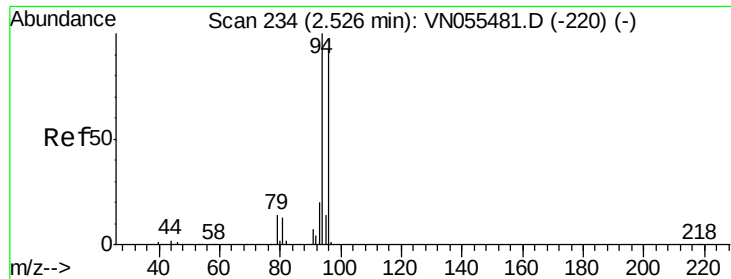
Tgt Ion: 62 Resp: 217793

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6





#5

Bromomethane

Concen: 20.974 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 126336

Ion Ratio Lower Upper

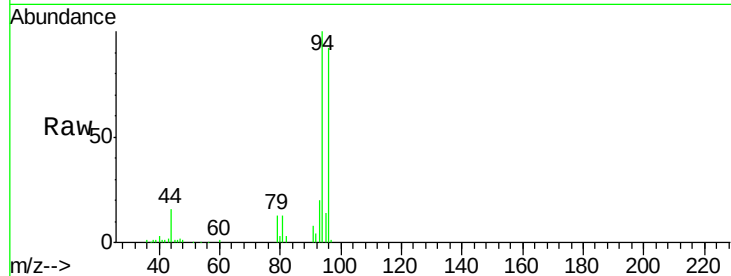
94 100

96 92.2 74.8 112.2

Manual Integrations
APPROVED

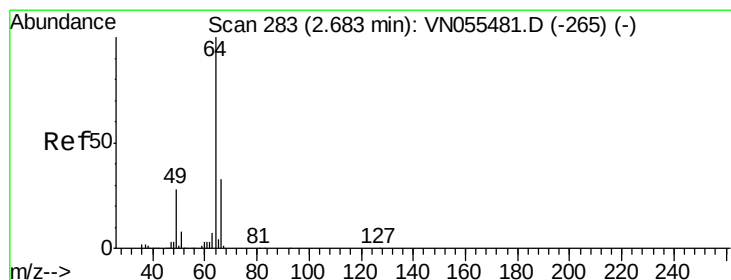
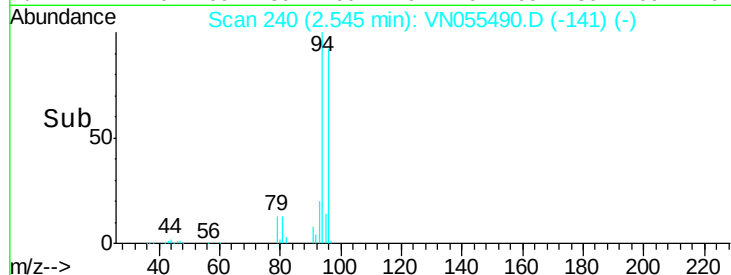
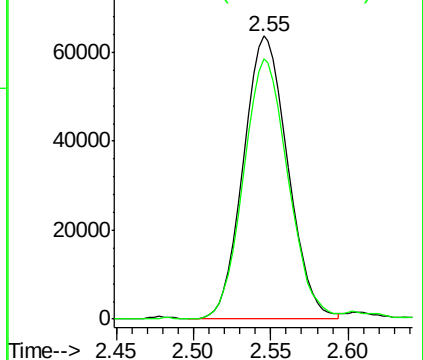
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.864 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN055490.D

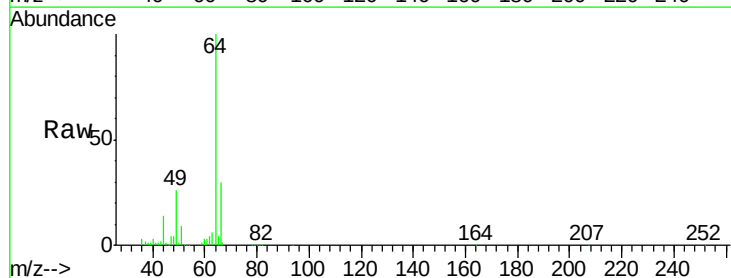
Acq: 9 May 2019 12:18

Tgt Ion: 64 Resp: 133599

Ion Ratio Lower Upper

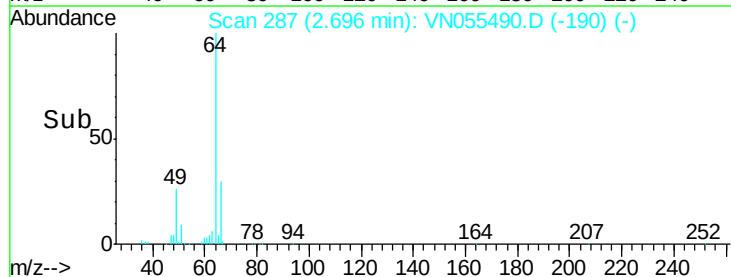
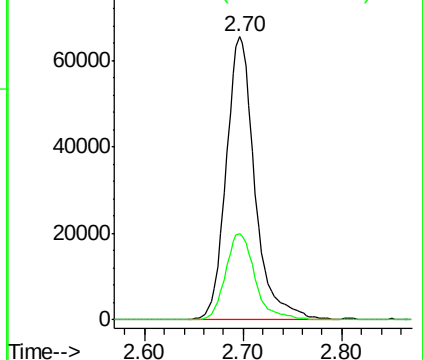
64 100

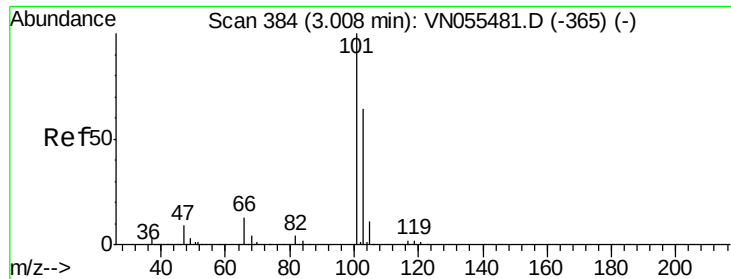
66 30.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

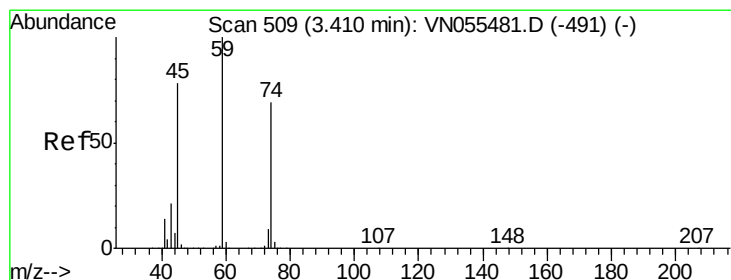
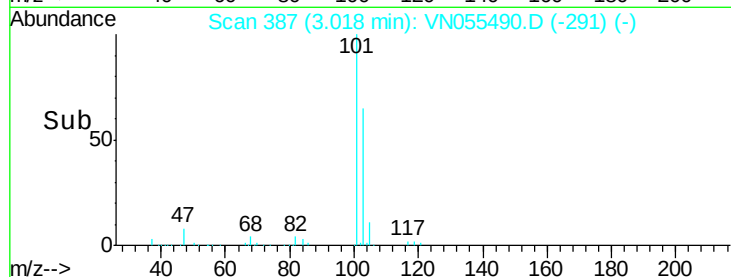
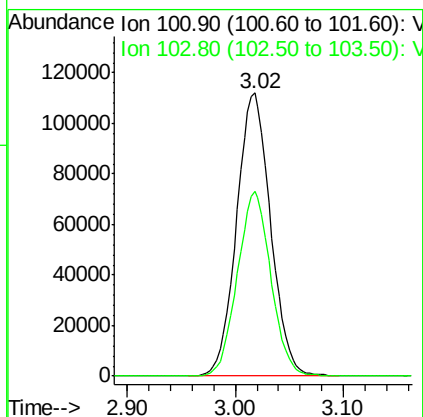
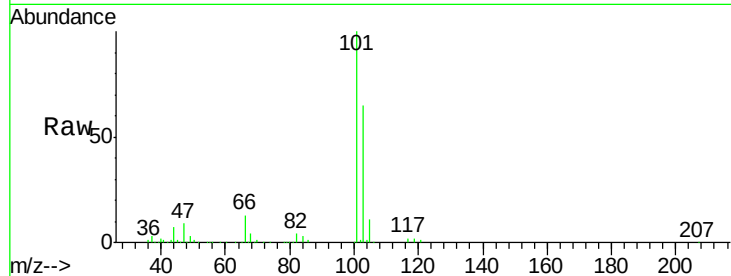
Trichlorofluoromethane
Concen: 20.371 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.01 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.2	76.8

Manual Integrations
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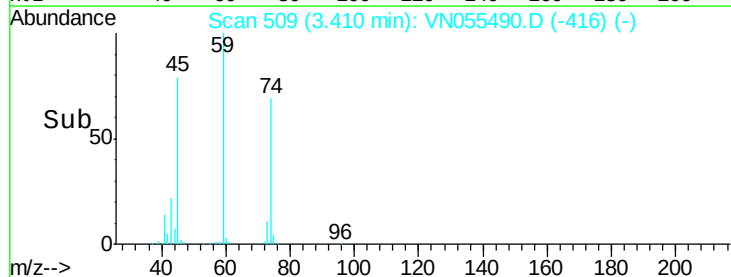
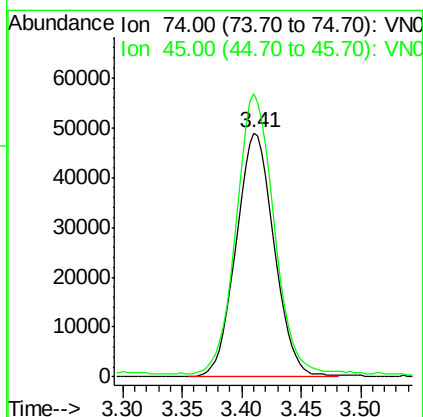
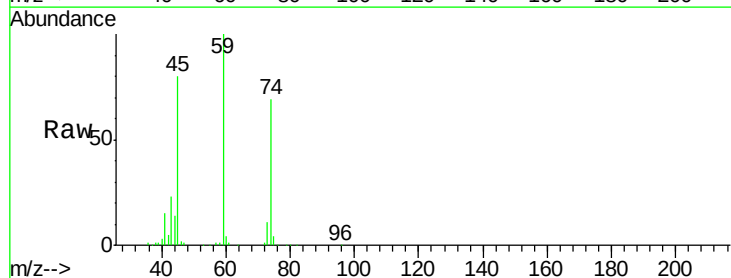
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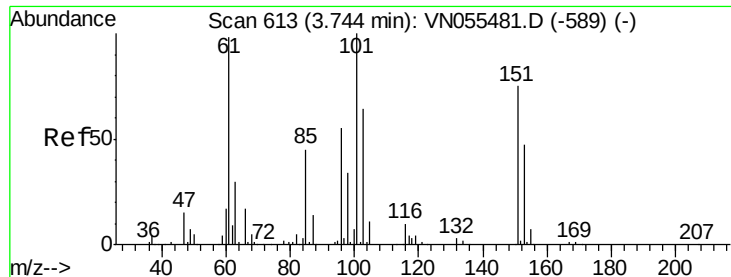


#8

Diethyl Ether
Concen: 19.967 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.1	58.1	174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.908 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

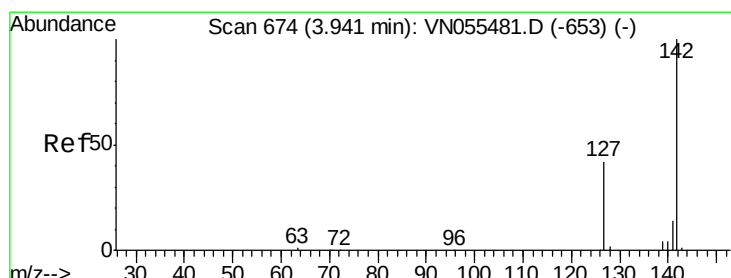
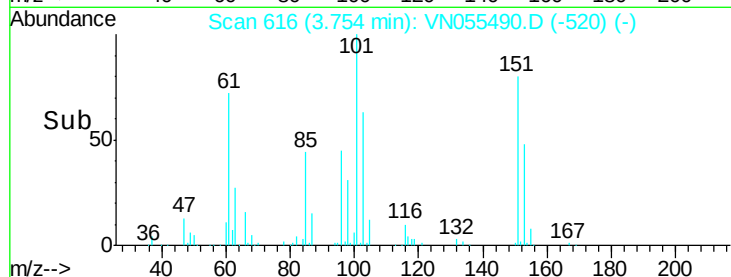
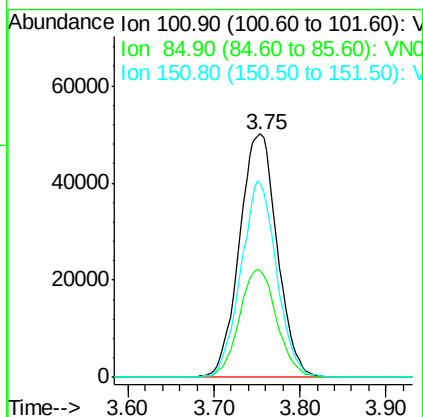
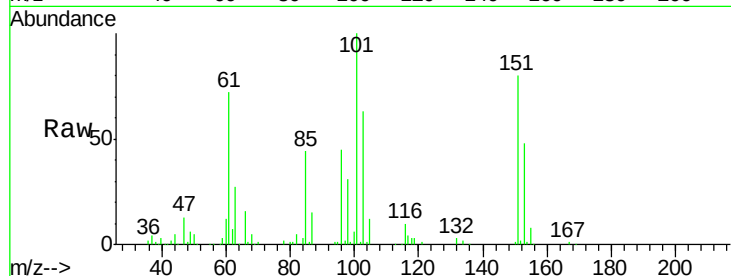
ClientSampleId :

VN0509MBS01

Tot Ion:	101	Resp:	152753
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.5	53.3
151	76.3	59.2	88.8

Manual Integrations
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5/10/2019 12:43:34 PM



#10

Methyl Iodide

Concen: 20.230 ug/l

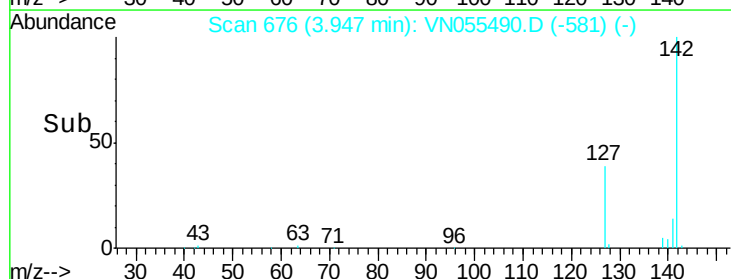
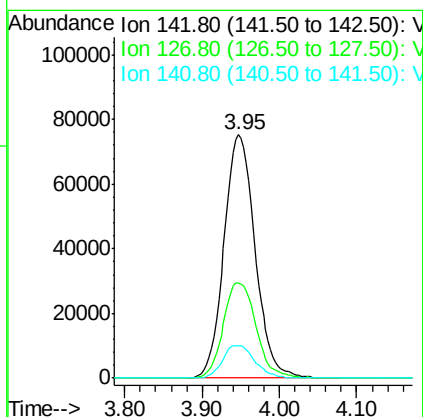
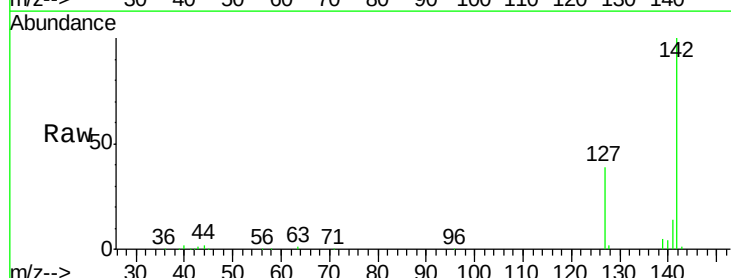
RT: 3.95 min Scan# 676

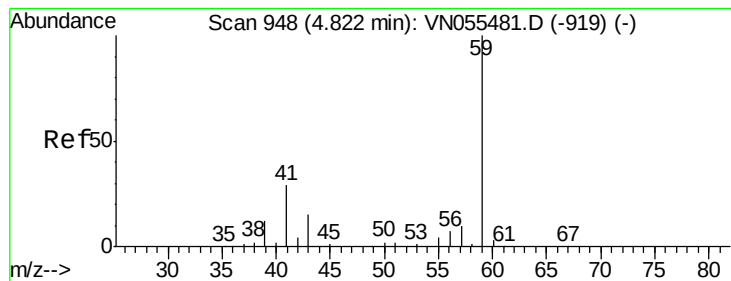
Delta R.T. 0.01 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Tgt Ion:	142	Resp:	209808
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.0	49.4
141	13.9	11.4	17.0





#11

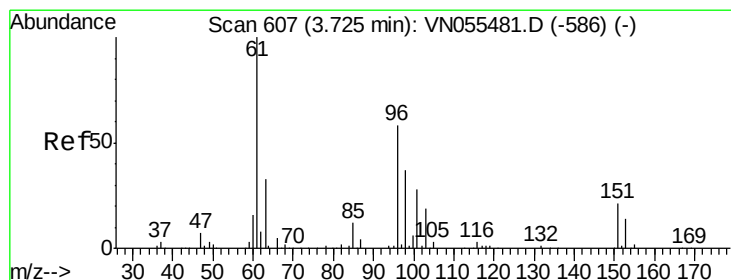
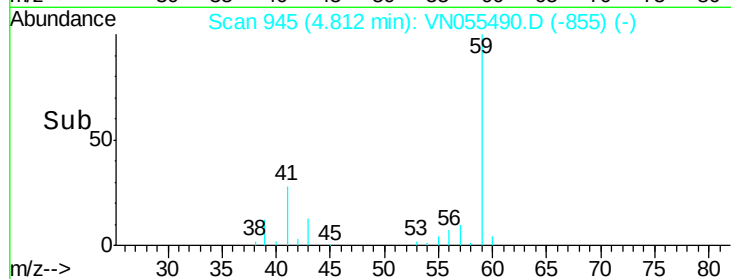
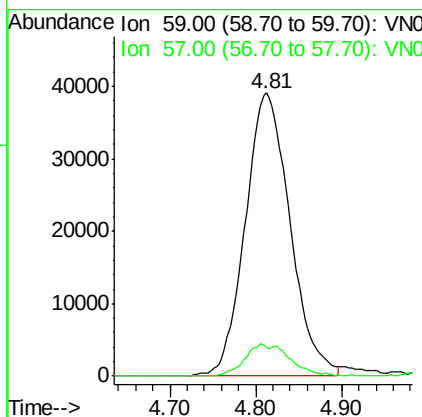
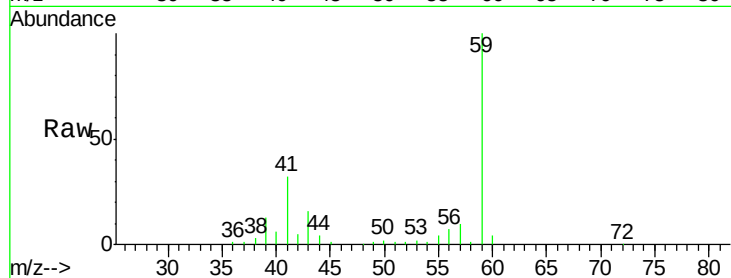
Tert butyl alcohol
Concen: 90.526 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.01 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0509MBS01

Tot Ion: 59 Resp: 141700
Ion Ratio Lower Upper
59 100
57 5.9 8.0 12.0#

Manual Integrations
APPROVED

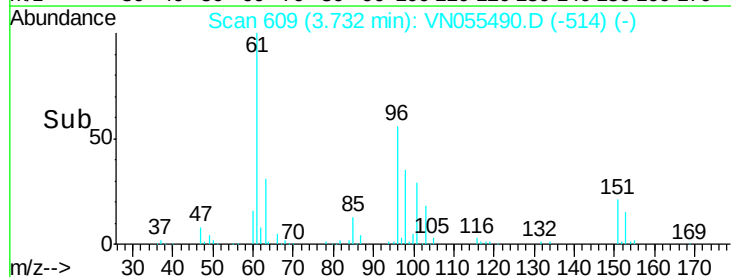
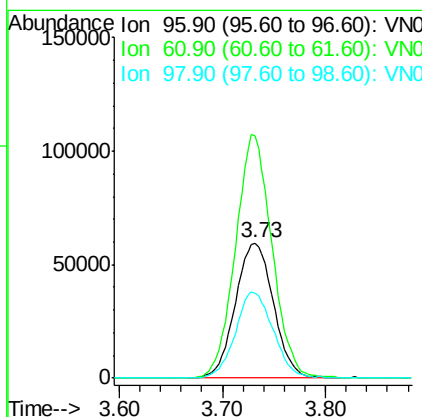
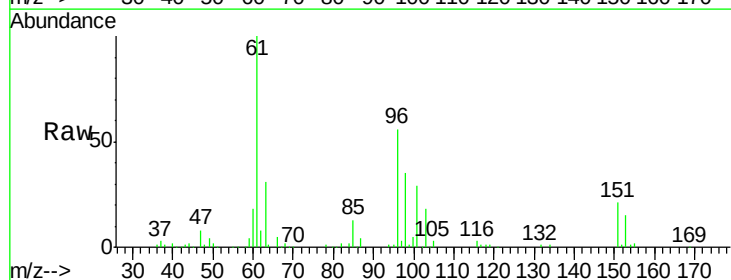
MMDadoda
5/10/2019 12:43:34 PM

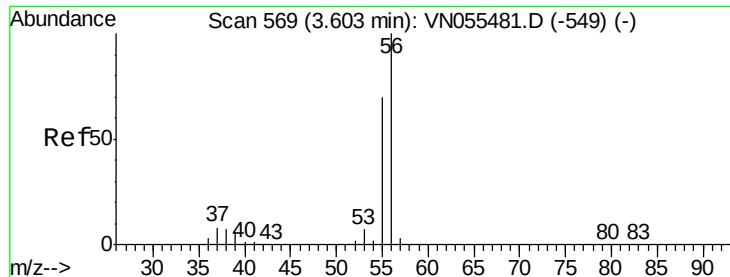


#12

1,1-Dichloroethene
Concen: 19.911 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.01 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 96 Resp: 153225
Ion Ratio Lower Upper
96 100
61 179.6 138.7 208.1
98 63.2 50.6 76.0





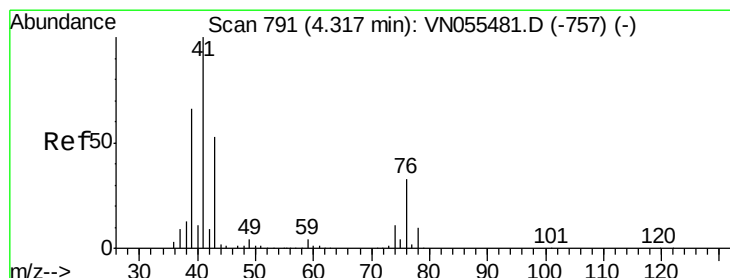
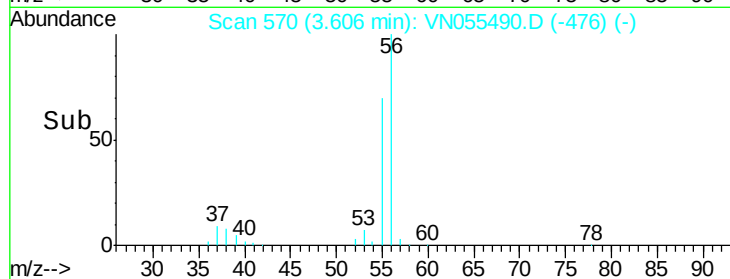
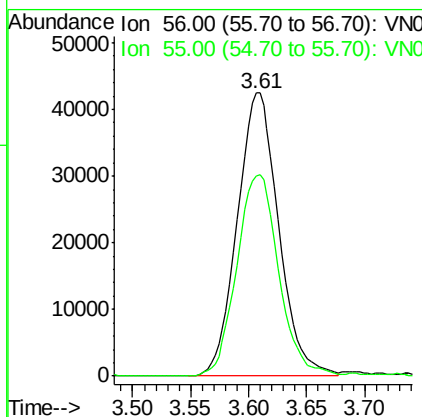
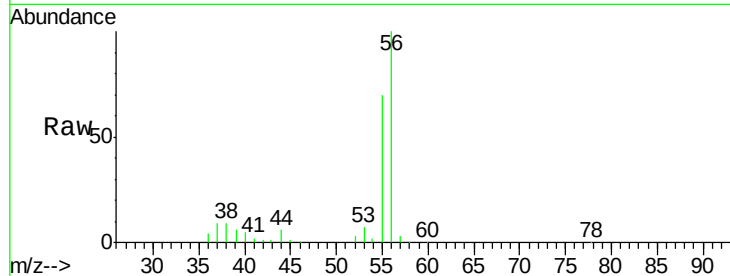
#13
Acrolein
Concen: 101.175 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion: 56 Resp: 105547
Ion Ratio Lower Upper
56 100
55 72.0 57.7 86.5

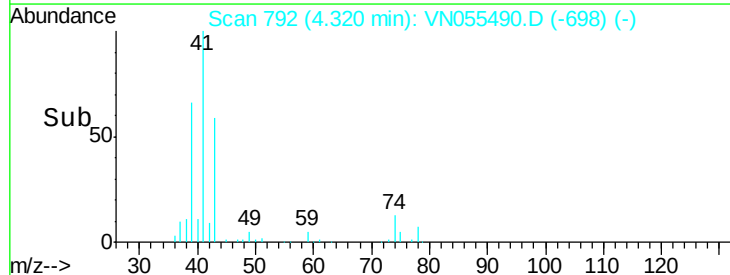
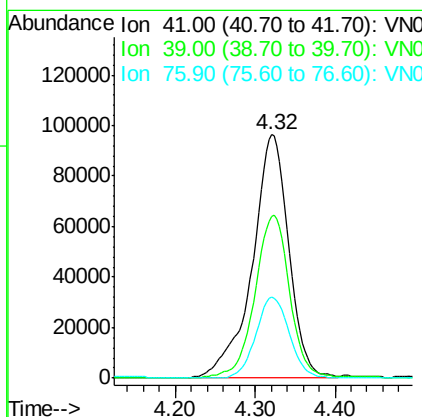
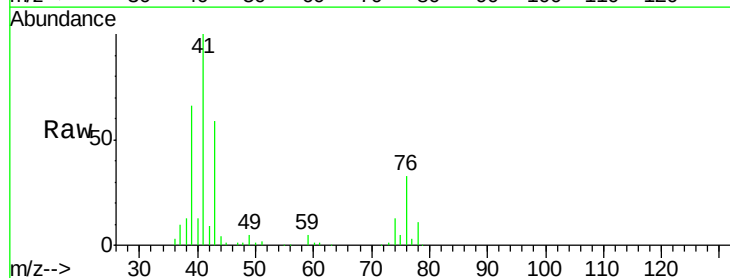
Manual Integrations
APPROVED

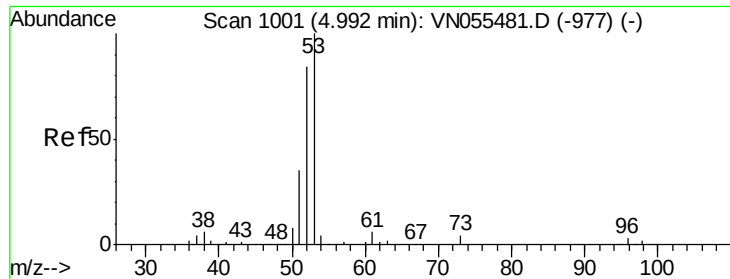
MMDadoda
5/10/2019 12:43:34 PM



#14
Allyl chloride
Concen: 19.272 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 41 Resp: 303790
Ion Ratio Lower Upper
41 100
39 63.6 49.8 74.8
76 30.5 23.5 35.3





#15

Acrylonitrile

Concen: 97.995 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

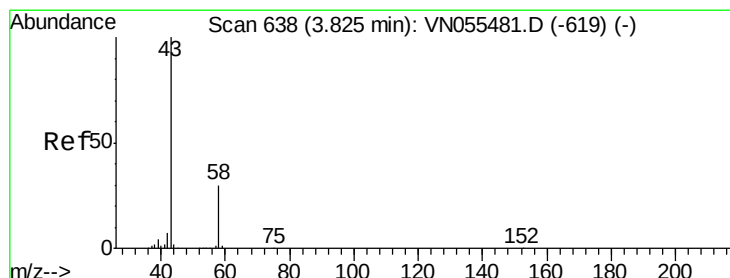
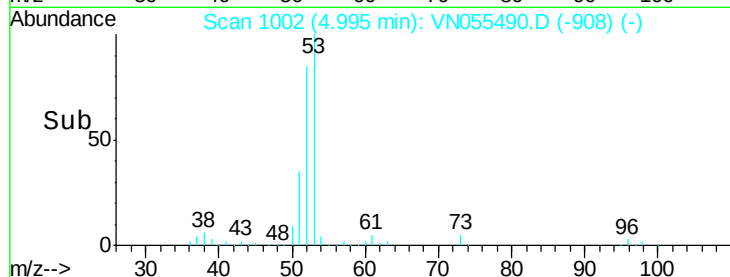
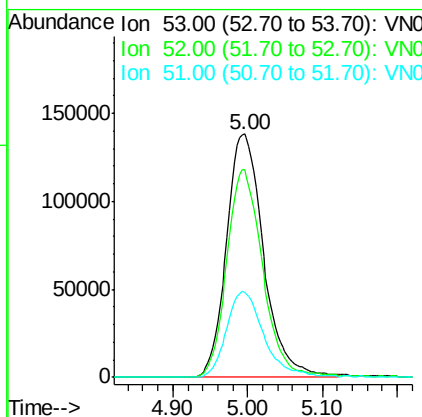
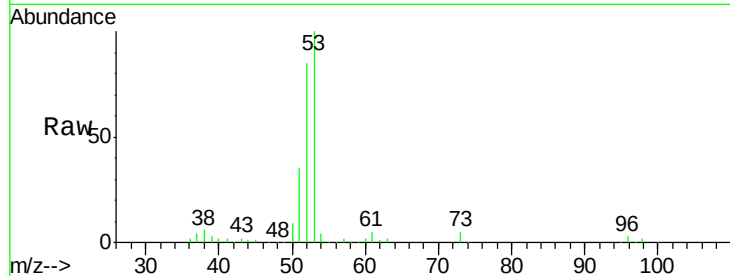
ClientSampled :

VN0509MBS01

Tot Ion:	53	Resp:	474971
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.1	99.1
51	35.8	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
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#16

Acetone

Concen: 92.835 ug/l

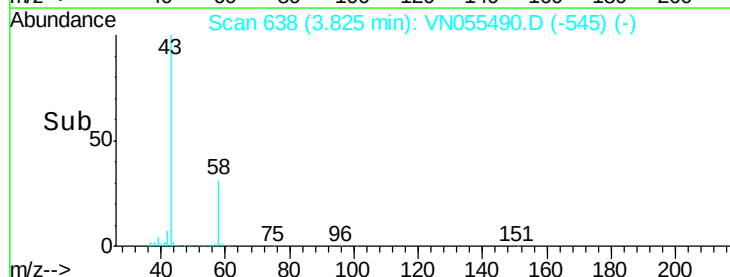
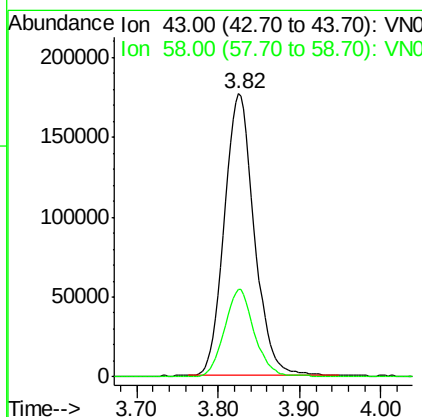
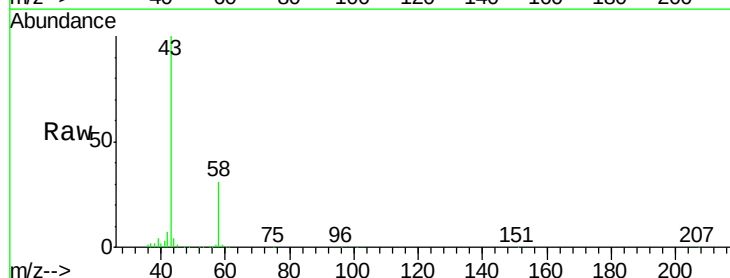
RT: 3.82 min Scan# 638

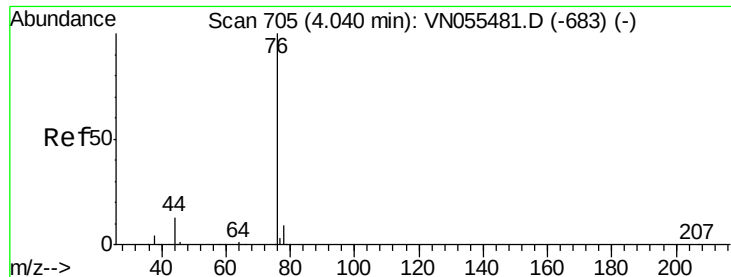
Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Tgt Ion:	43	Resp:	455705
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.2	36.2





#17

Carbon Disulfide

Concen: 19.513 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

Tot Ion: 76 Resp: 409821

Ion Ratio Lower Upper

76 100

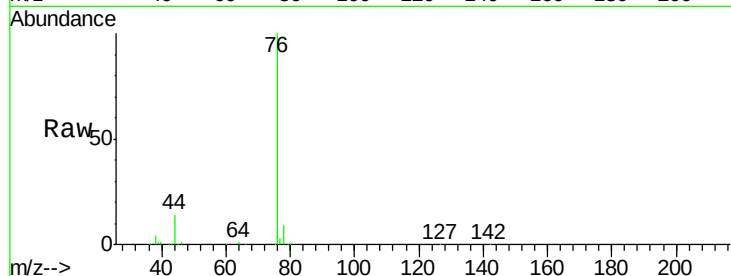
78 8.7 7.4 11.0

Manual Integrations

APPROVED

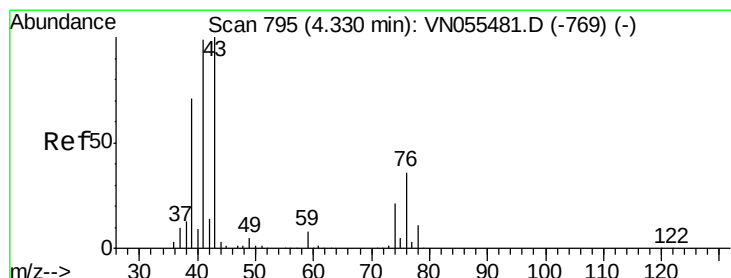
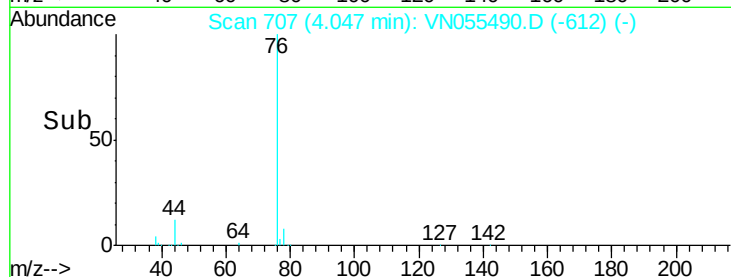
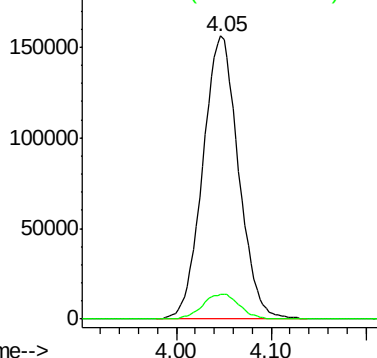
MMDadoda

5/10/2019 12:43:34 PM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 18.883 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055490.D

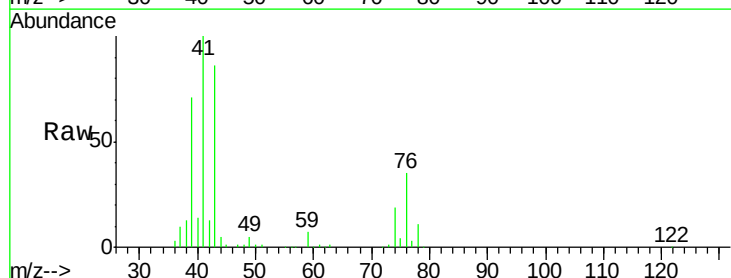
Acq: 9 May 2019 12:18

Tgt Ion: 43 Resp: 201606

Ion Ratio Lower Upper

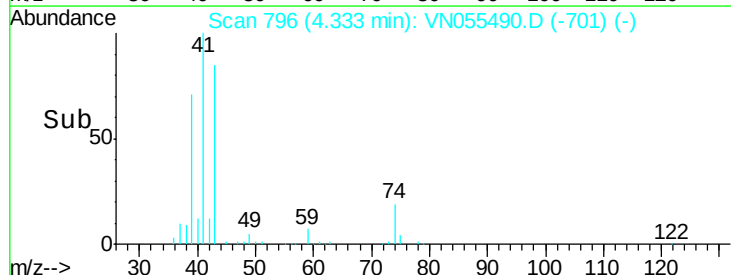
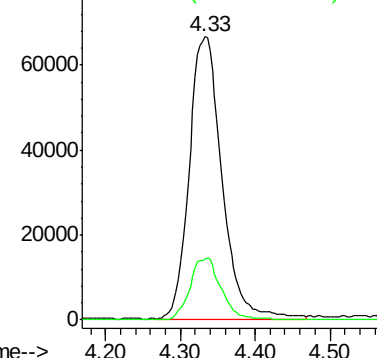
43 100

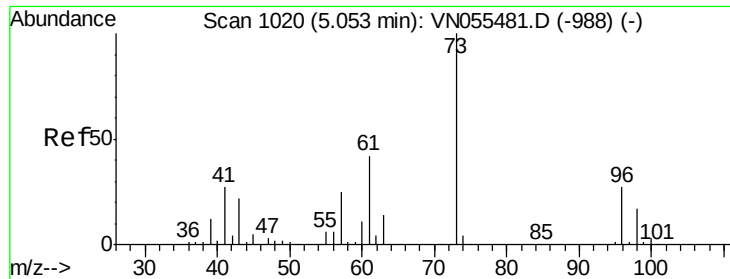
74 20.9 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





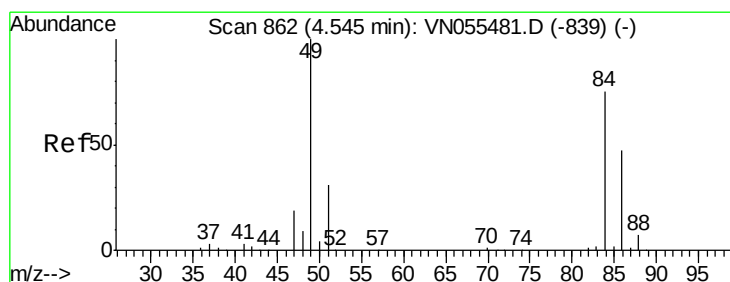
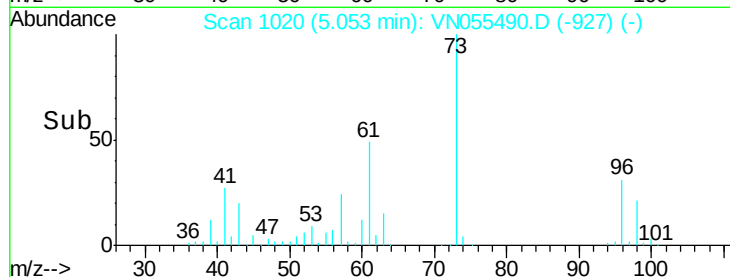
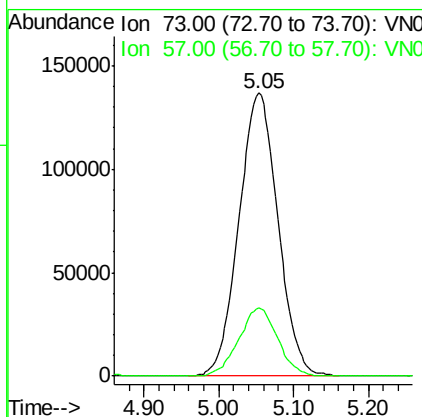
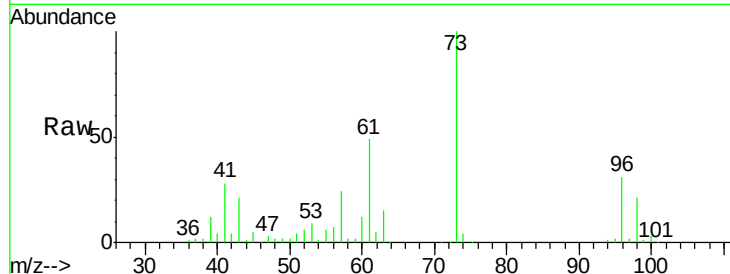
#19
Methyl tert-butyl Ether
Concen: 19.413 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0509MBS01

Tot Ion: 73 Resp: 496397
Ion Ratio Lower Upper
73 100
57 24.0 20.0 30.0

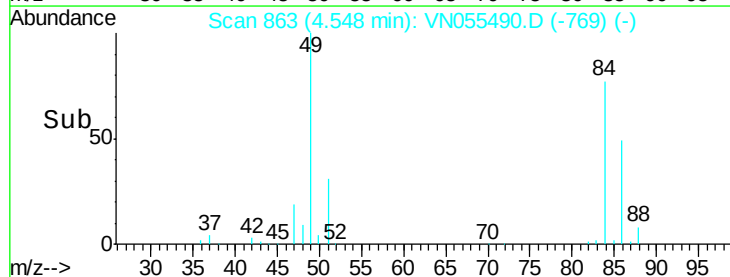
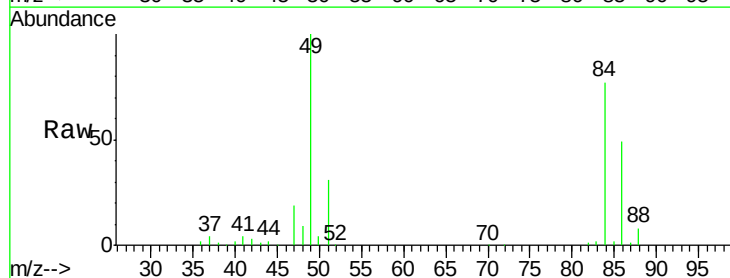
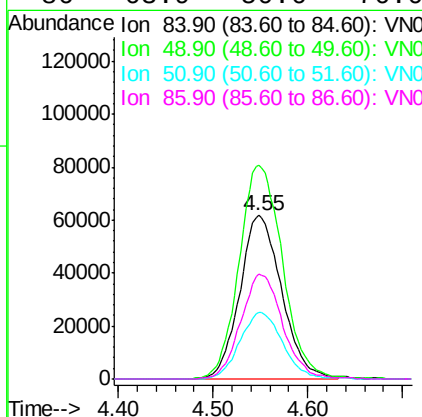
Manual Integrations
APPROVED

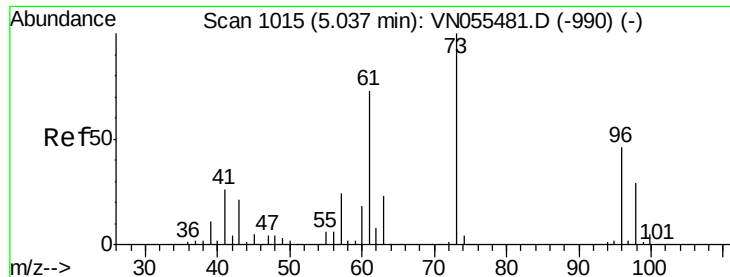
MMDadoda
5/10/2019 12:43:34 PM



#20
Methylene Chloride
Concen: 18.938 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 84 Resp: 190087
Ion Ratio Lower Upper
84 100
49 130.6 107.0 160.6
51 41.1 33.0 49.4
86 63.9 50.6 76.0





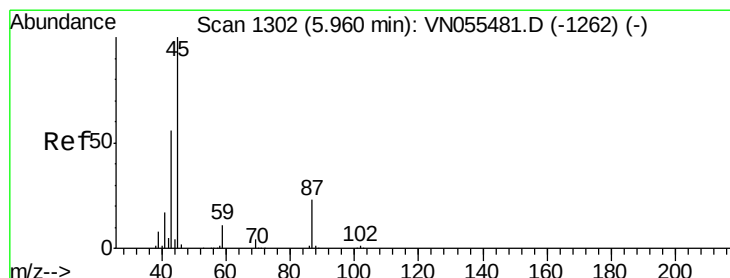
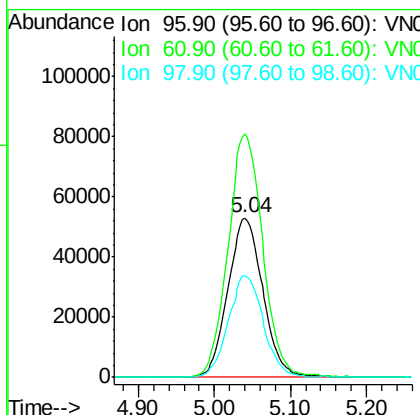
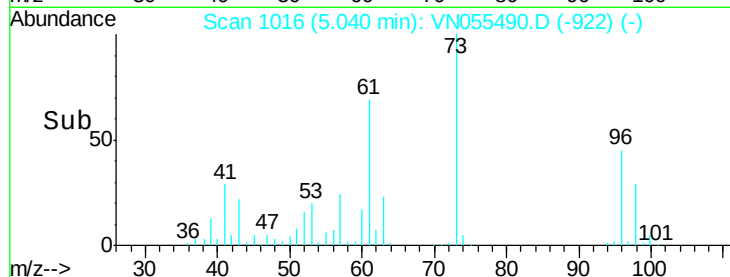
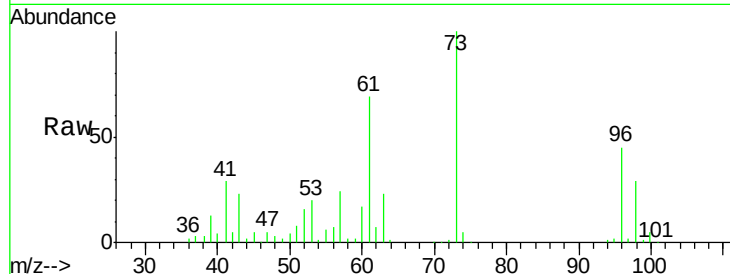
#21
trans-1,2-Dichloroethene
Concen: 20.346 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	127.4	191.0
98	63.6	51.6	77.4

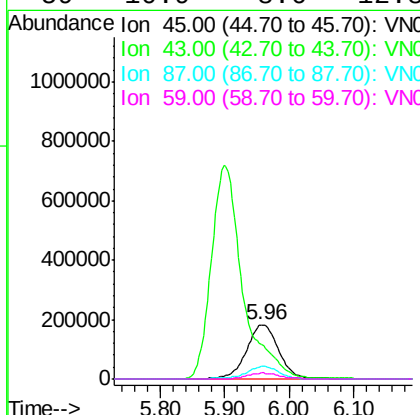
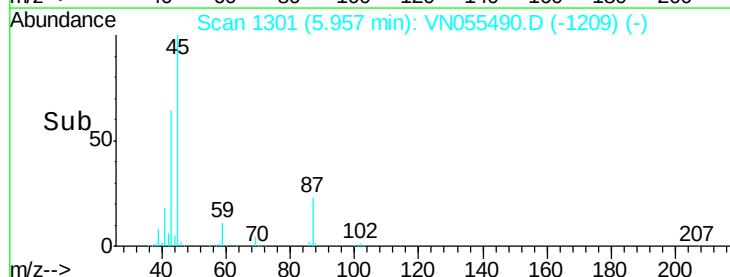
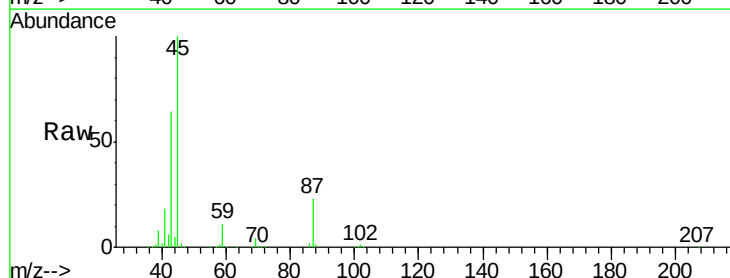
Manual Integrations
APPROVED

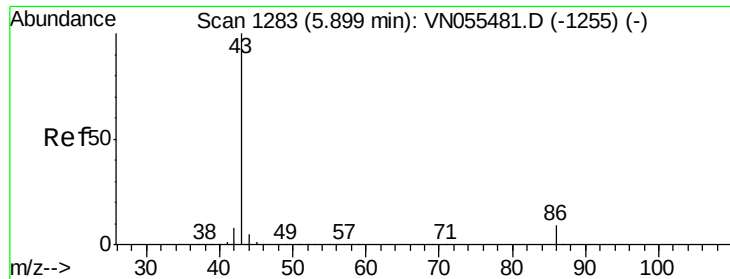
MMDadoda
5/10/2019 12:43:34 PM



#22
Diisopropyl ether
Concen: 19.973 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.8	44.6	66.8
87	22.4	18.6	28.0
59	10.9	8.6	12.8





#23

Vinyl Acetate

Concen: 98.052 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

Tot Ion: 43 Resp: 2429074

Ion Ratio Lower Upper

43 100

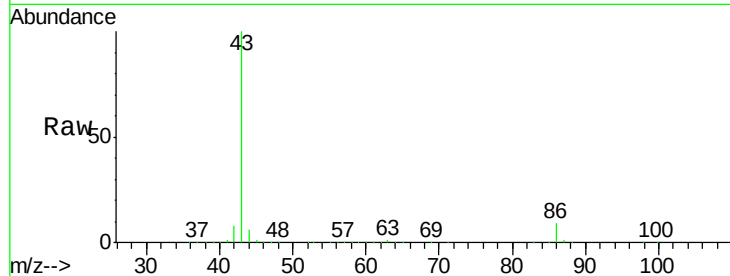
86 8.7 7.1 10.7

Manual Integrations

APPROVED

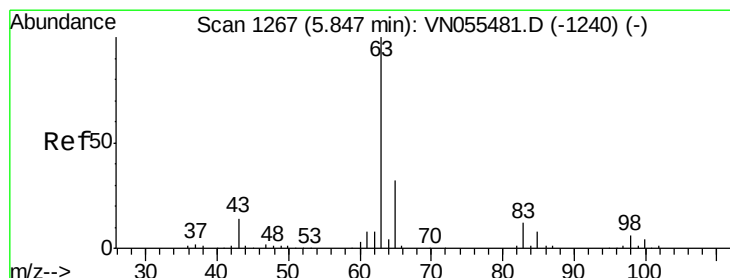
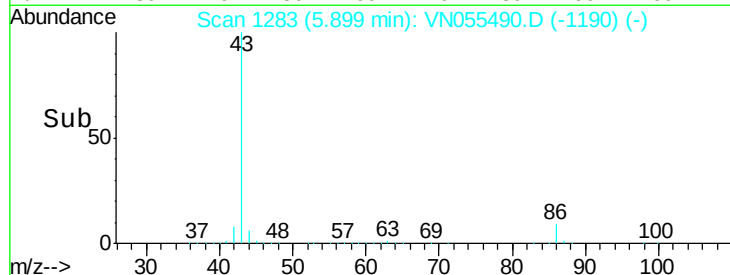
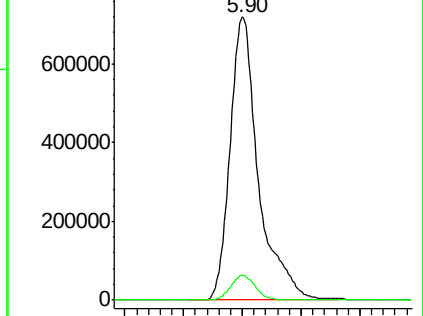
MMDadoda

5/10/2019 12:43:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.680 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

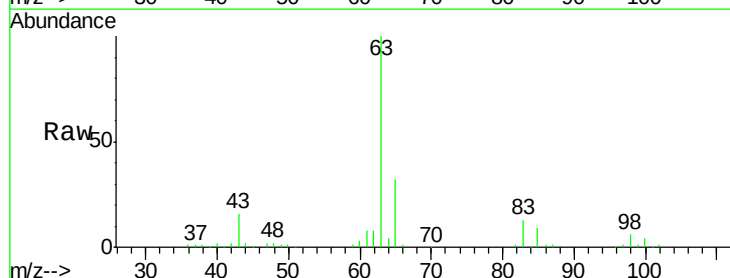
Tgt Ion: 63 Resp: 340319

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

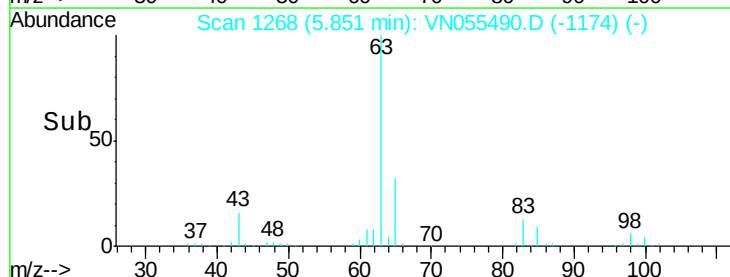
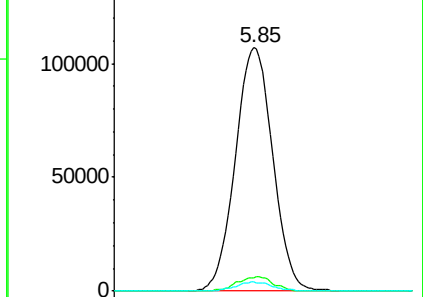
100 3.8 1.9 5.7

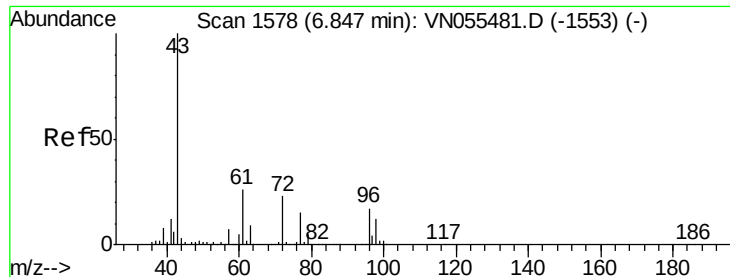


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 95.489 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0509MBS01

Tot Ion: 43 Resp: 647495

Ion Ratio Lower Upper

43 100

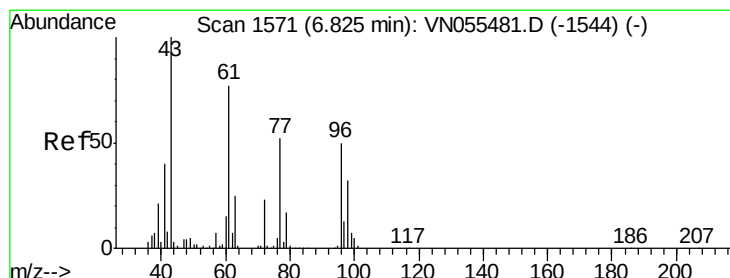
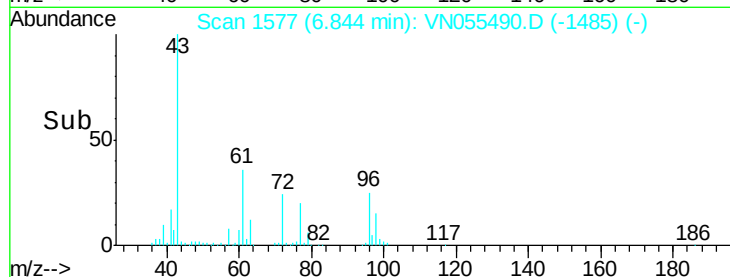
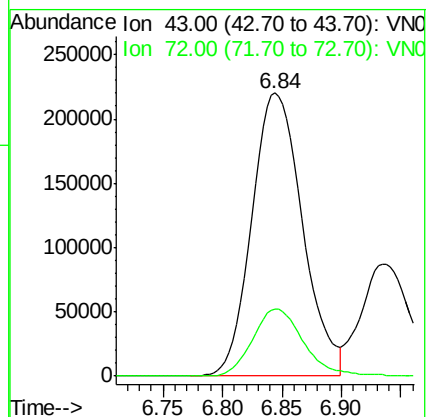
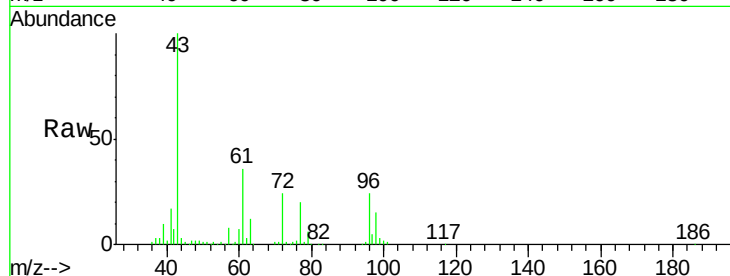
72 23.6 18.6 27.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.805 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055490.D

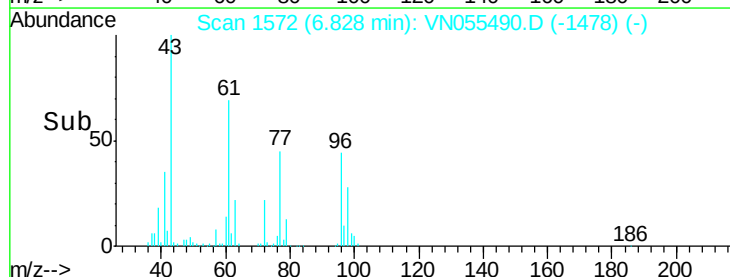
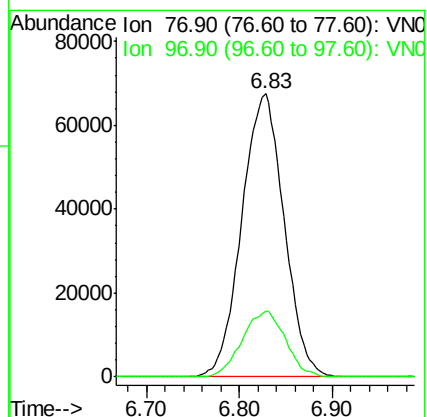
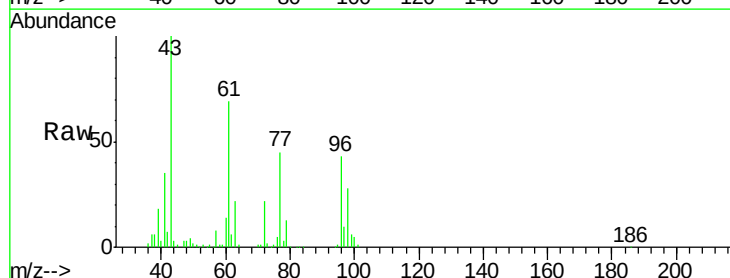
Acq: 9 May 2019 12:18

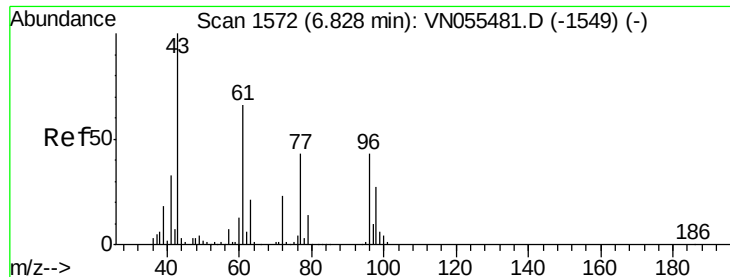
Tgt Ion: 77 Resp: 213493

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 20.183 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

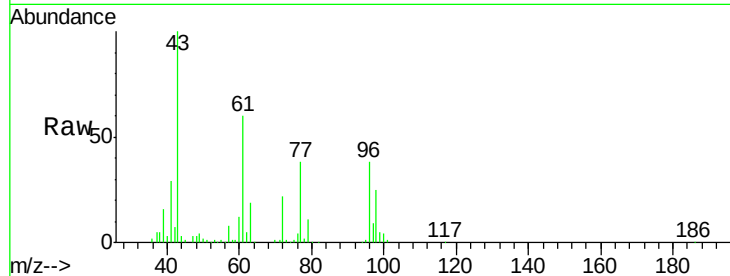
ClientSampled :

VN0509MBS01

Tot Ion:	96	Resp:	194615
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	310.8
98	63.0	0.0	129.4

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VN055490.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN055490.D (-1479) (-)

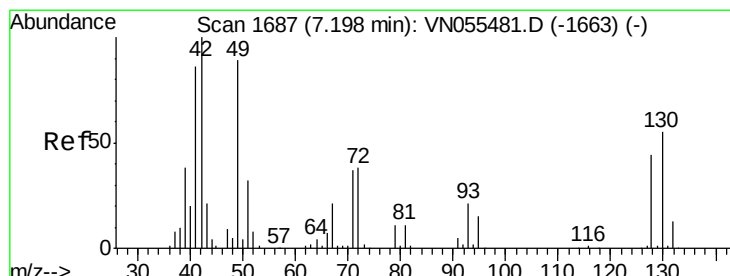
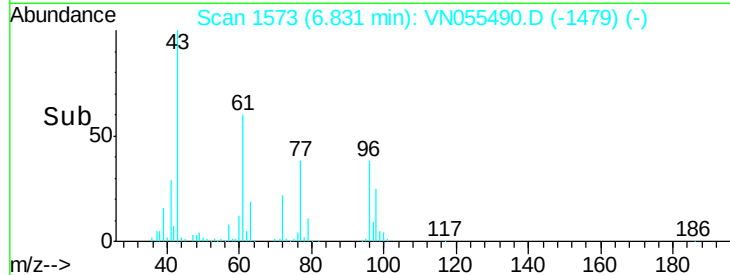
Ion 97.90 (97.60 to 98.60): VN055490.D (-1479) (-)

6.83

100000

50000

Time--> 6.70 6.80 6.90 7.00



#28

Bromochloromethane

Concen: 19.005 ug/l

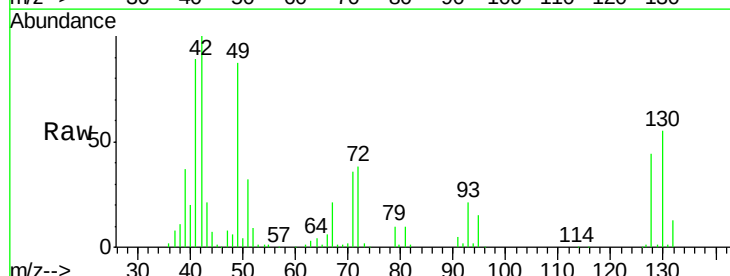
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Tgt Ion:	49	Resp:	170668
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	64.8	49.5	74.3



Abundance Ion 48.90 (48.60 to 49.60): VN055490.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN055490.D (-1594) (-)

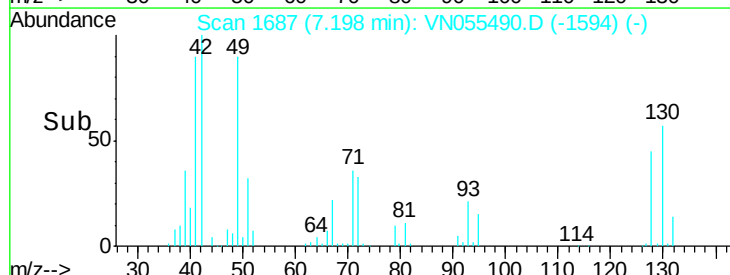
Ion 129.80 (129.50 to 130.50): VN055490.D (-1594) (-)

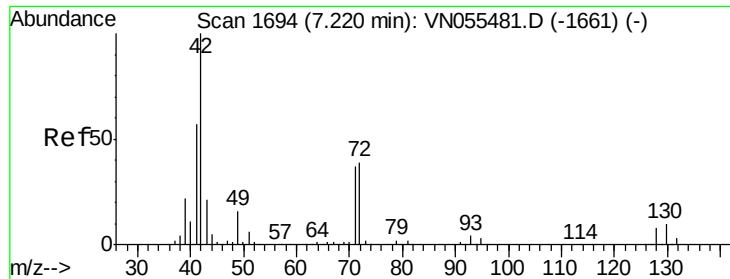
7.20

80000

60000

Time--> 7.10 7.20 7.30





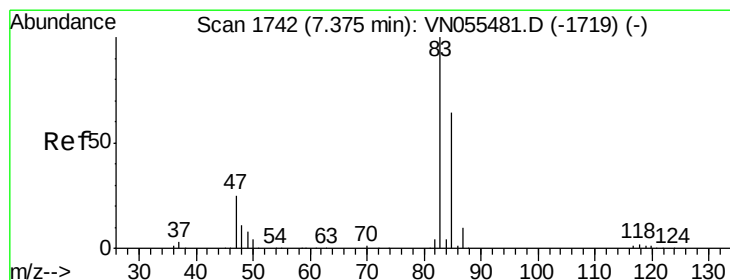
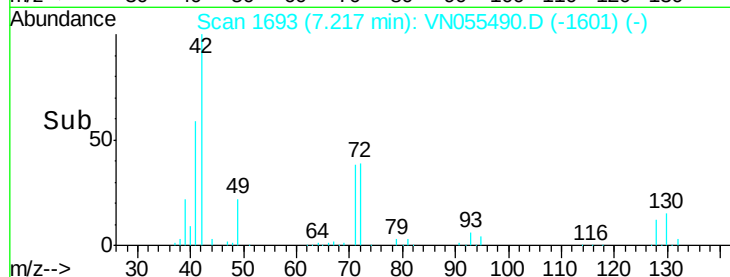
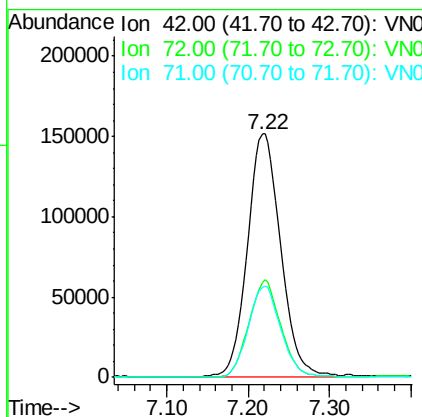
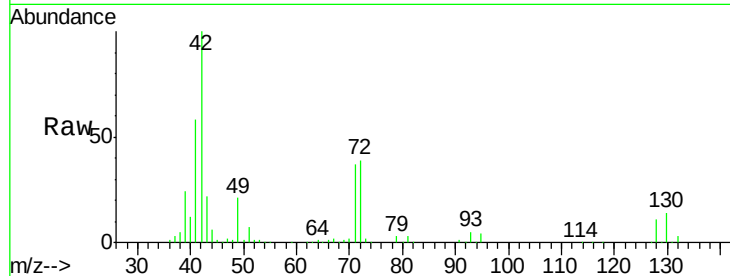
#29
Tetrahydrofuran
Concen: 94.390 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0509MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	31.0	46.6
71	36.9	29.4	44.2

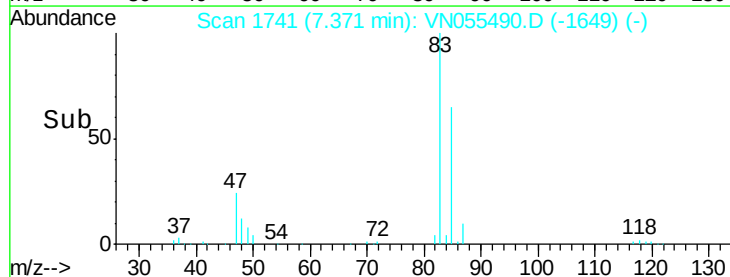
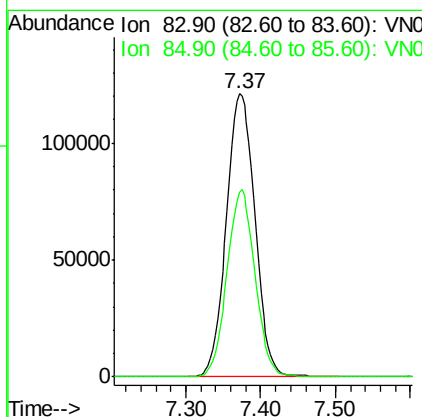
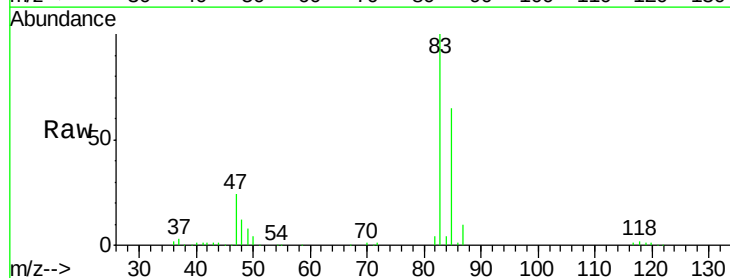
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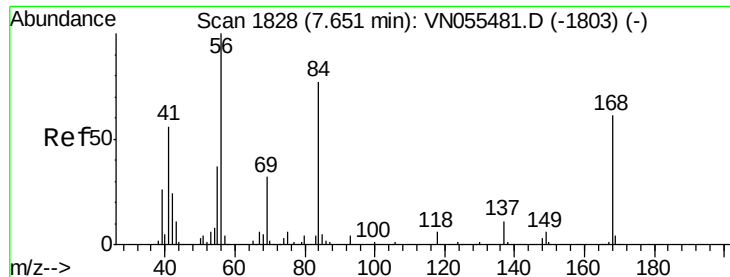
MMDadoda
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#30
Chloroform
Concen: 20.130 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.3	76.9





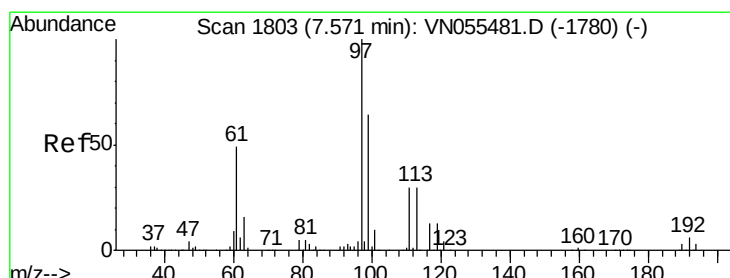
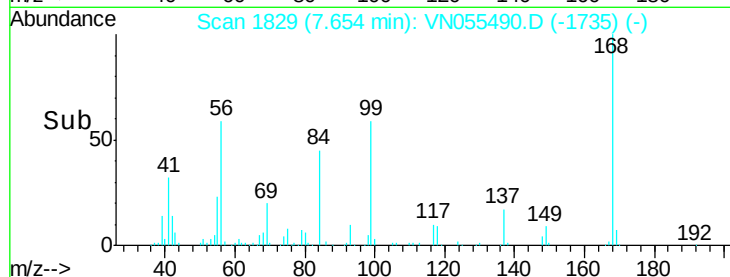
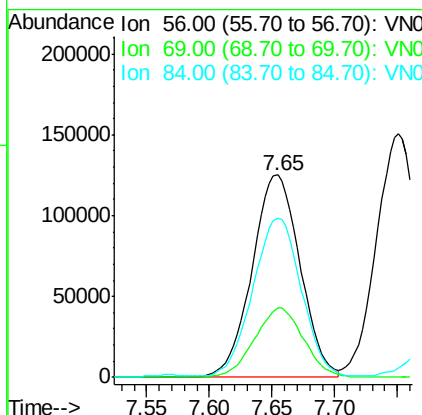
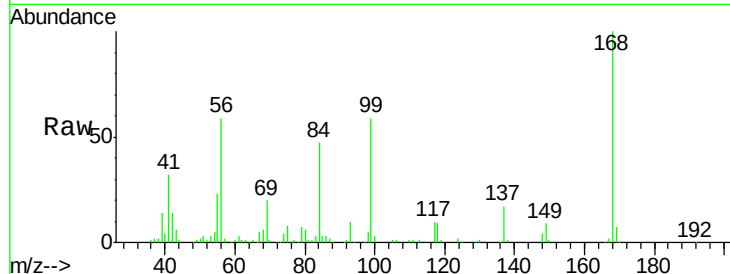
#31
Cyclohexane
Concen: 19.492 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	26.0	39.0
84	78.0	61.9	92.9

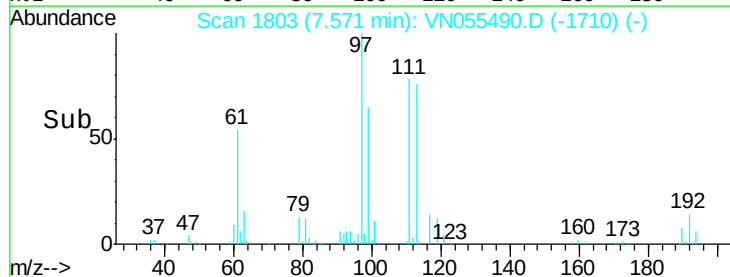
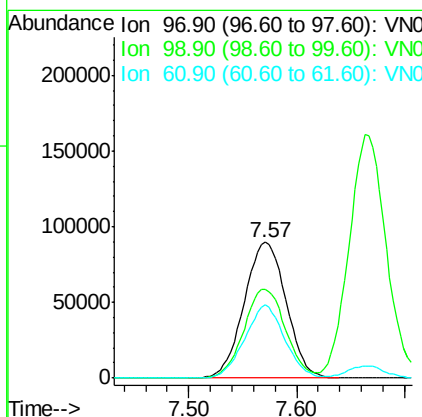
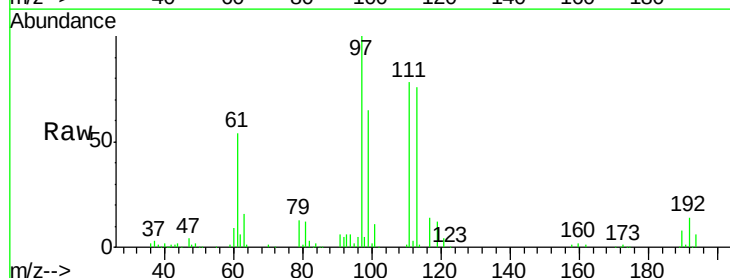
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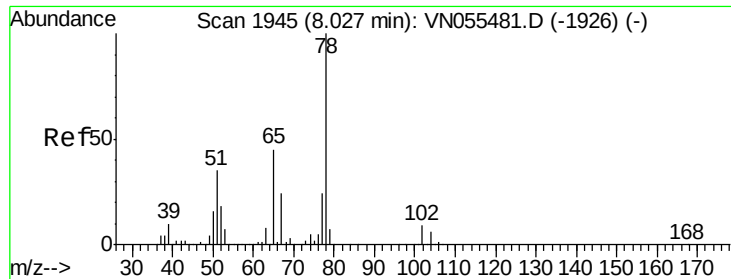
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.936 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.2	76.8
61	51.3	39.2	58.8





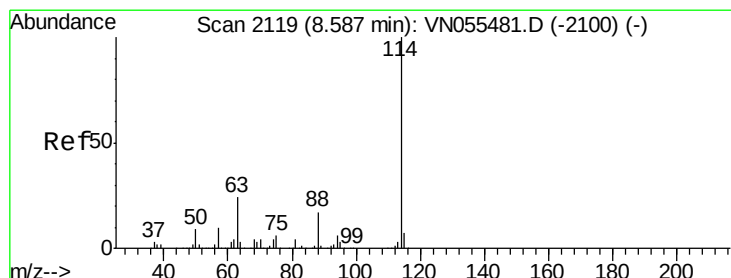
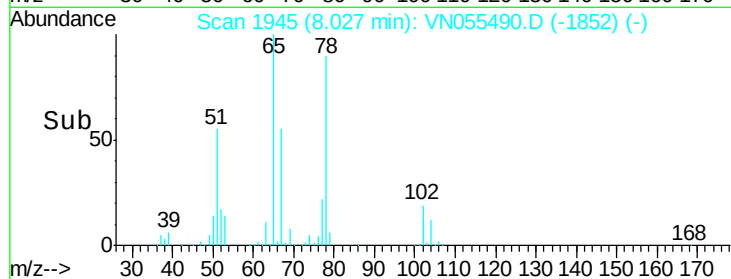
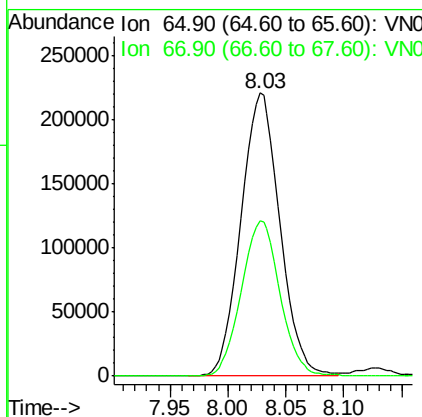
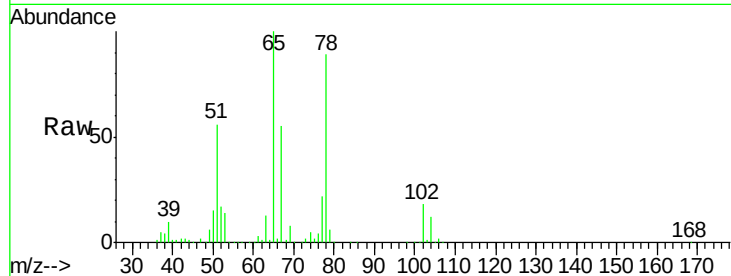
#33
 1,2-Dichloroethane-d4
 Concen: 48.730 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	109.6	

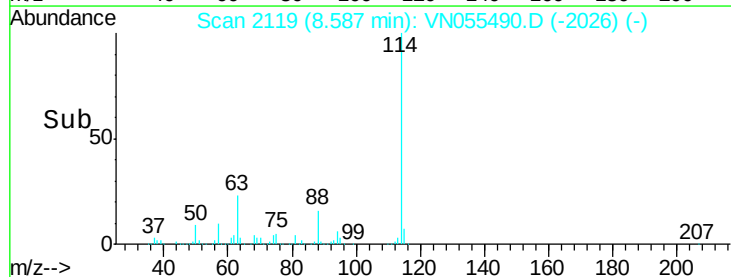
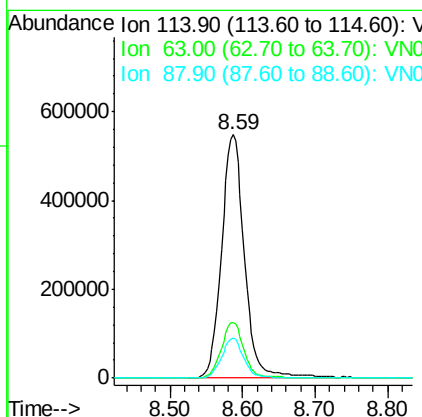
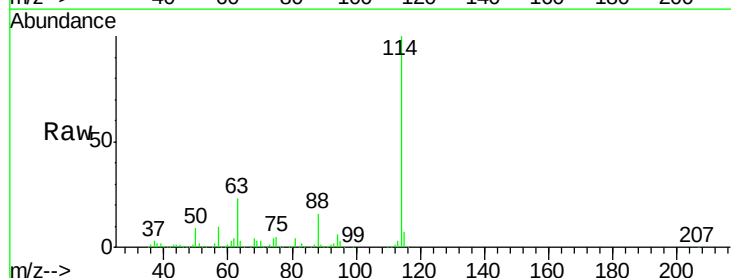
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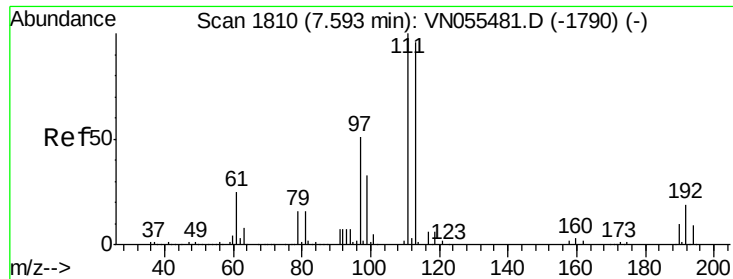
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.0	0.0	47.4	
88	16.4	0.0	34.0	





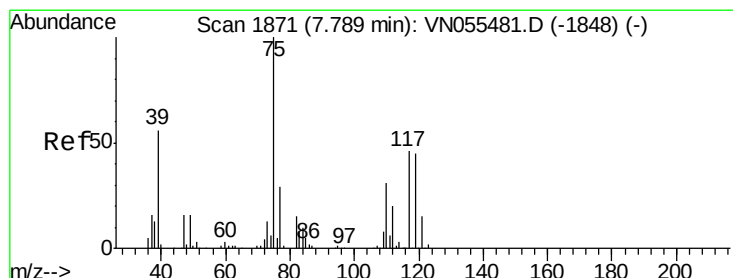
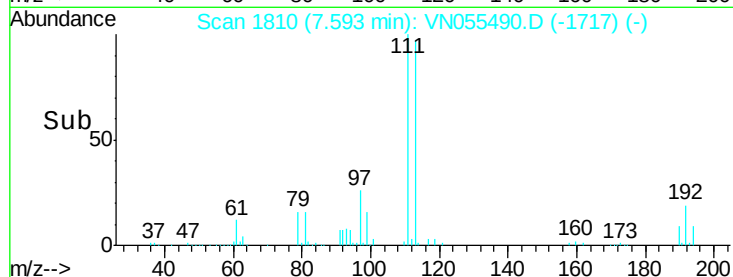
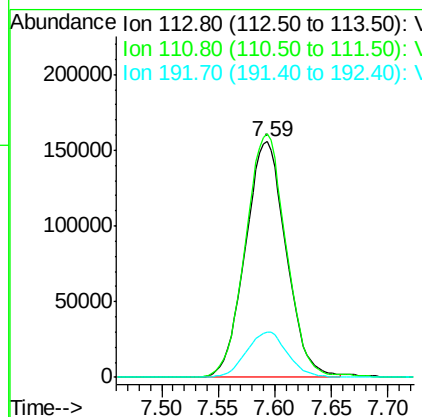
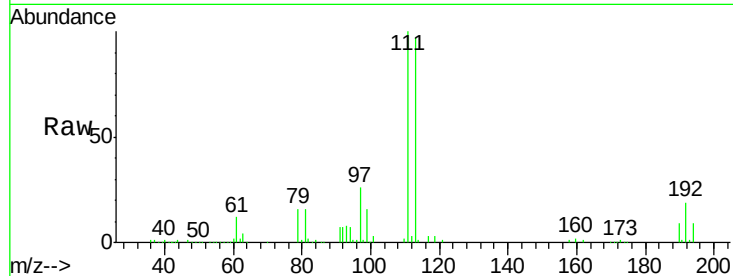
#35
 Dibromofluoromethane
 Concen: 50.406 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.7	82.9	124.3	
192	19.3	15.6	23.4	

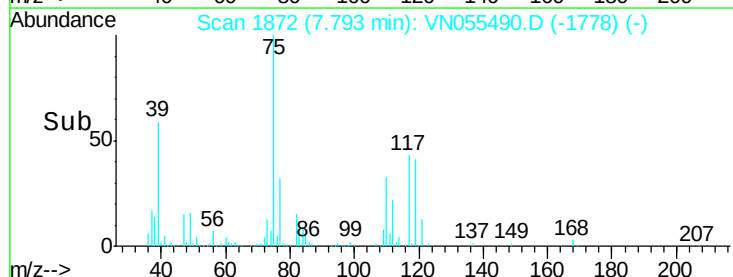
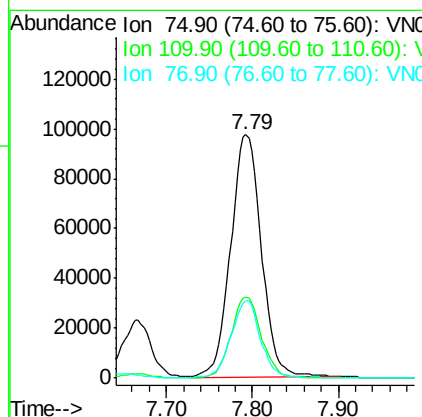
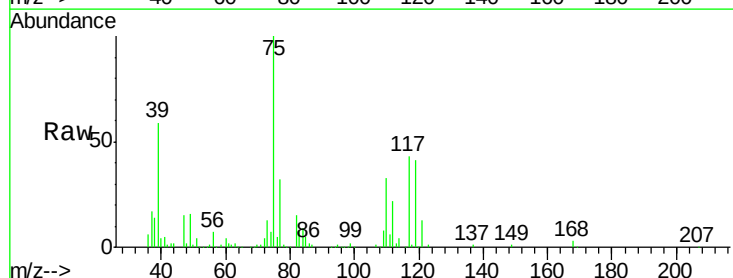
Manual Integrations
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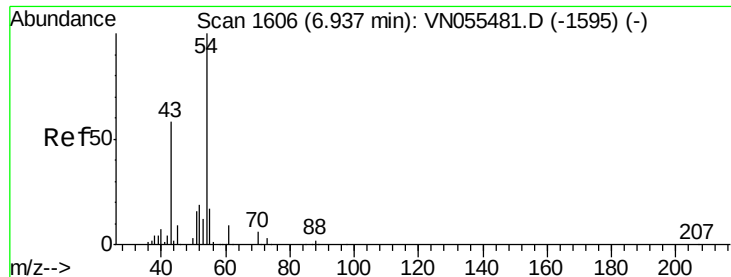
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#36
 1,1-Dichloropropene
 Concen: 20.452 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.2	16.1	48.3	
77	30.8	24.6	37.0	





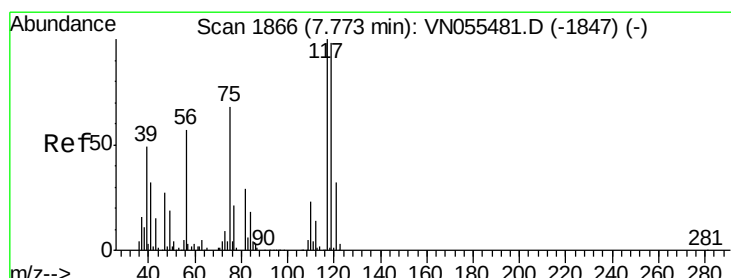
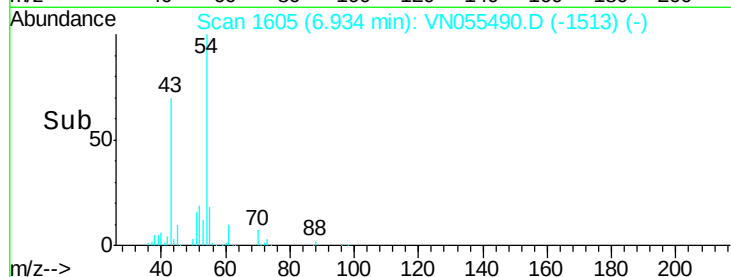
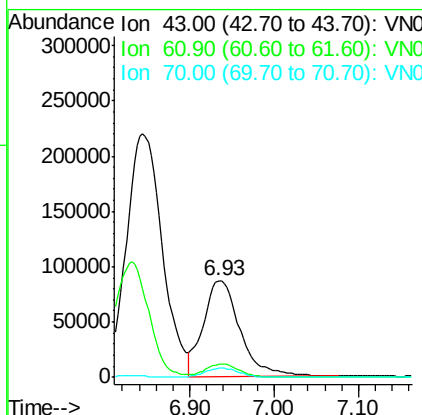
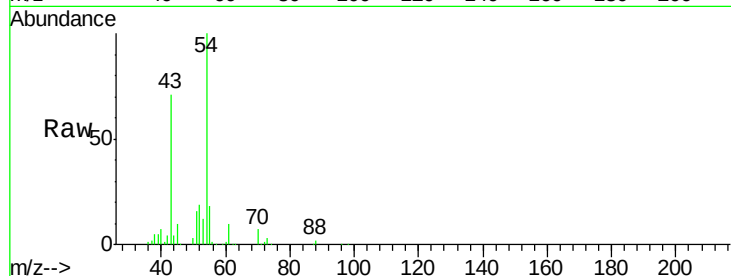
#37
Ethyl Acetate
Concen: 20.259 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.9	16.3
70	8.6	7.0	10.6

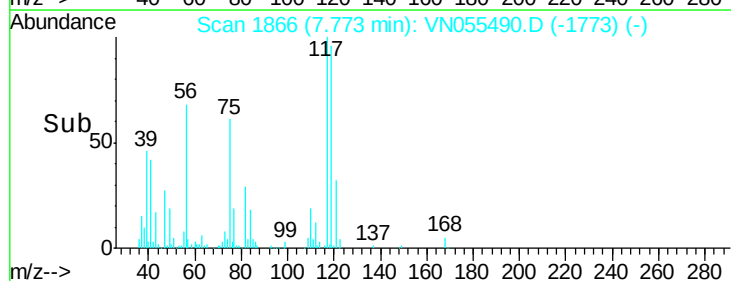
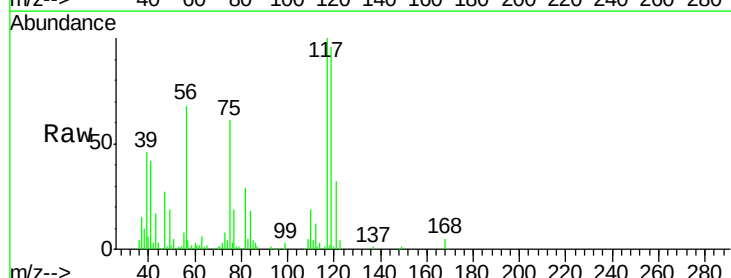
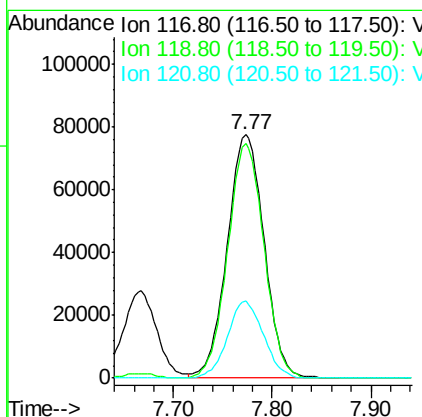
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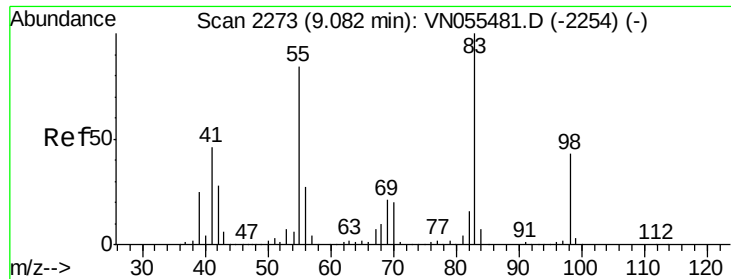
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#38
Carbon Tetrachloride
Concen: 20.346 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.8	116.6
121	31.7	25.2	37.8





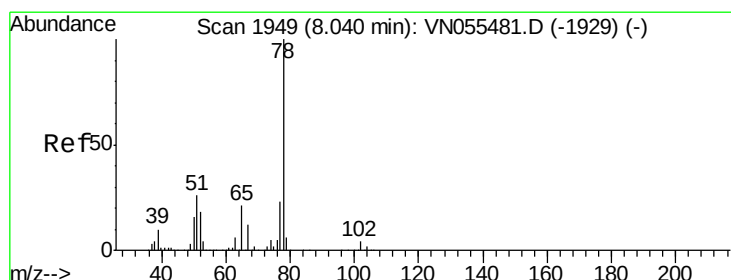
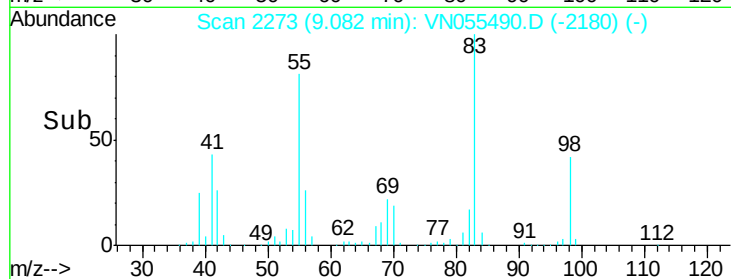
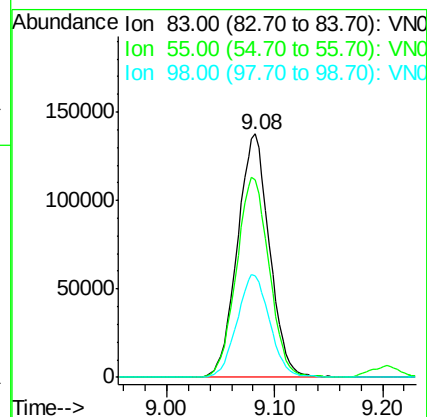
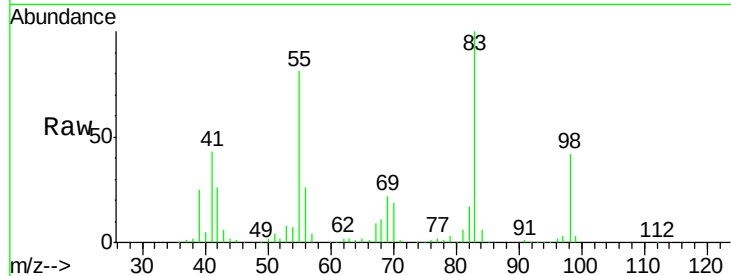
#39
Methylvlcyclohexane
Concen: 19.780 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.1	67.0	100.4	
98	41.8	34.2	51.4	

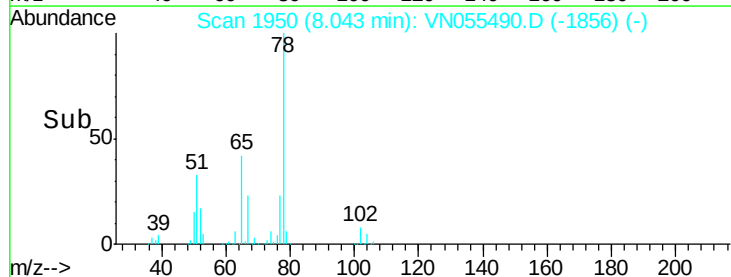
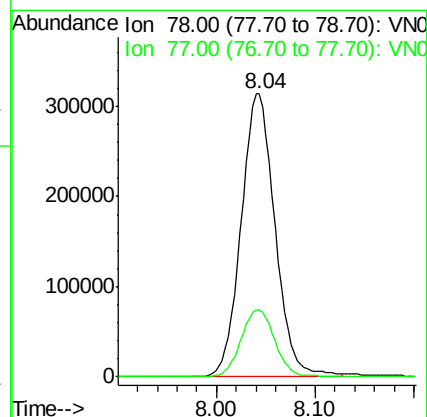
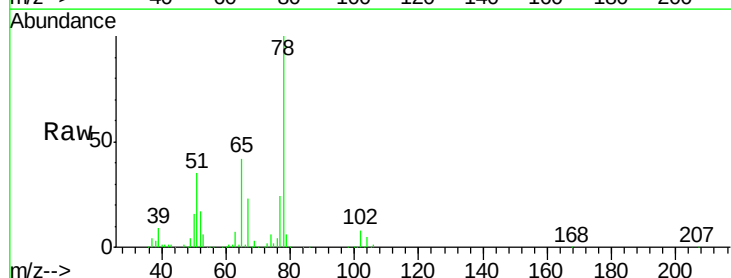
Manual Integrations
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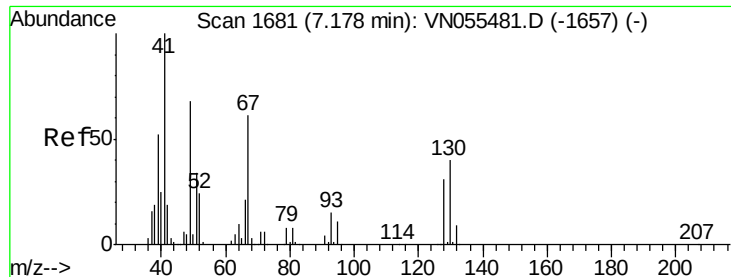
MMDadoda
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#40
Benzene
Concen: 20.361 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.6	27.8	





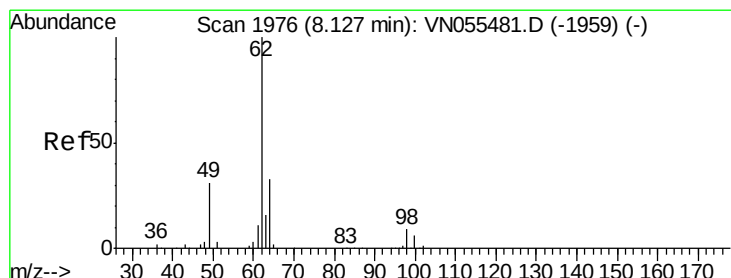
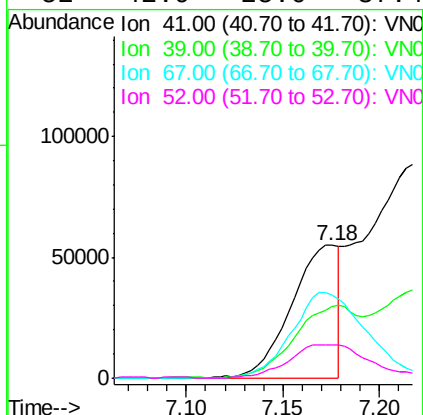
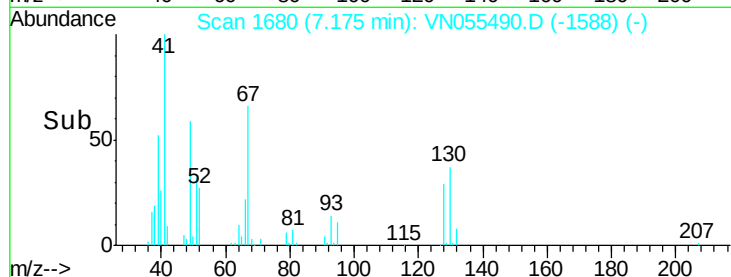
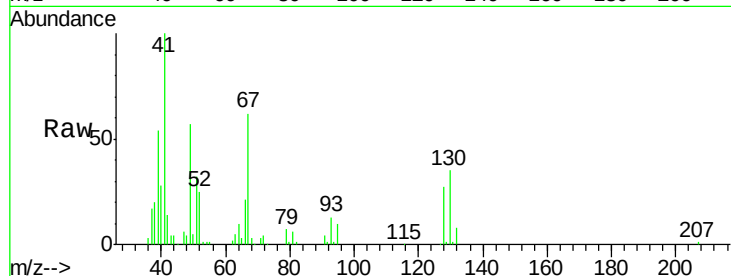
#41
Methacrylonitrile
Concen: 15.601 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0509MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.0	44.7	67.1#
67	103.3	61.4	92.0#
52	42.9	25.0	37.4#

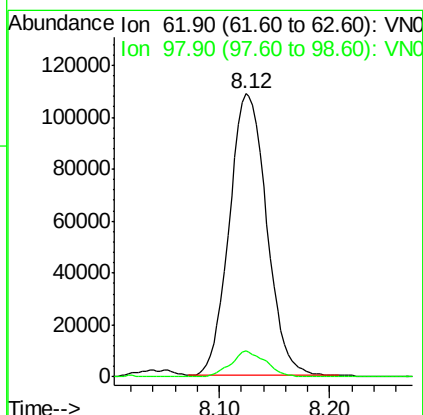
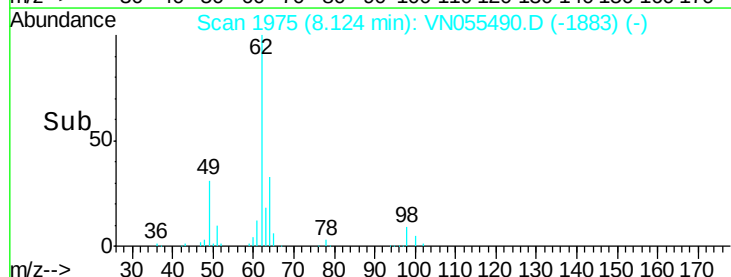
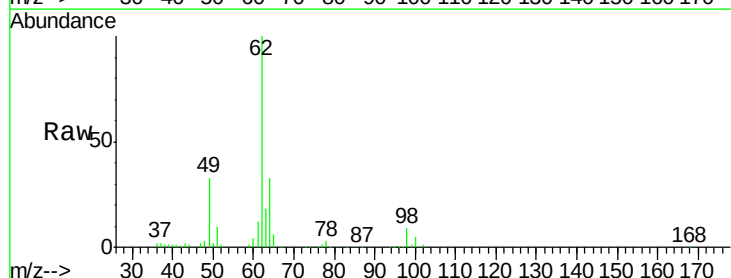
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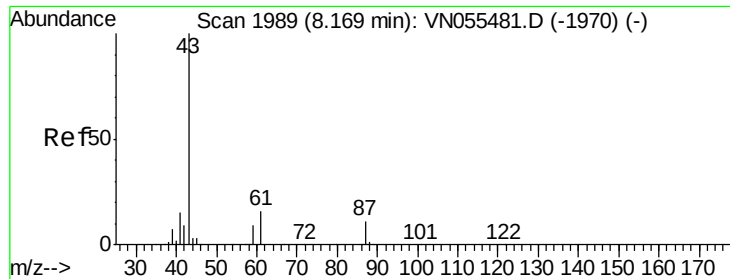
MMDadoda
5/10/2019 12:43:34 PM



#42
1,2-Dichloroethane
Concen: 19.751 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 19.571 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

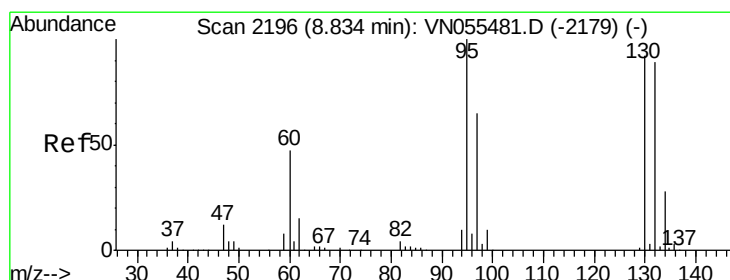
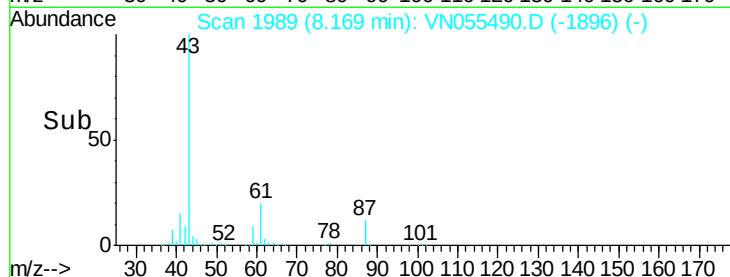
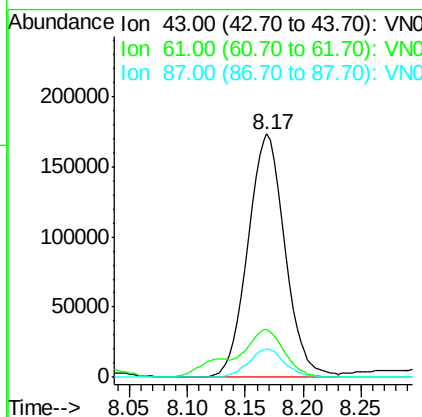
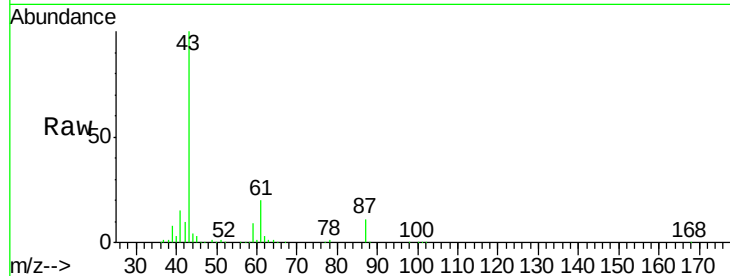
ClientSampleId :

VN0509MBS01

Tot Ion:	43	Resp:	383352
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.1	22.7
87	11.4	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 20.440 ug/l

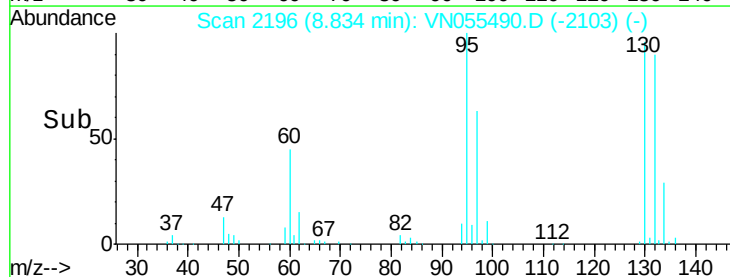
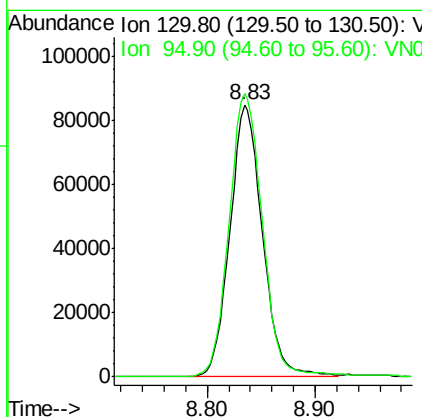
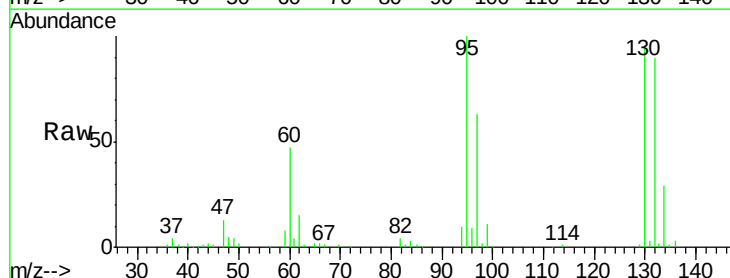
RT: 8.83 min Scan# 2196

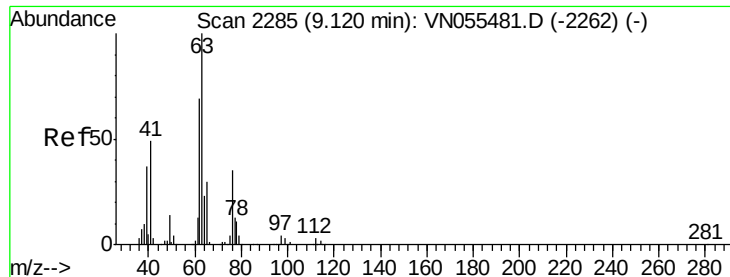
Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Tgt Ion:	130	Resp:	178404
Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	216.8





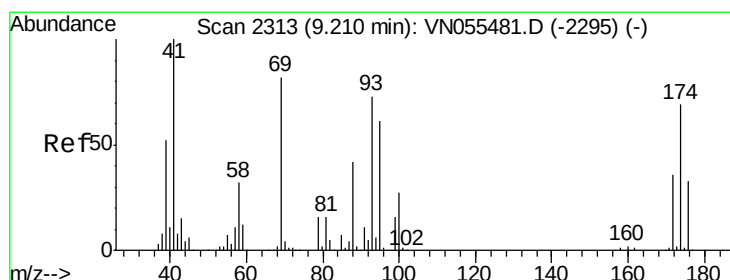
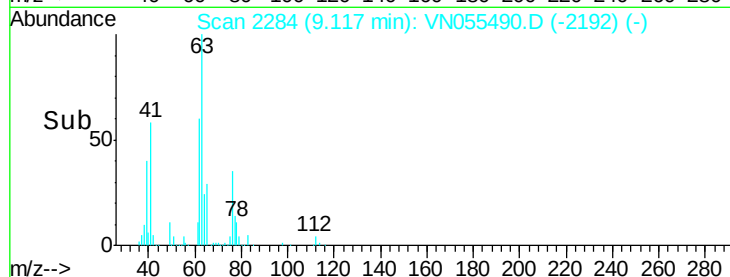
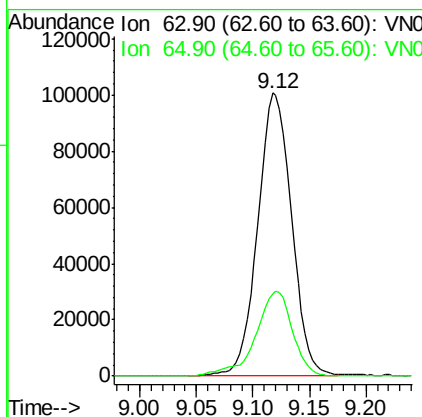
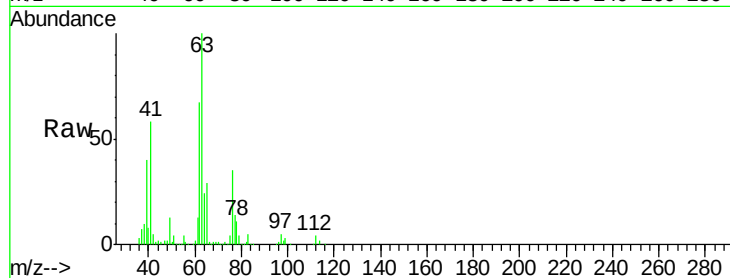
#45
 1,2-Dichloropropane
 Concen: 19.972 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.1	36.1

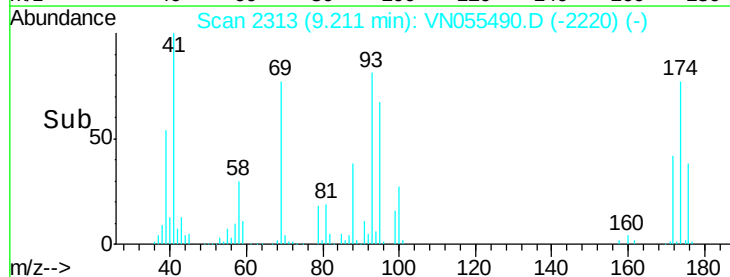
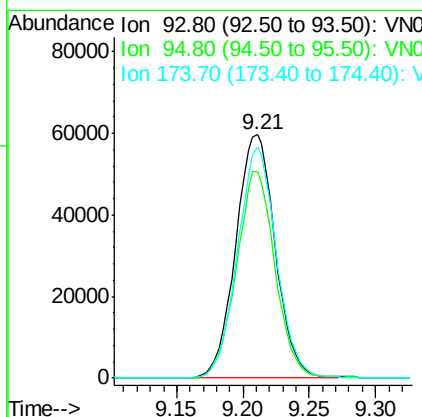
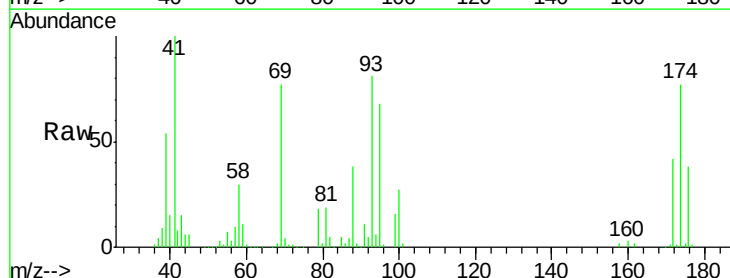
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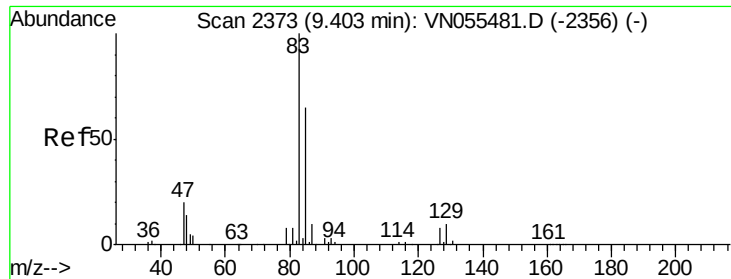
MMDadoda
 5/10/2019 12:43:34 PM



#46
 Dibromomethane
 Concen: 20.359 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	64.8	97.2
174	93.2	75.0	112.6





#47

Bromodichloromethane

Concen: 20.327 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

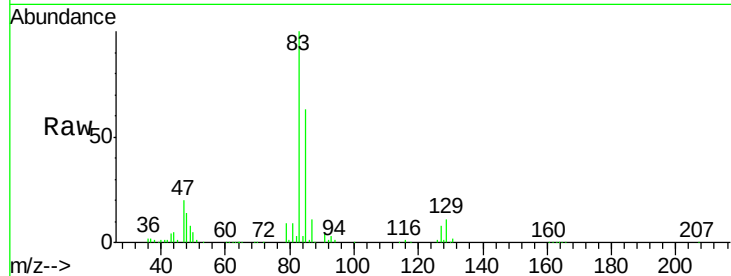
ClientSampleId :

VN0509MBS01

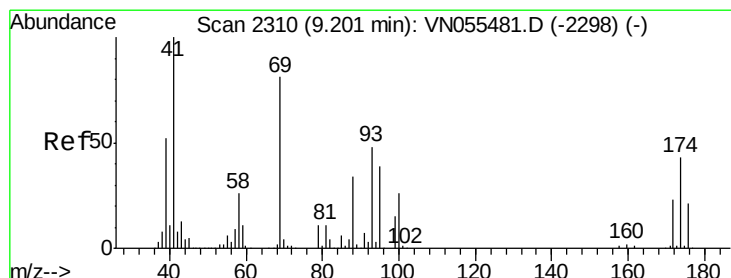
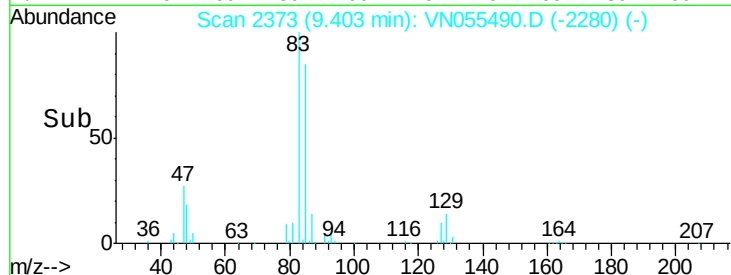
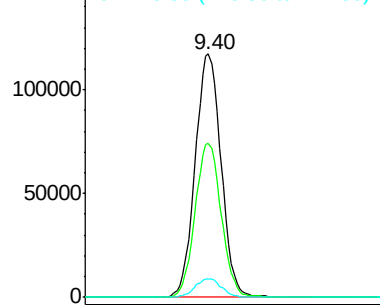
Tot Ion:	83	Resp:	236575
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.2
127	7.7	6.5	9.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055490.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.398 ug/l

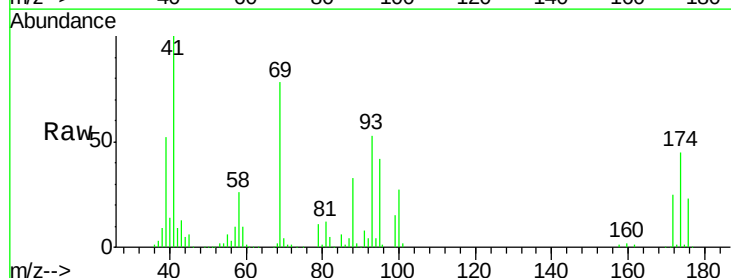
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

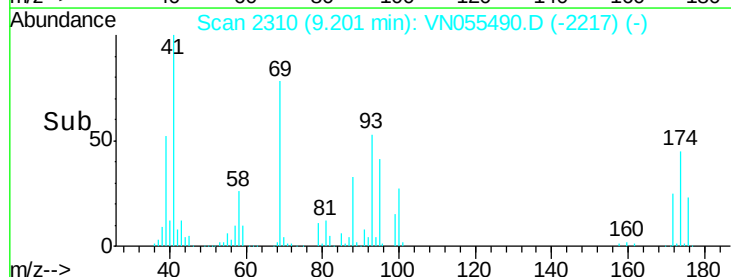
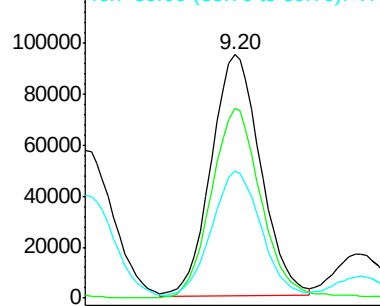
Lab File: VN055490.D

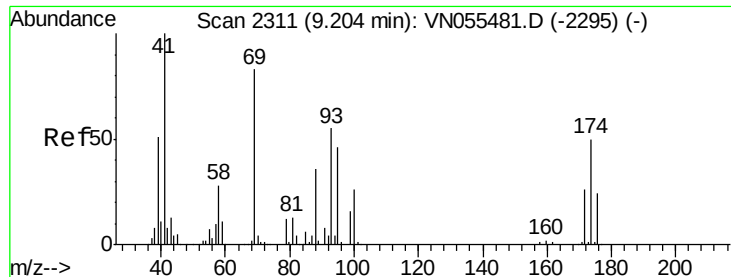
Acq: 9 May 2019 12:18

Tgt Ion:	41	Resp:	183069
Ion	Ratio	Lower	Upper
41	100		
69	80.3	64.2	96.2
39	52.8	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VN055490.D (-2217) (-)





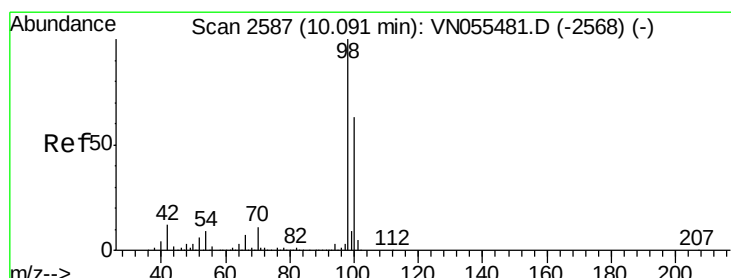
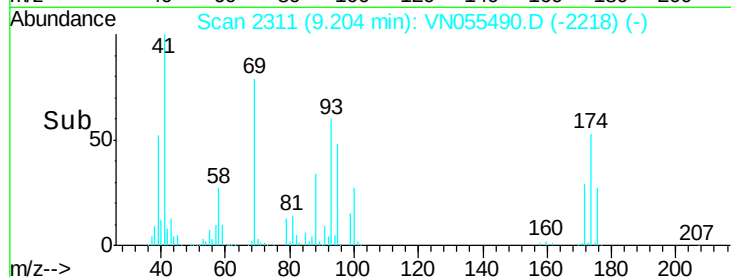
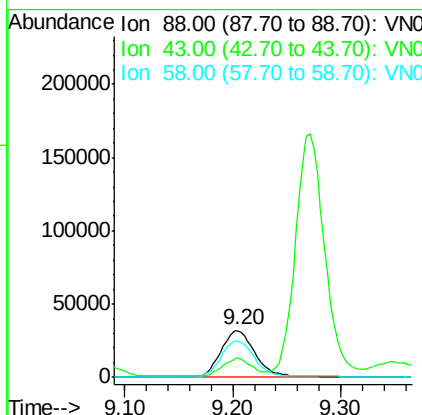
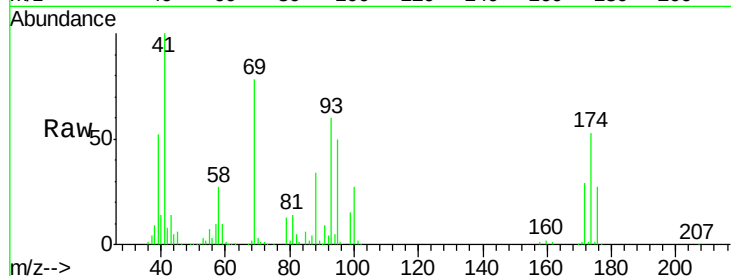
#49
 1,4-Dioxane
 Concen: 387.893 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tot Ion	88	Resp	71348
Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.8	41.8
58	76.8	61.8	92.6

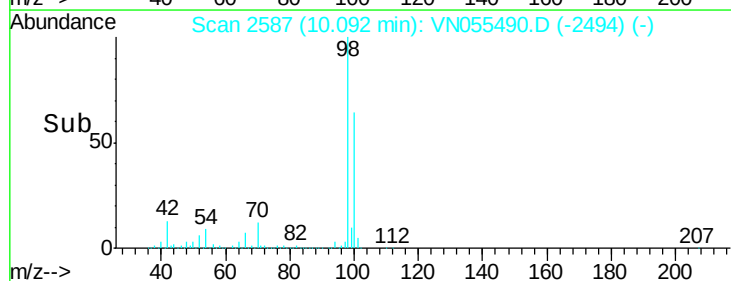
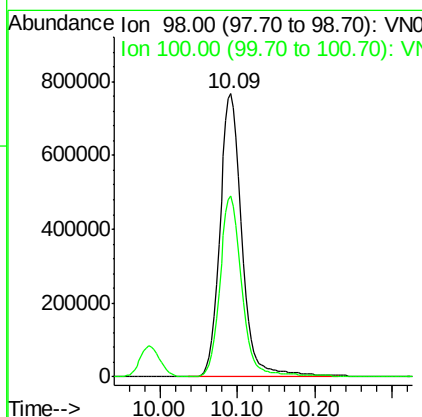
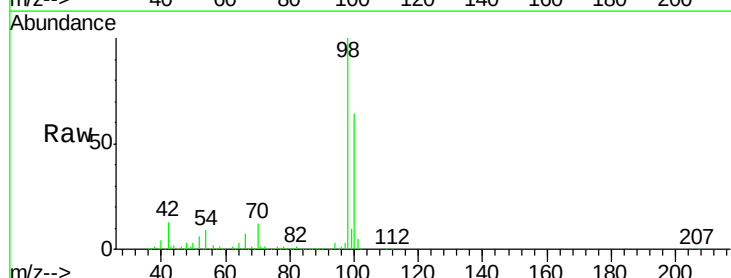
Manual Integrations
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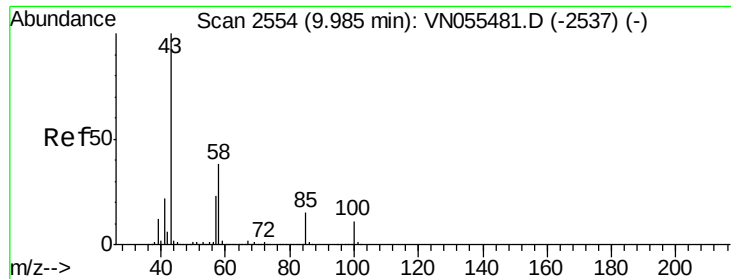
MMDadoda
 5/10/2019 12:43:34 PM



#50
 Toluene-d8
 Concen: 50.658 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion	98	Resp	1527784
Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 96.810 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

Tot Ion: 43 Resp: 1247144

Ion Ratio Lower Upper

43 100

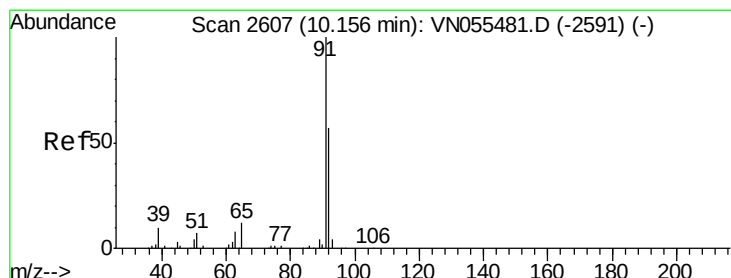
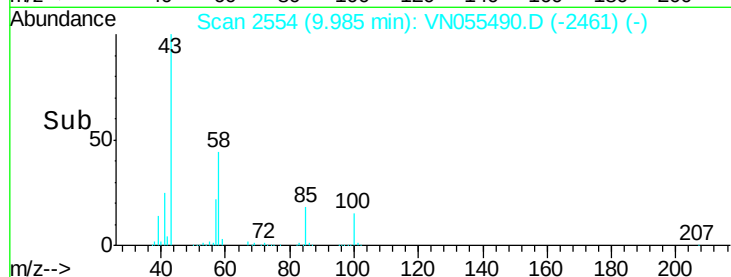
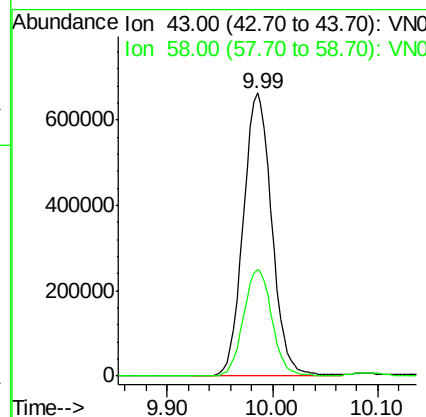
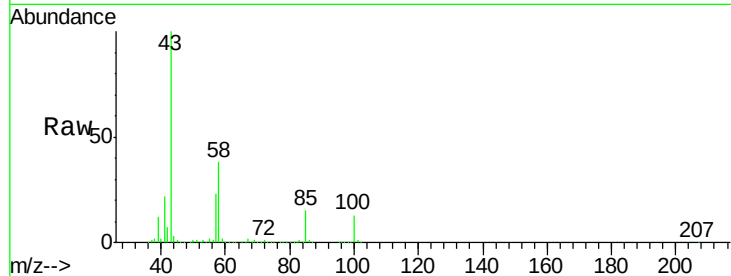
58 37.5 29.9 44.9

Manual Integrations

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#52

Toluene

Concen: 20.572 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055490.D

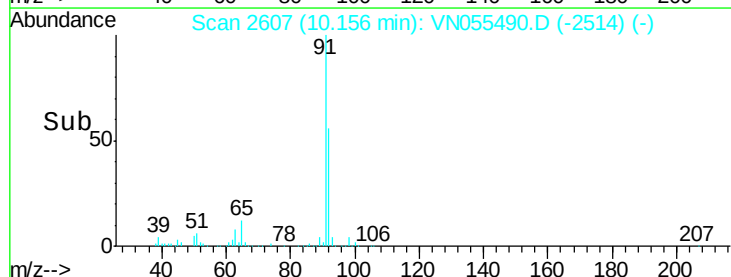
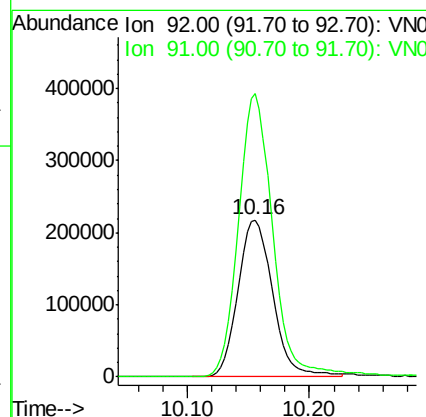
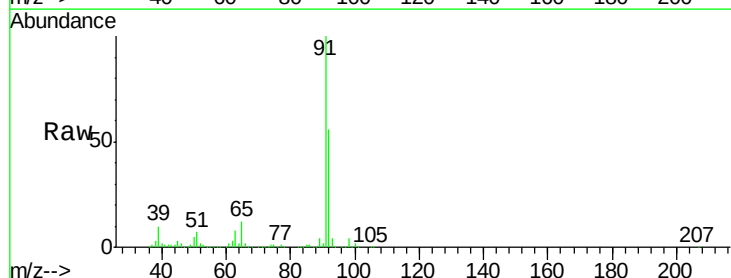
Acq: 9 May 2019 12:18

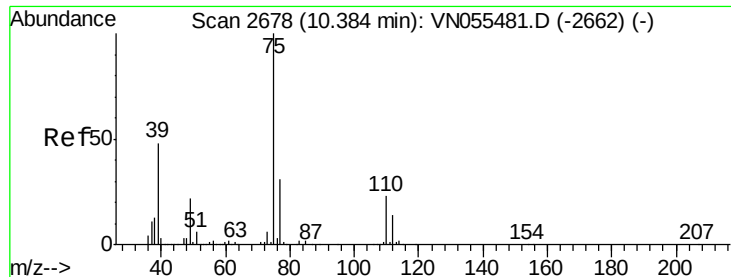
Tgt Ion: 92 Resp: 431426

Ion Ratio Lower Upper

92 100

91 180.2 140.5 210.7





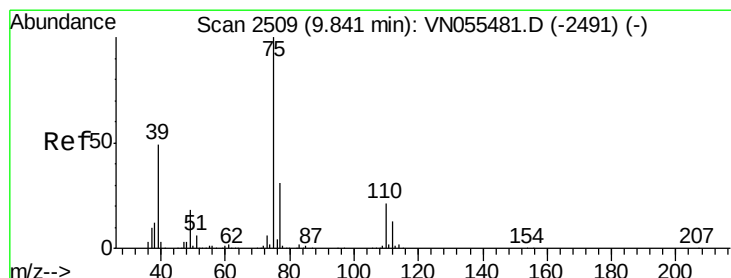
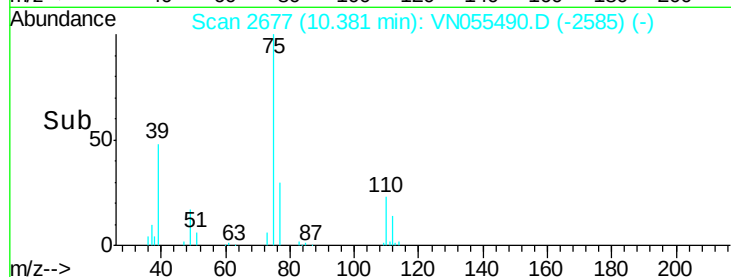
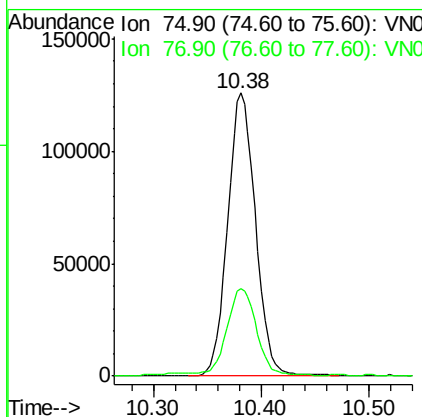
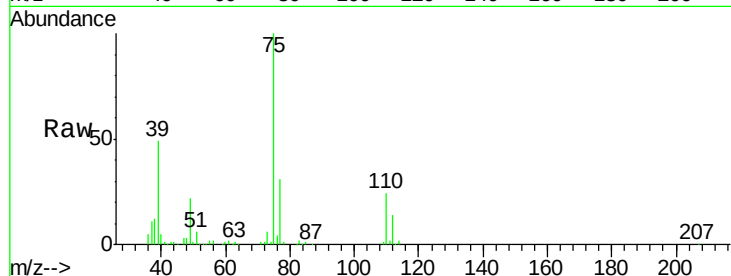
#53
t-1,3-Dichloropropene
Concen: 20.356 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0509MBS01

Tot Ion: 75 Resp: 227534
Ion Ratio Lower Upper
75 100
77 30.2 25.1 37.7

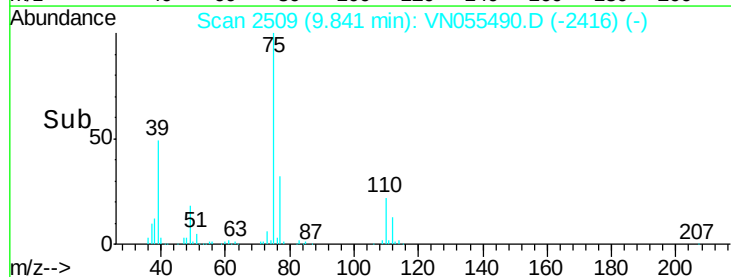
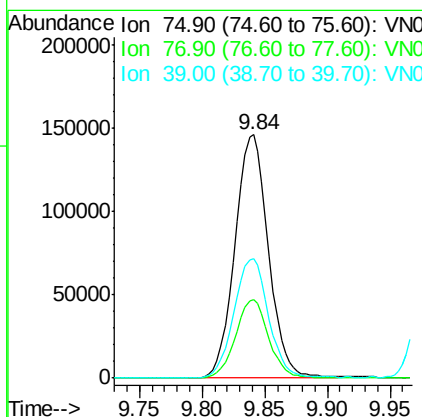
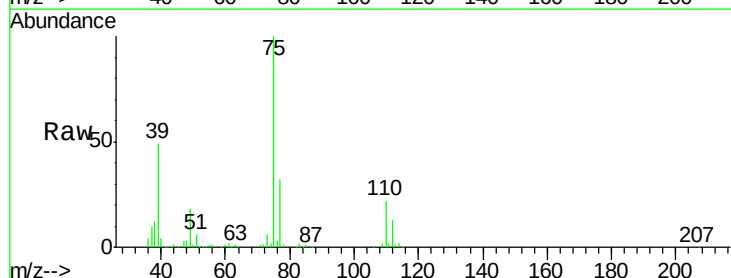
Manual Integrations
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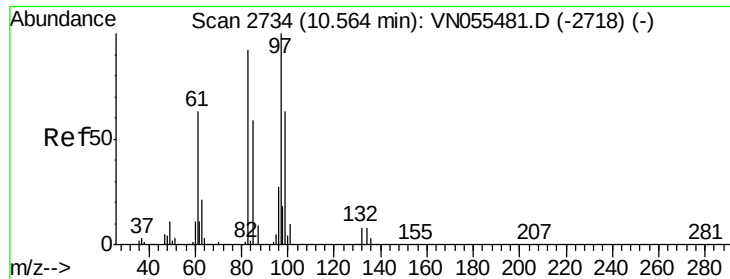
MMDadoda
5/10/2019 12:43:34 PM



#54
cis-1,3-Dichloropropene
Concen: 20.335 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 75 Resp: 271611
Ion Ratio Lower Upper
75 100
77 32.3 24.4 36.6
39 48.8 39.5 59.3





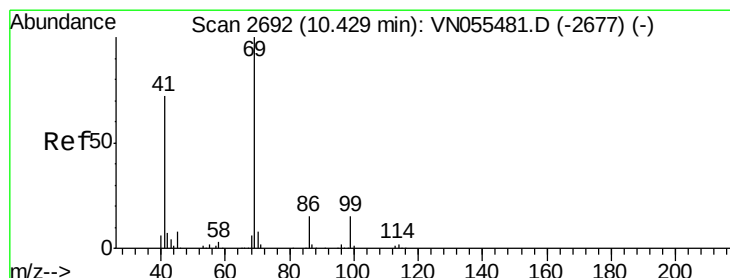
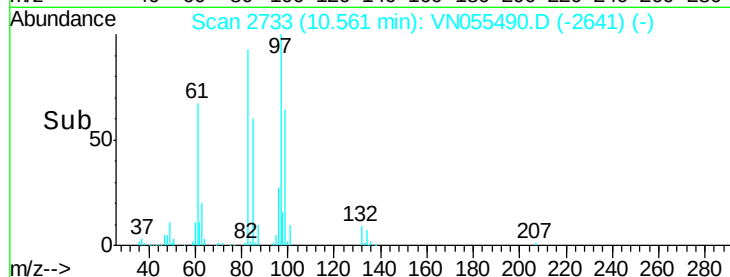
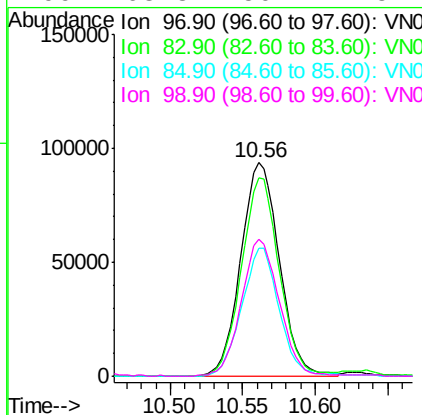
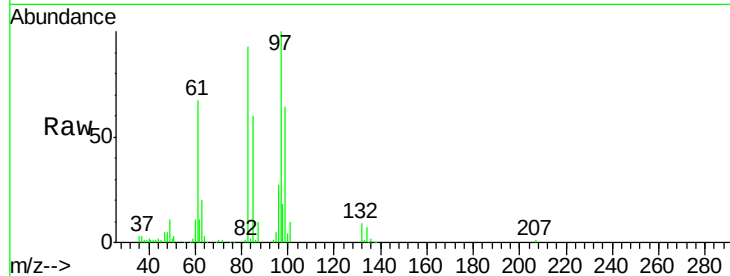
#55
 1,1,2-Trichloroethane
 Concen: 20.449 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tot Ion	97	Resp	173749
Ion	Ratio	Lower	Upper
97	100		
83	93.0	73.2	109.8
85	59.9	47.5	71.3
99	63.8	50.2	75.2

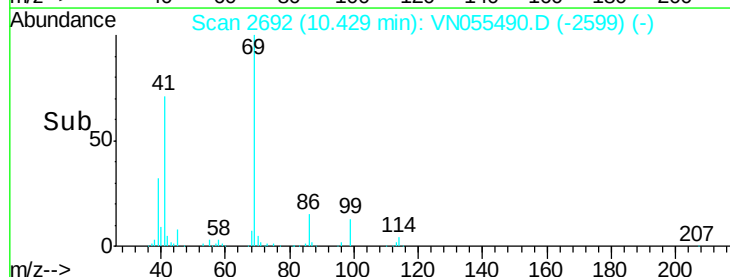
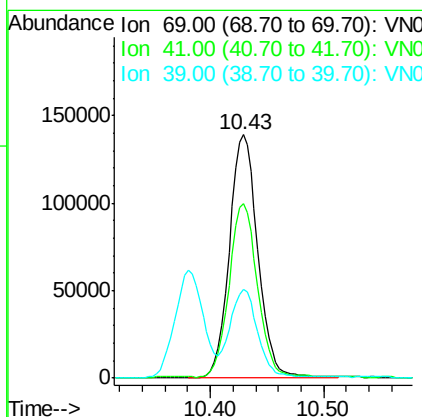
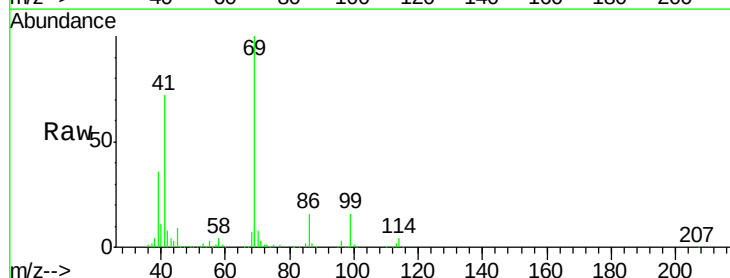
Manual Integrations
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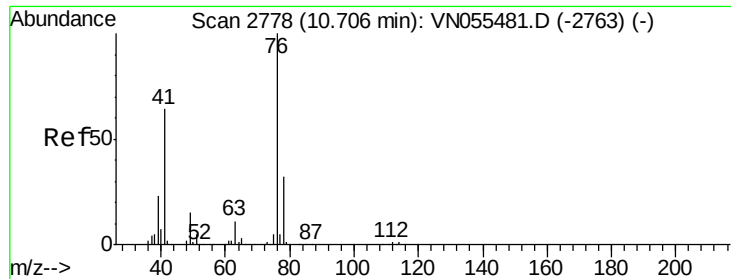
MMDadoda
 5/10/2019 12:43:34 PM



#56
 Ethyl methacrylate
 Concen: 19.295 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion	69	Resp	243853
Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.2	84.2
39	35.1	27.8	41.6





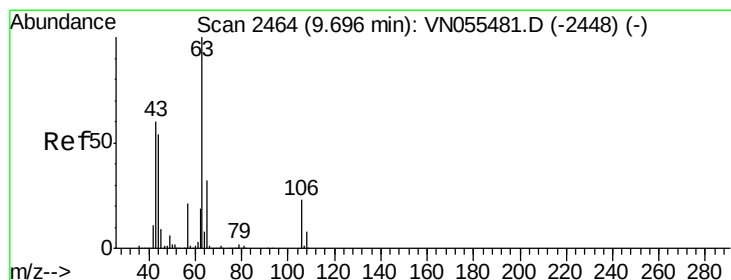
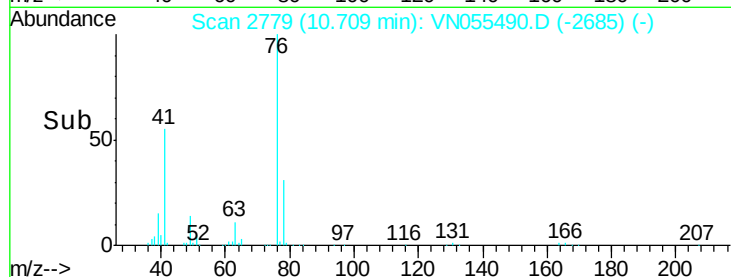
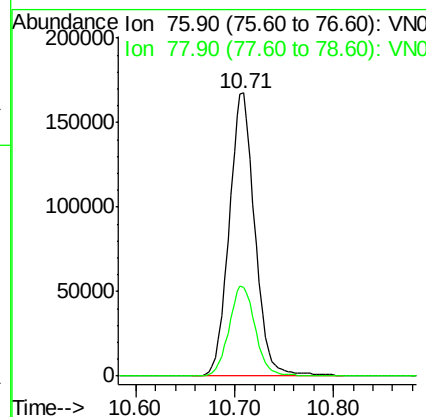
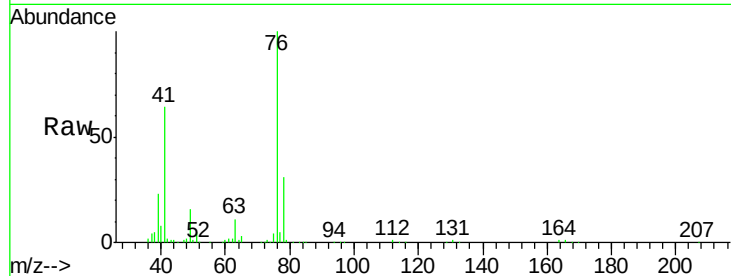
#57
 1,3-Dichloropropane
 Concen: 20.268 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tot Ion: 76 Resp: 305738
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

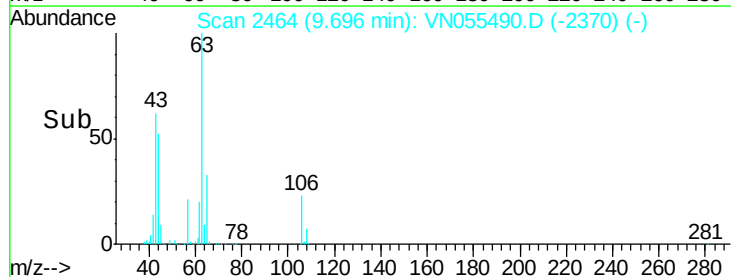
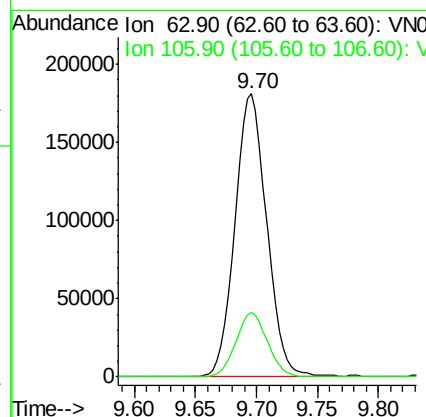
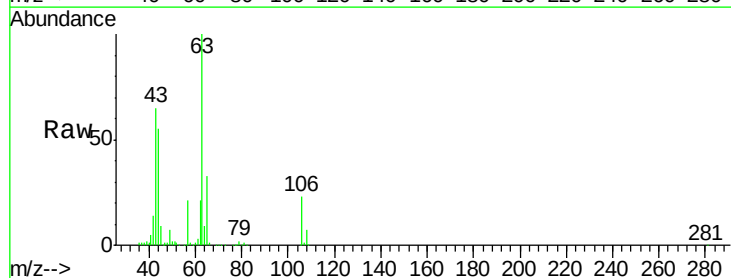
Manual Integrations
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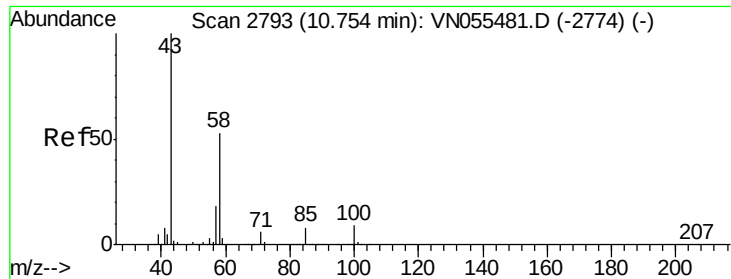
MMDadoda
 5/10/2019 12:43:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.753 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion: 63 Resp: 328023
 Ion Ratio Lower Upper
 63 100
 106 22.4 18.6 27.8





#59

2-Hexanone

Concen: 95.884 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0509MBS01

Tot Ion: 43 Resp: 866254

Ion Ratio Lower Upper

43 100

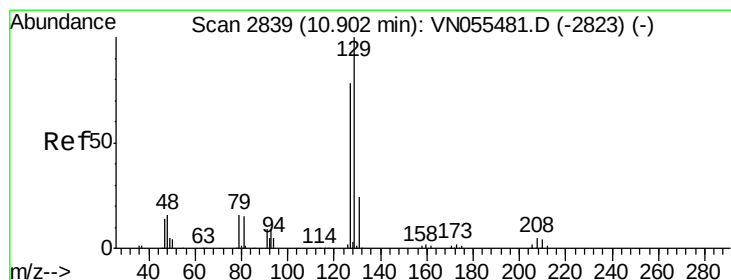
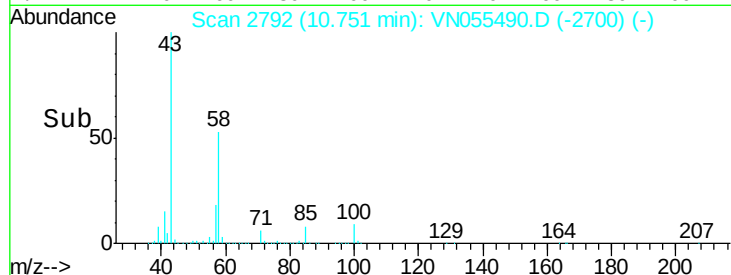
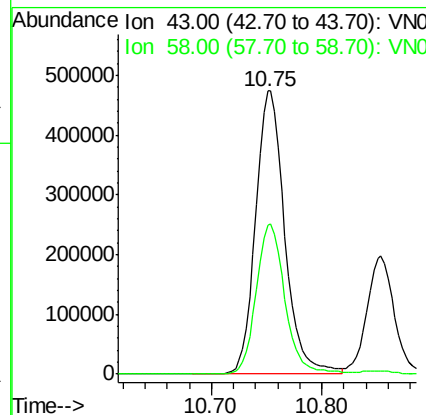
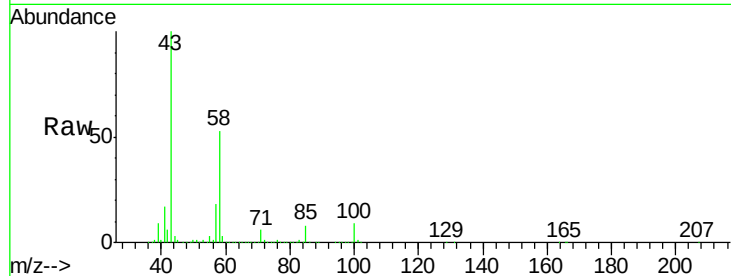
58 52.5 26.4 79.0

Manual Integrations

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#60

Dibromochloromethane

Concen: 20.467 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055490.D

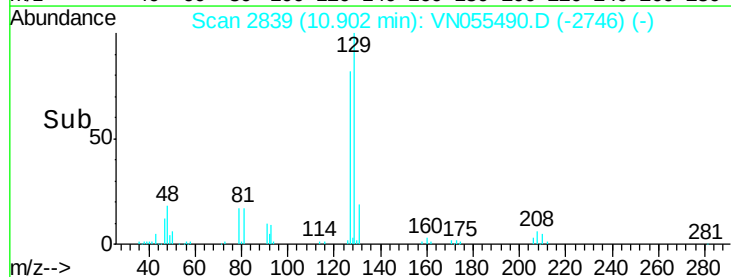
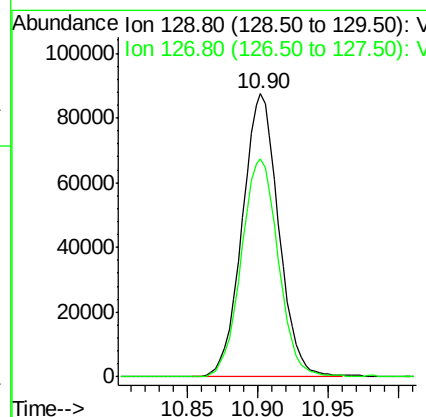
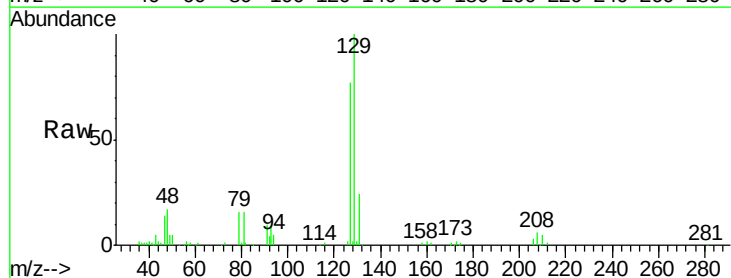
Acq: 9 May 2019 12:18

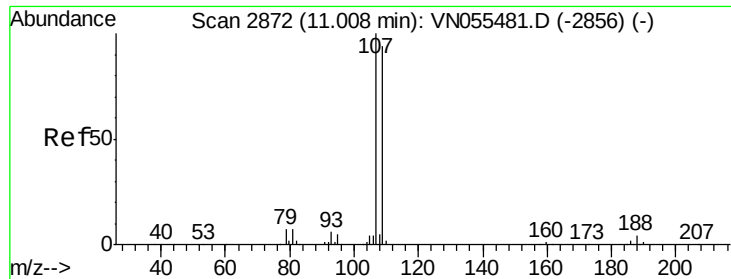
Tgt Ion: 129 Resp: 158115

Ion Ratio Lower Upper

129 100

127 78.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.089 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0509MBS01

Tot Ion: 107 Resp: 163999

Ion Ratio Lower Upper

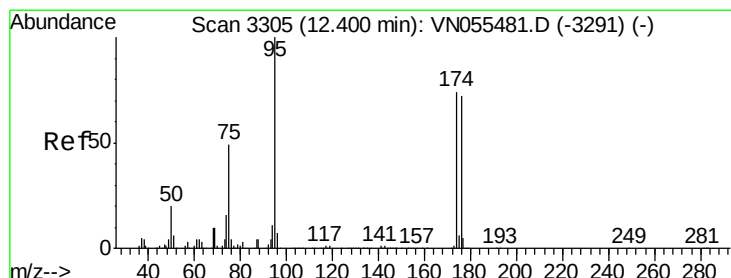
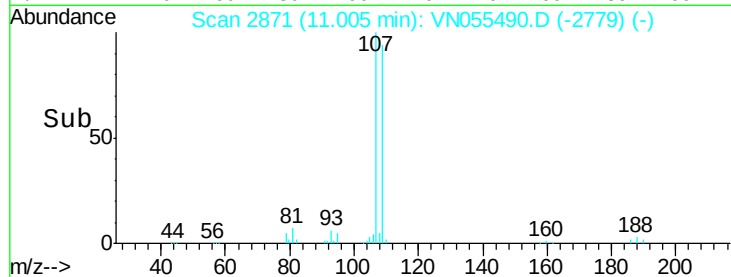
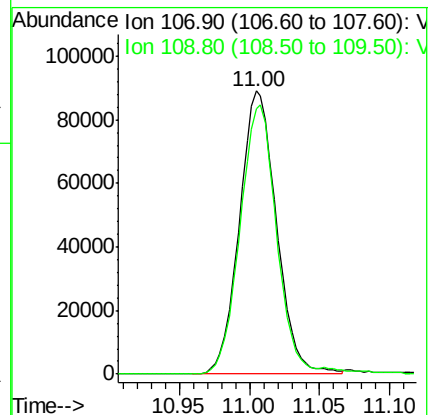
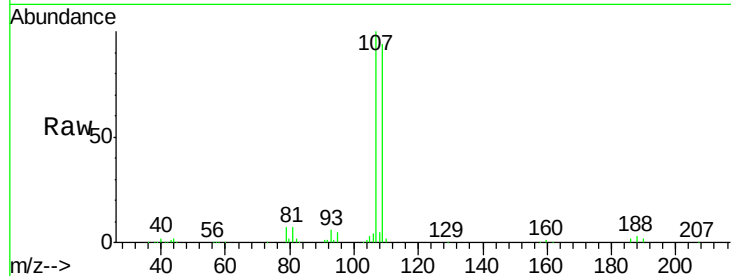
107 100

109 95.1 74.2 111.4

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 49.183 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

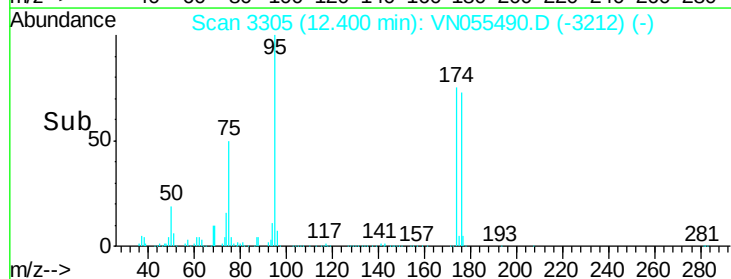
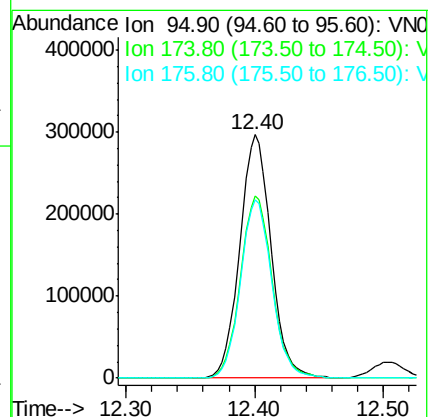
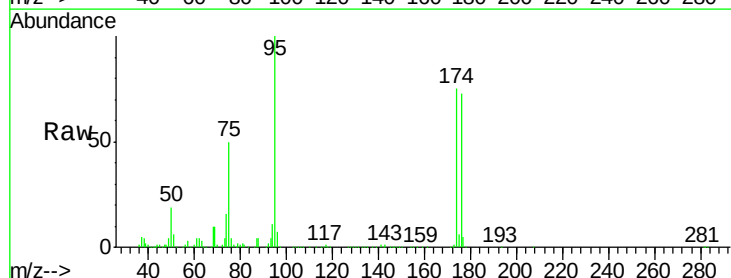
Tgt Ion: 95 Resp: 500149

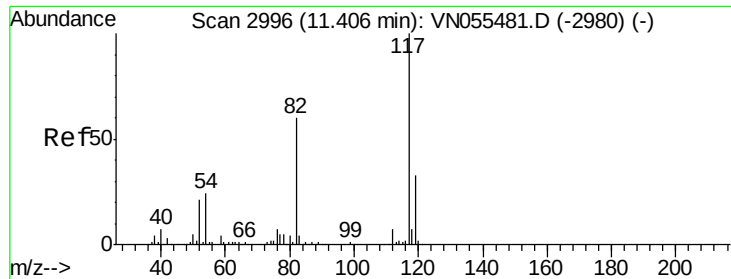
Ion Ratio Lower Upper

95 100

174 76.1 0.0 152.2

176 73.7 0.0 147.8





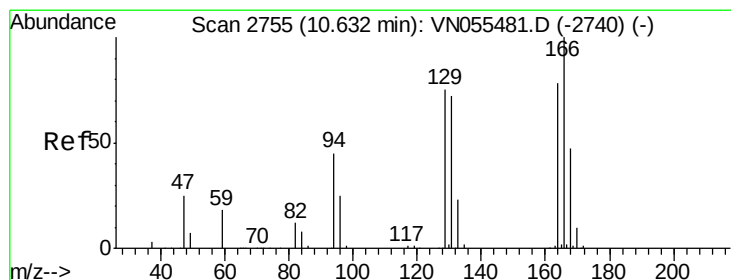
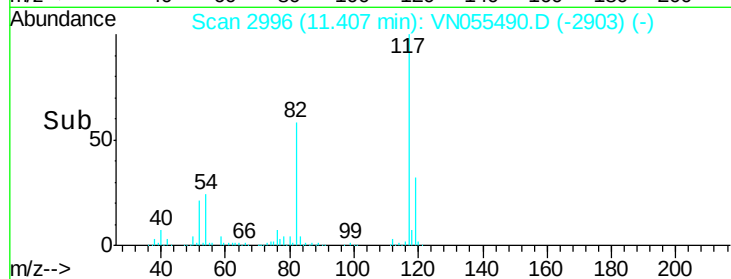
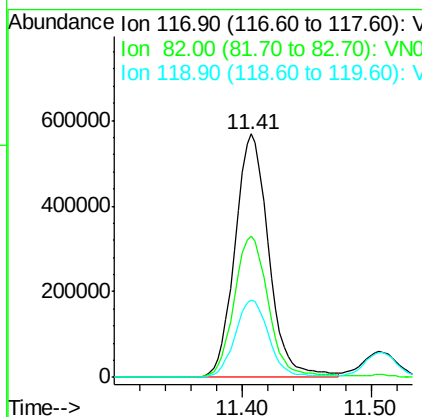
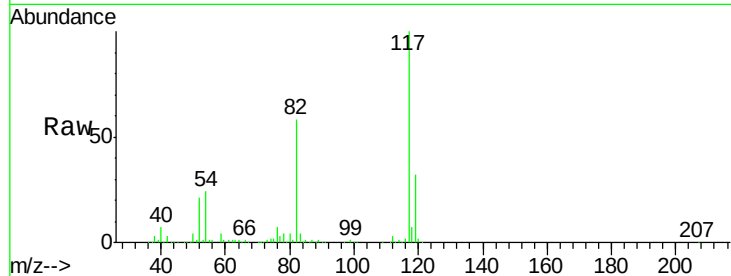
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion:117 Resp: 1033642
Ion Ratio Lower Upper
117 100
82 58.1 48.0 72.0
119 32.0 26.0 39.0

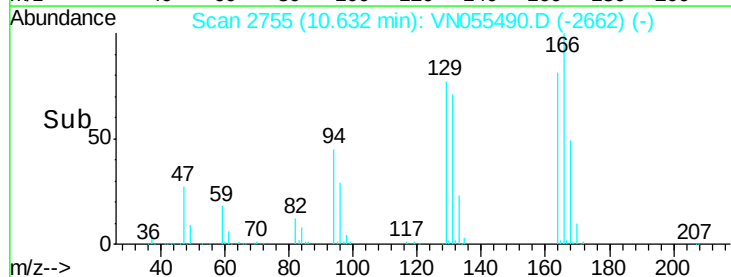
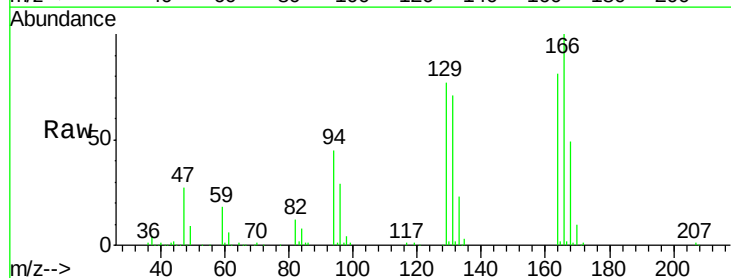
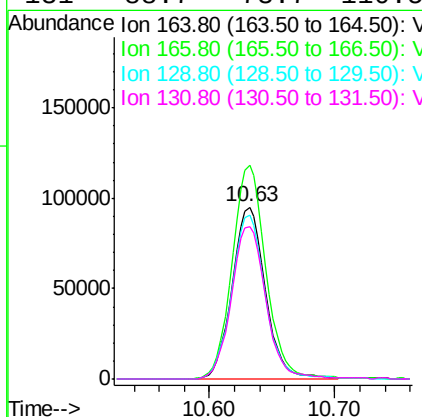
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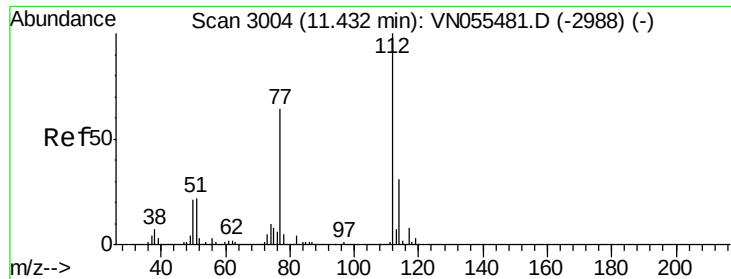
MMDadoda
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#64
Tetrachloroethene
Concen: 20.680 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion:164 Resp: 175155
Ion Ratio Lower Upper
164 100
166 124.1 102.6 153.8
129 95.2 77.0 115.6
131 88.7 73.7 110.5





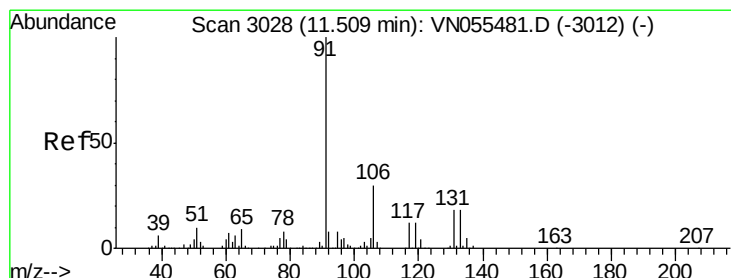
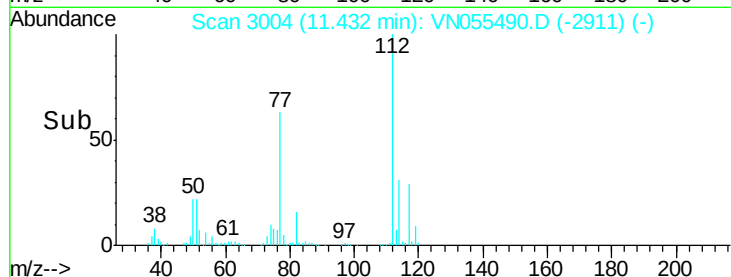
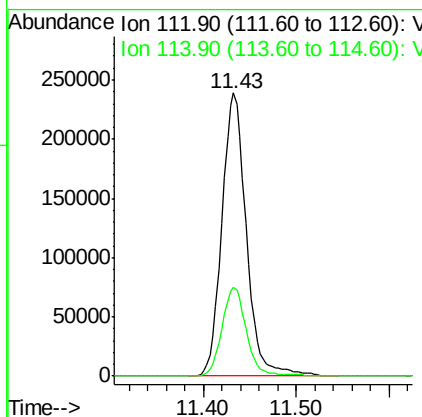
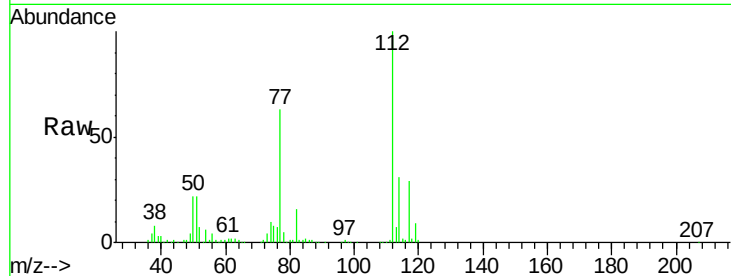
#65
Chlorobenzene
Concen: 20.573 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0509MBS01

Tot Ion:112 Resp: 437501
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.4

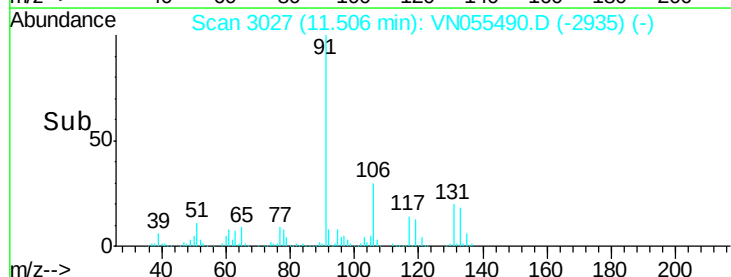
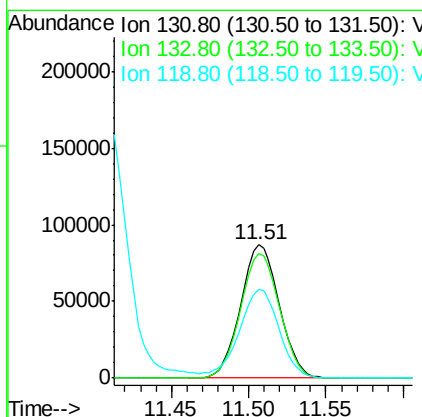
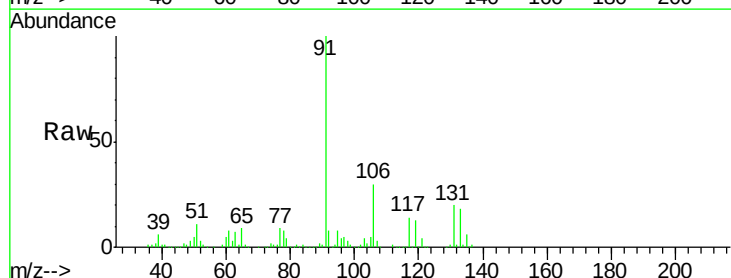
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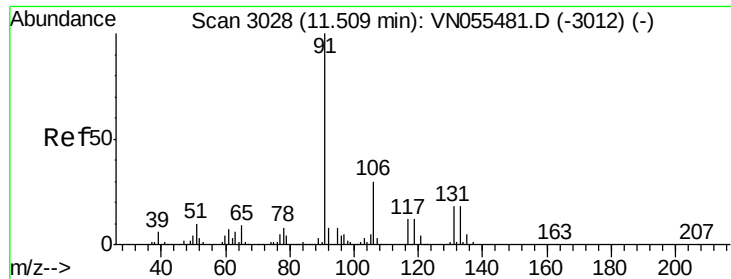
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.618 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion:131 Resp: 150944
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.2
119 69.3 34.1 102.2





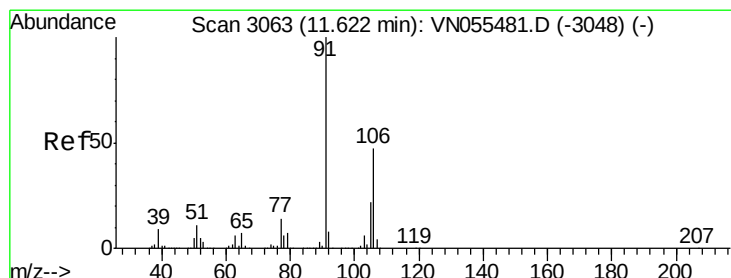
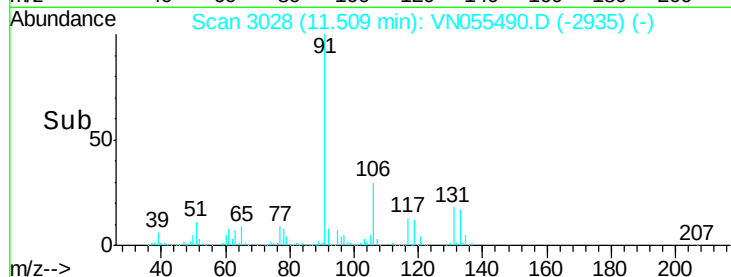
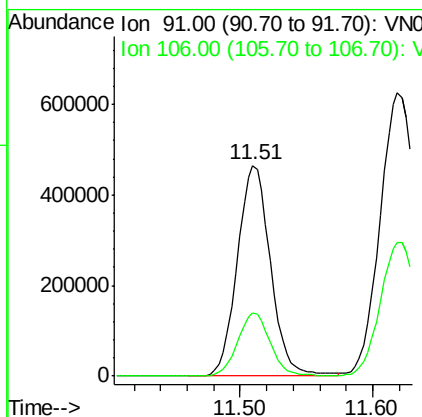
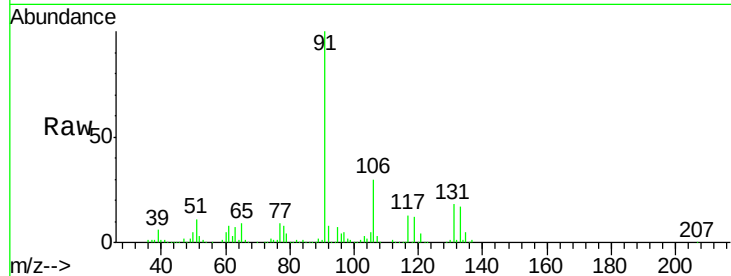
#67
Ethyl Benzene
Concen: 20.277 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0509MBS01

Tot Ion: 91 Resp: 809853
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.6

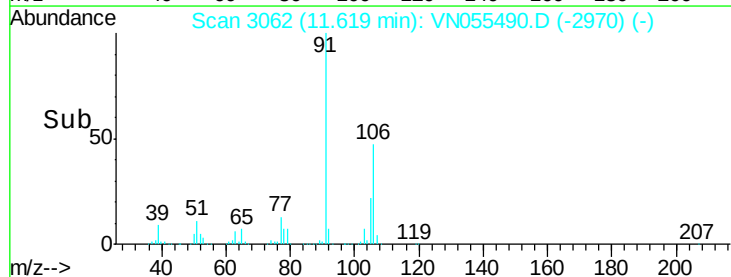
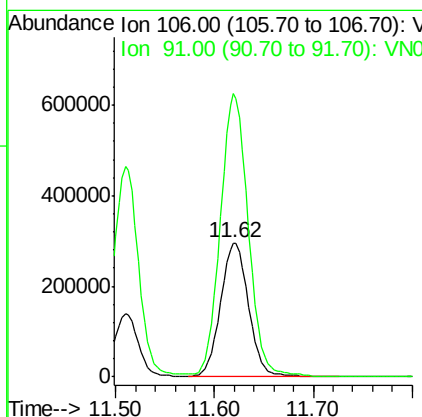
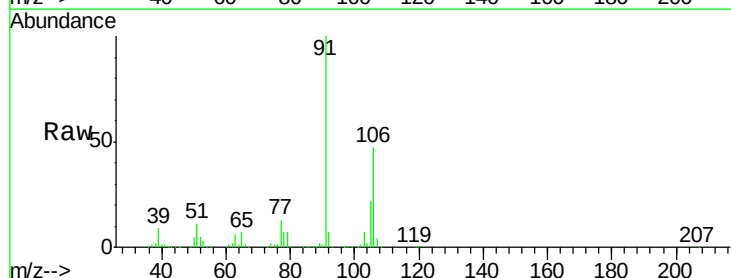
Manual Integrations
APPROVED

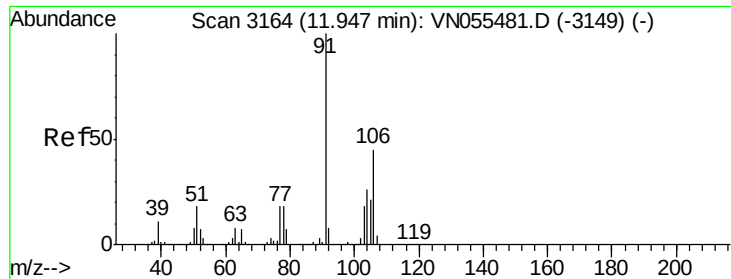
MMDadoda
5/10/2019 12:43:34 PM



#68
m/p-Xylenes
Concen: 41.265 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 106 Resp: 591465
Ion Ratio Lower Upper
106 100
91 210.4 169.2 253.8





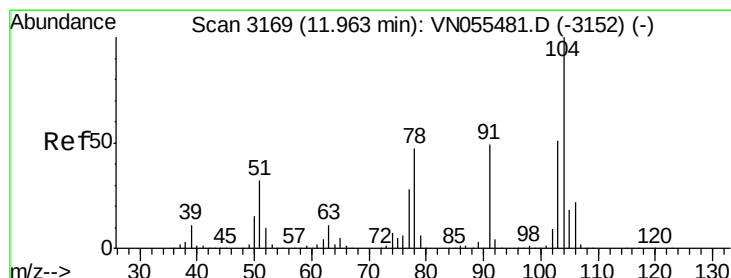
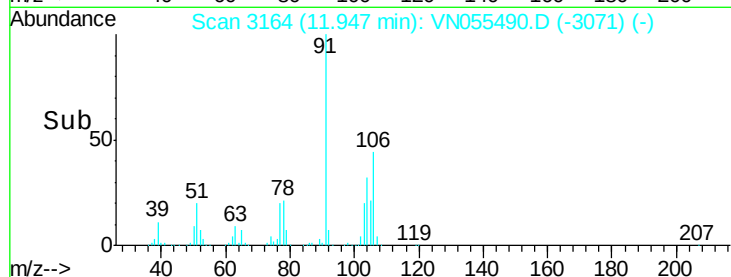
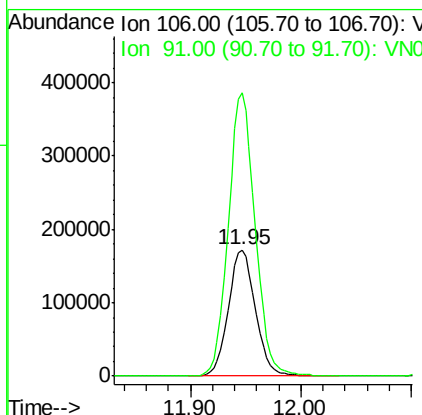
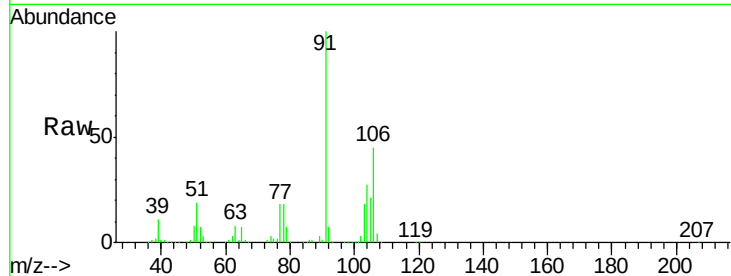
#69
o-Xylene
Concen: 20.778 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0509MBS01

Tot Ion	Ion	Ratio	Lower	Upper
292724	106	100		
	91	222.0	111.3	333.8

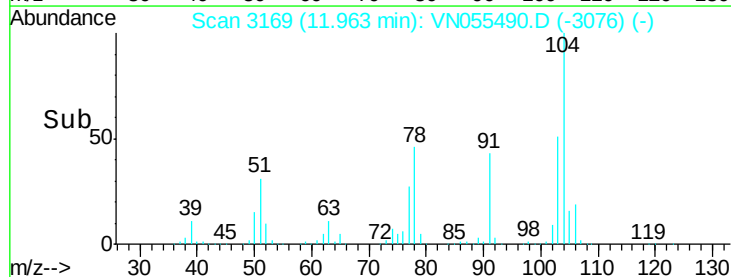
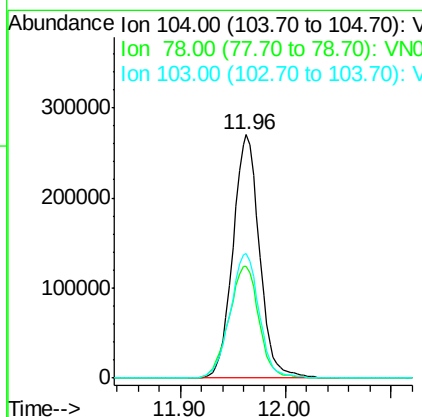
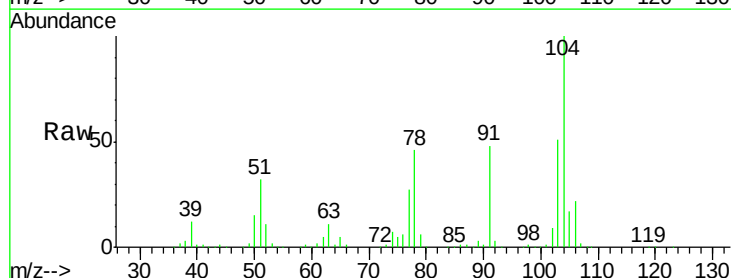
Manual Integrations
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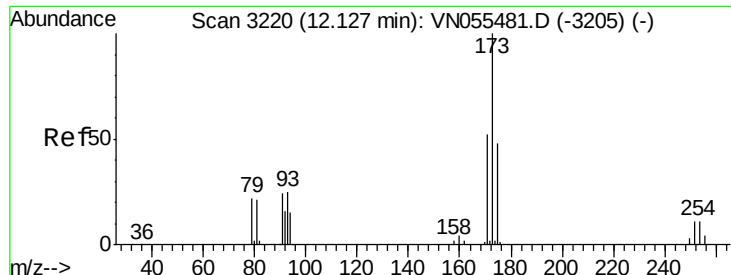
MMDadoda
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#70
Styrene
Concen: 20.834 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion	Ion	Ratio	Lower	Upper
470234	104	100		
	78	51.9	41.6	62.4
	103	56.0	44.4	66.6





#71

Bromoform

Concen: 20.594 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

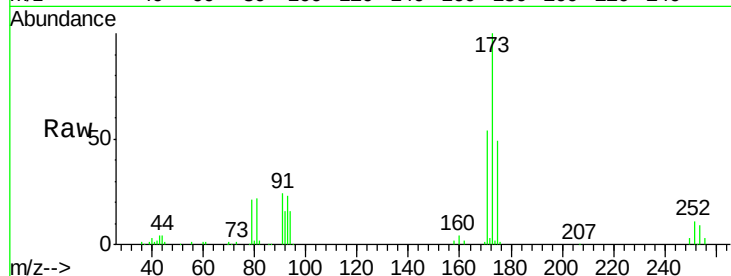
ClientSampleId :

VN0509MBS01

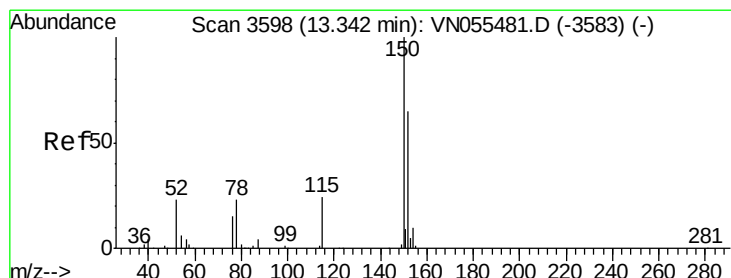
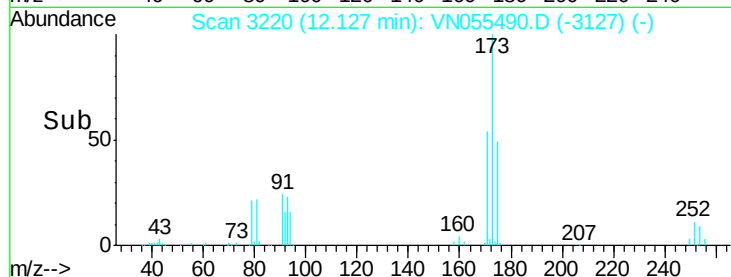
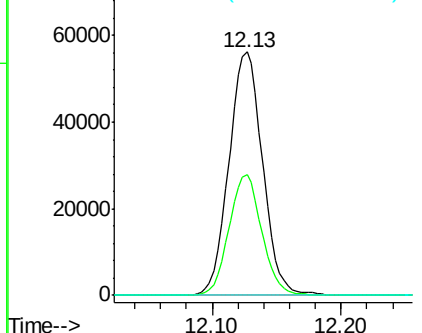
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.4
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

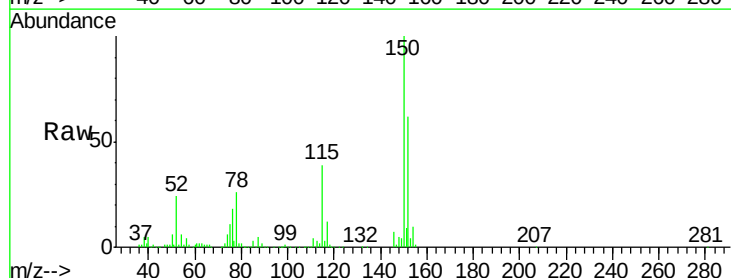
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

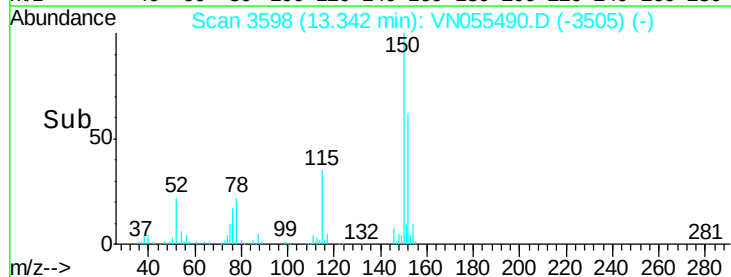
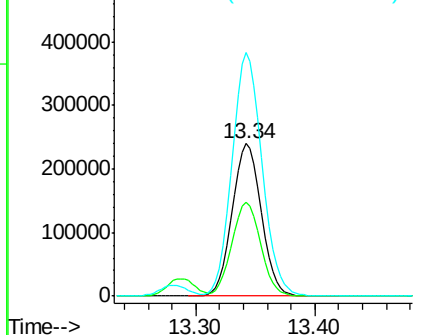
Lab File: VN055490.D

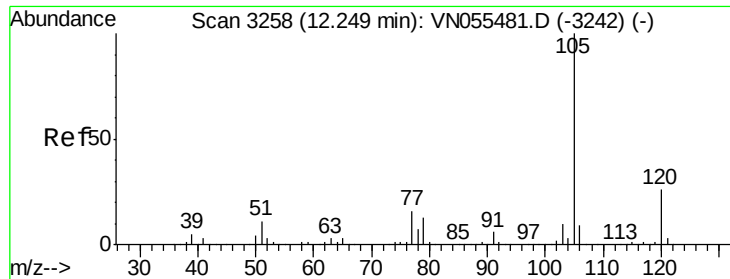
Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.1	90.5
150	165.2	0.0	355.0



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





#73

Isopropylbenzene

Concen: 21.696 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0509MBS01

Tot Ion: 105 Resp: 773632

Ion Ratio Lower Upper

105 100

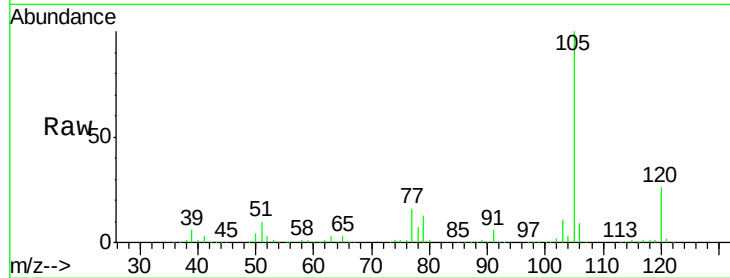
120 25.8 13.0 39.0

Manual Integrations

APPROVED

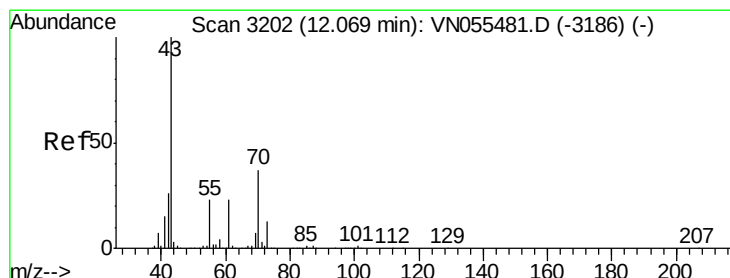
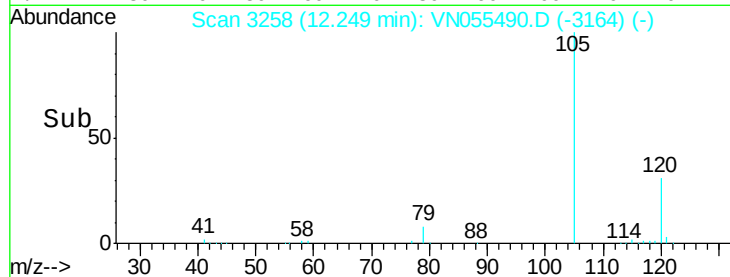
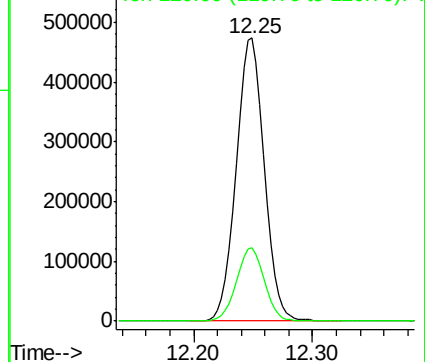
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.327 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Tgt Ion: 43 Resp: 282431

Ion Ratio Lower Upper

43 100

70 39.6 30.7 46.1

55 25.5 19.3 28.9

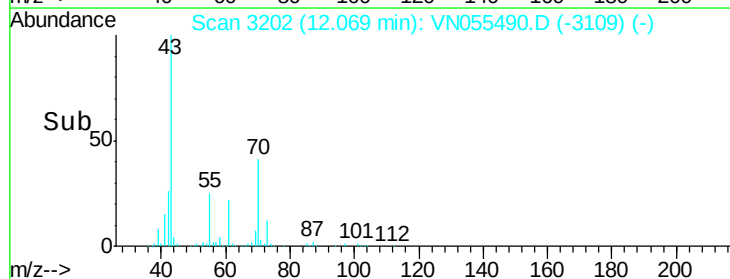
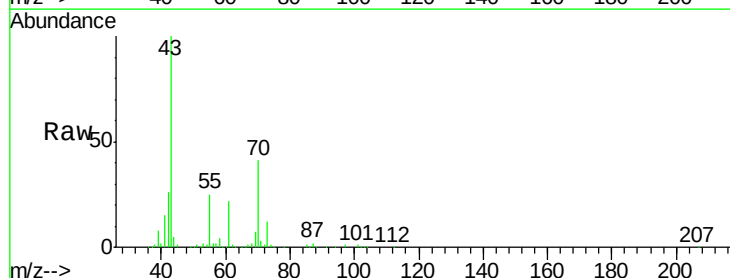
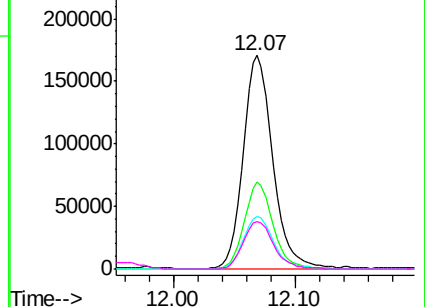
61 23.1 18.6 27.8

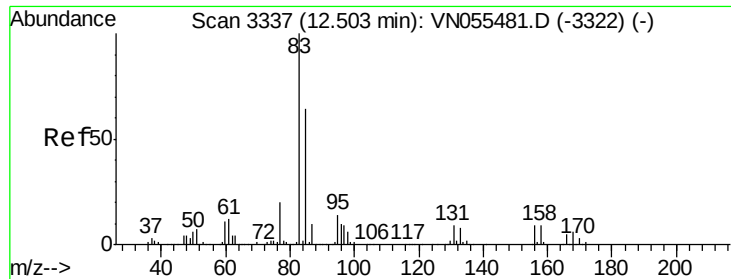
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.579 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

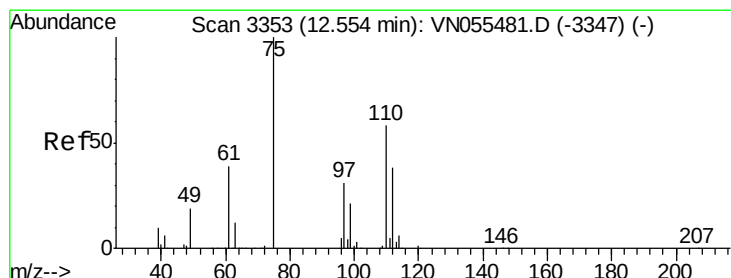
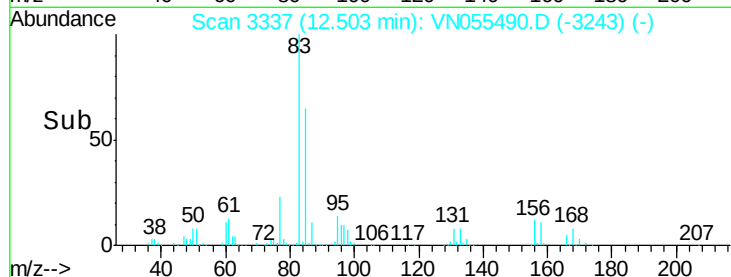
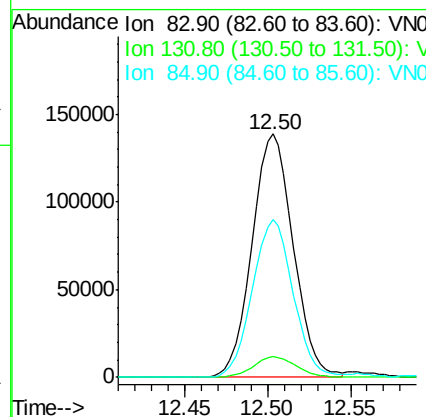
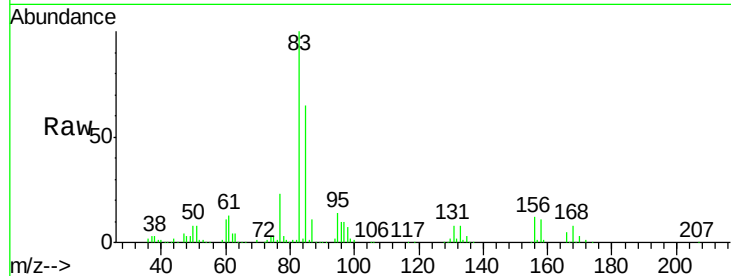
ClientSampleId :

VN0509MBS01

Tot Ion:	83	Resp:	239611
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.5	13.5
85	64.0	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 19.441 ug/l m

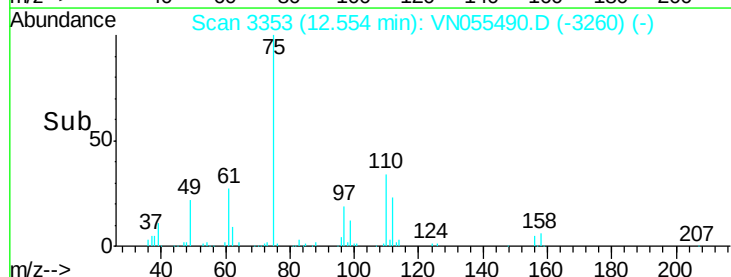
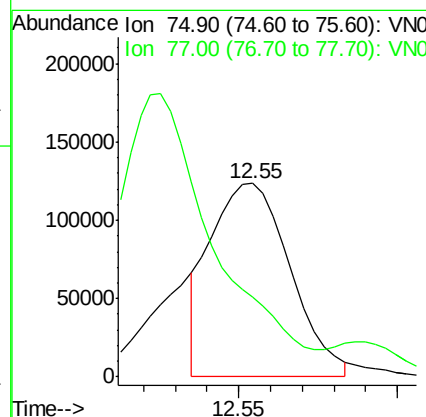
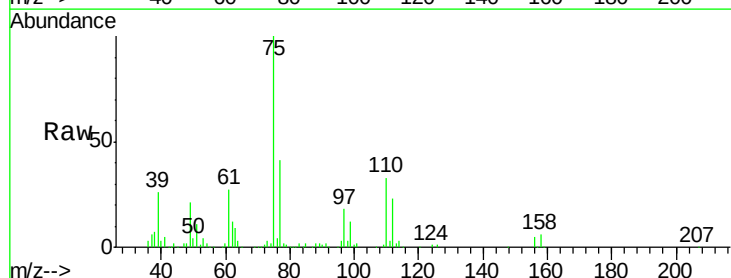
RT: 12.55 min Scan# 3353

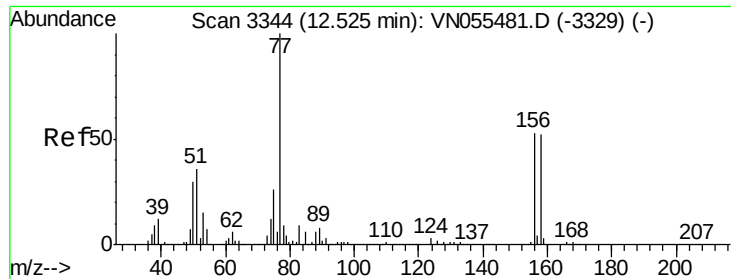
Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Tgt Ion:	75	Resp:	214825
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.469 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

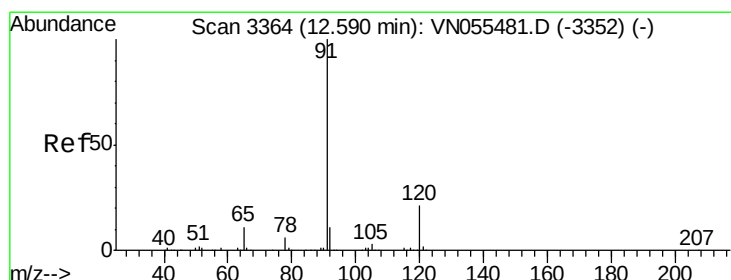
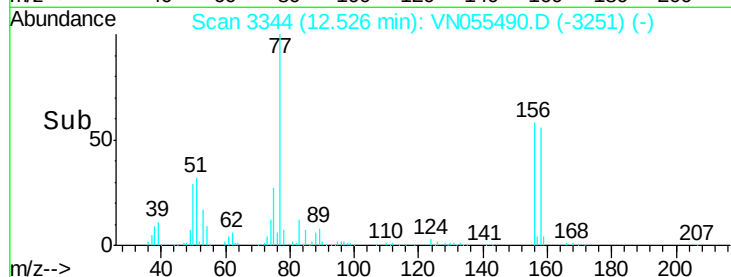
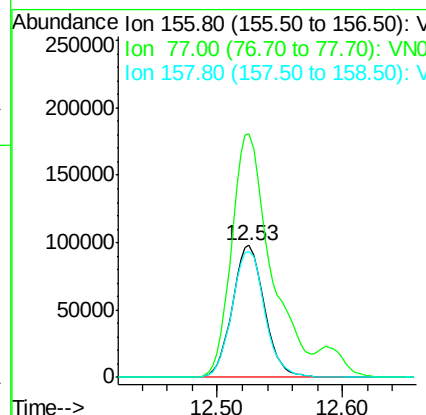
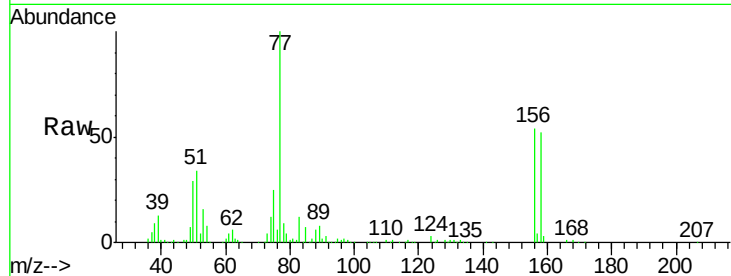
ClientSampleId :

VN0509MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.4	115.4	346.2
158	97.3	48.7	146.1

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#78

n-propylbenzene

Concen: 19.949 ug/l

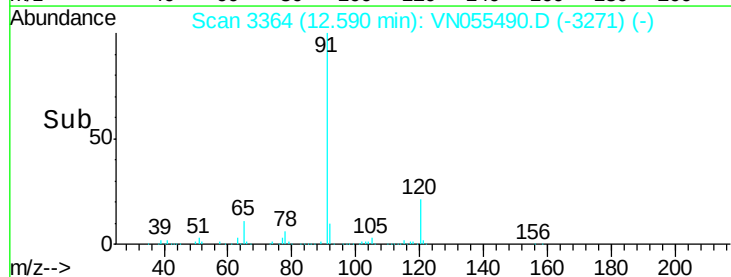
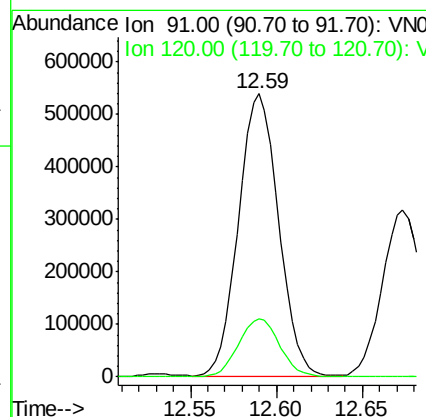
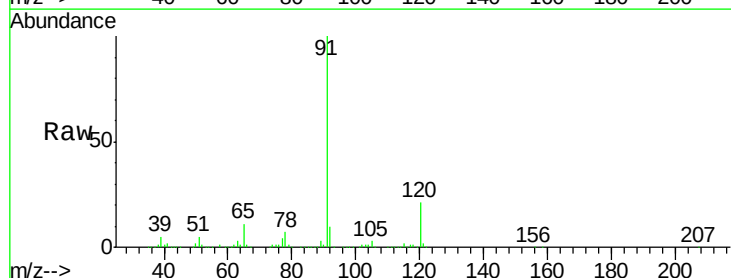
RT: 12.59 min Scan# 3364

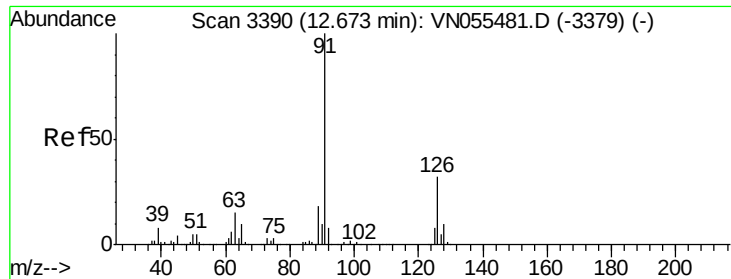
Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.8	32.3





#79

2-Chlorotoluene

Concen: 19.521 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

Tot Ion: 91 Resp: 529643

Ion Ratio Lower Upper

91 100

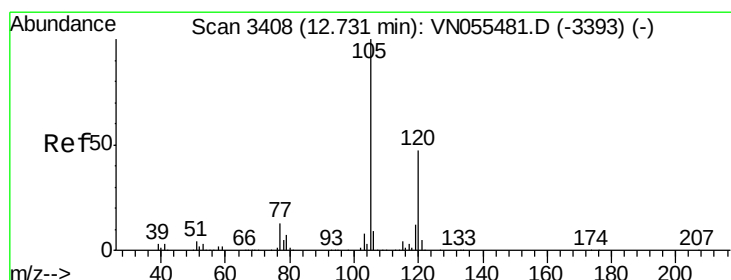
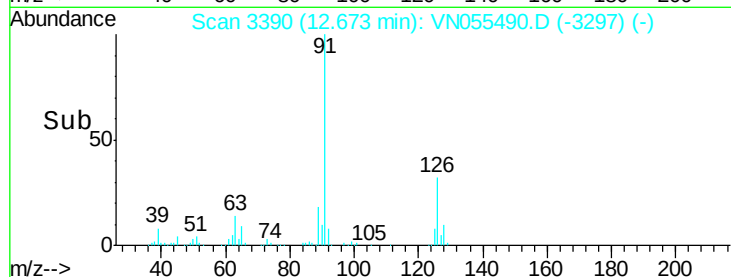
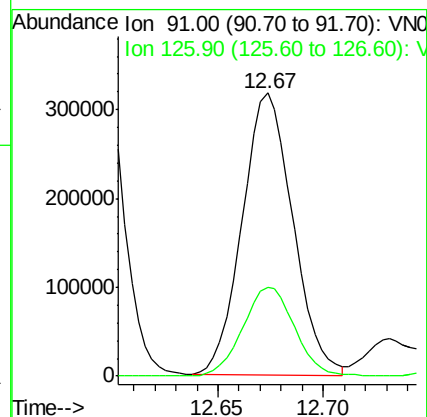
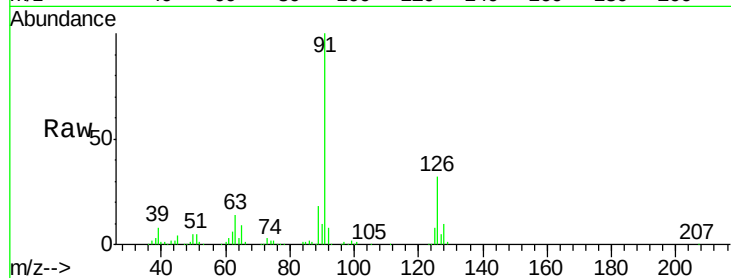
126 32.3 16.0 47.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.937 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055490.D

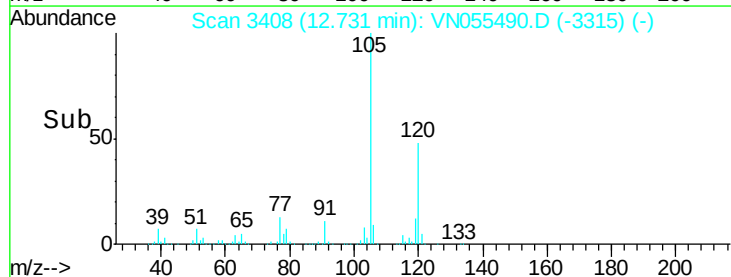
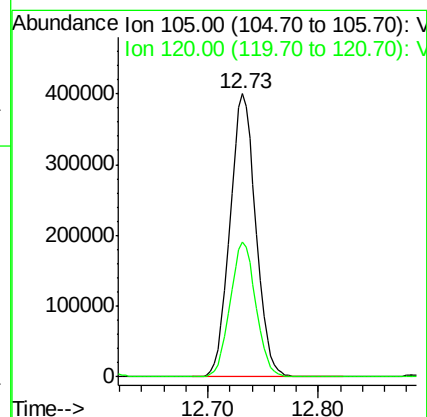
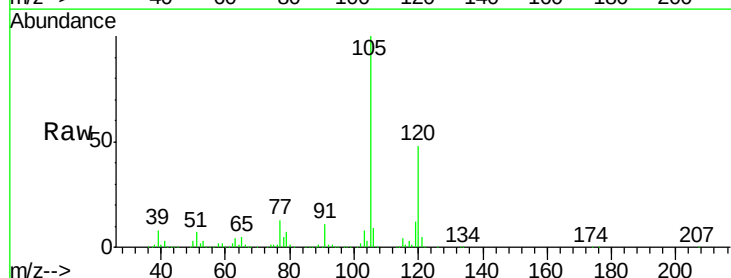
Acq: 9 May 2019 12:18

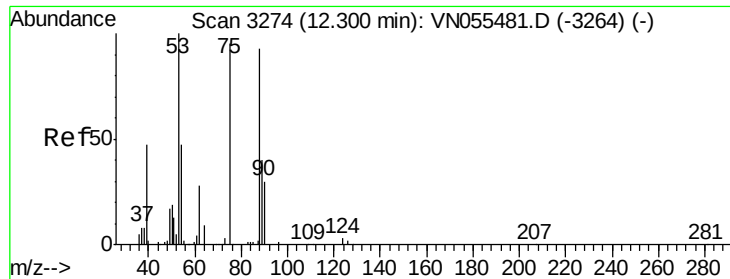
Tgt Ion: 105 Resp: 647199

Ion Ratio Lower Upper

105 100

120 47.6 23.4 70.0





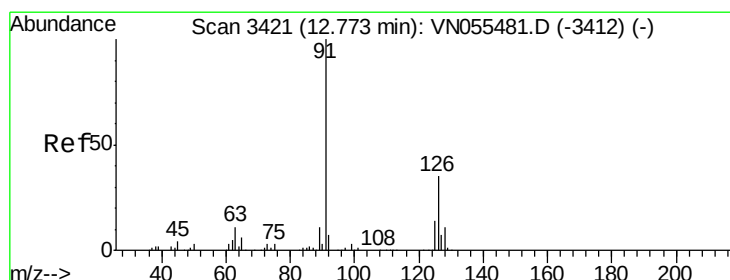
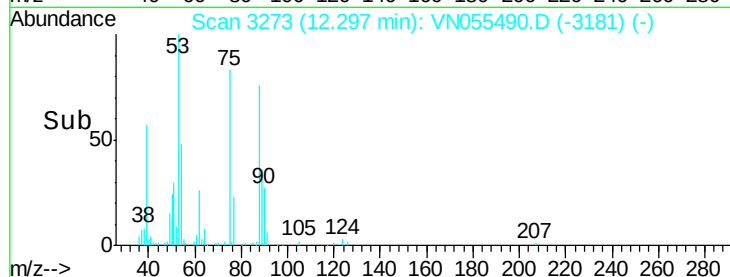
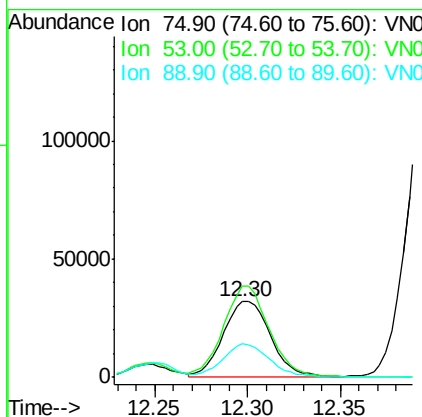
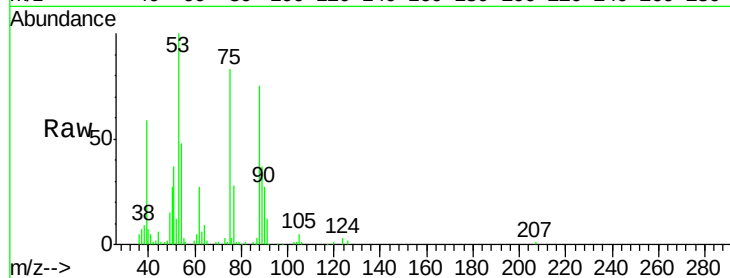
#81
trans-1,4-Dichloro-2-butene
Concen: 18.556 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0509MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.7	86.5	129.7
89	45.4	35.7	53.5

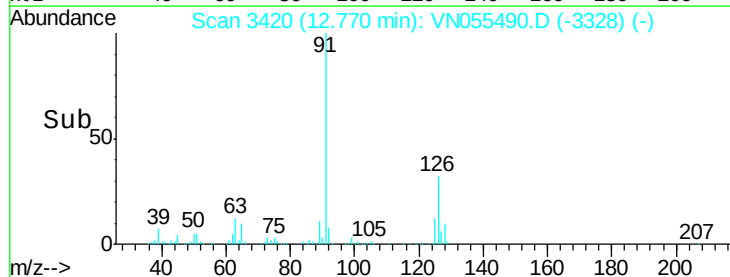
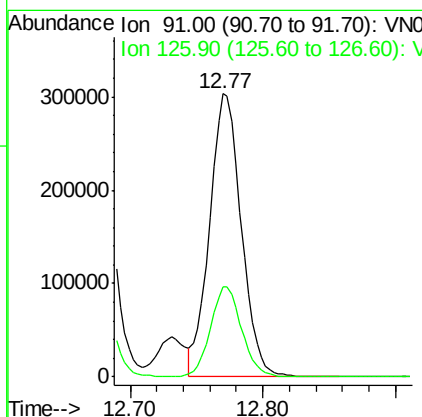
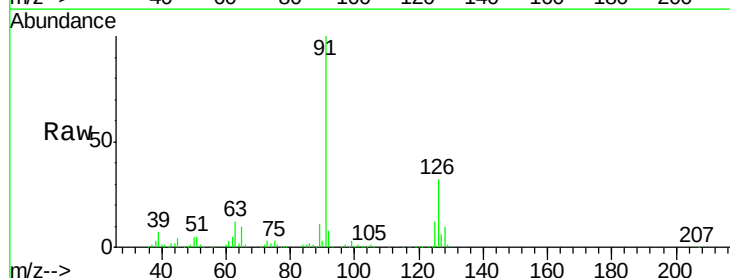
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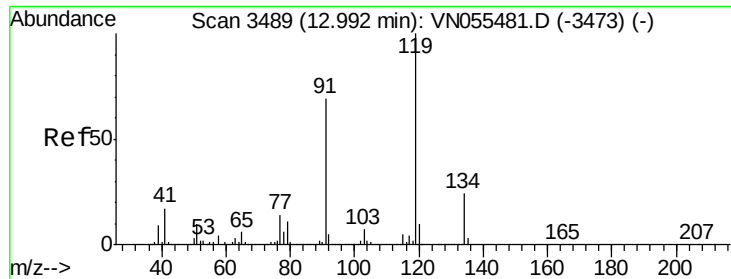
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.555 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.0





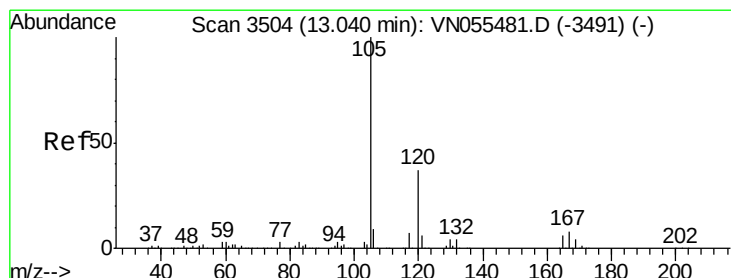
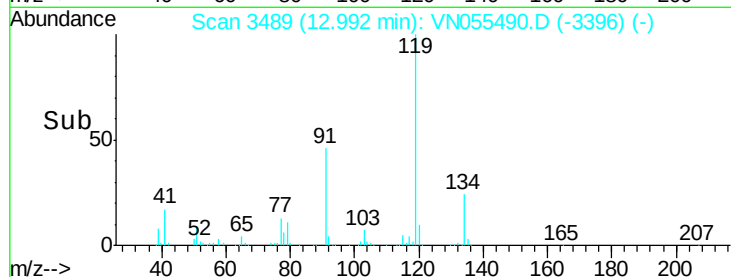
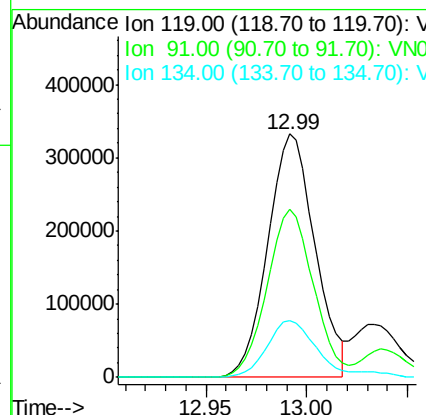
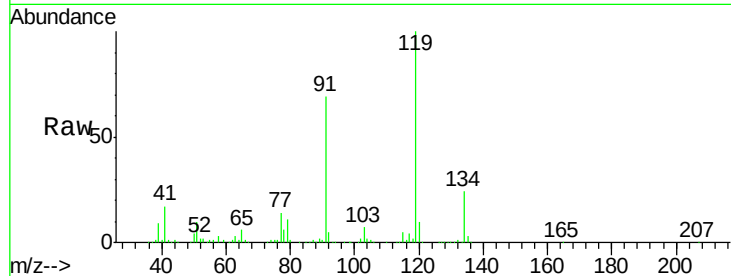
#83
tert-Butylbenzene
Concen: 19.431 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0509MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	33.8	101.3
134	25.5	12.5	37.5

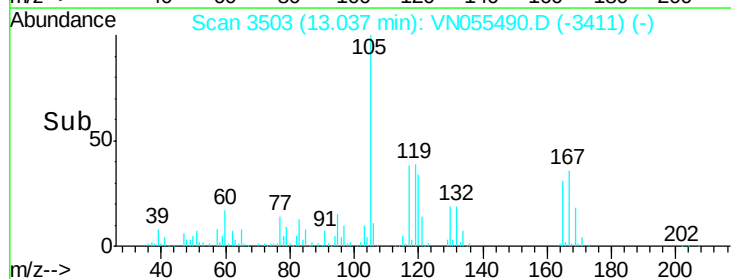
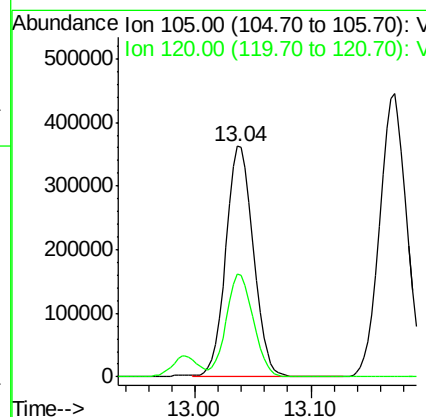
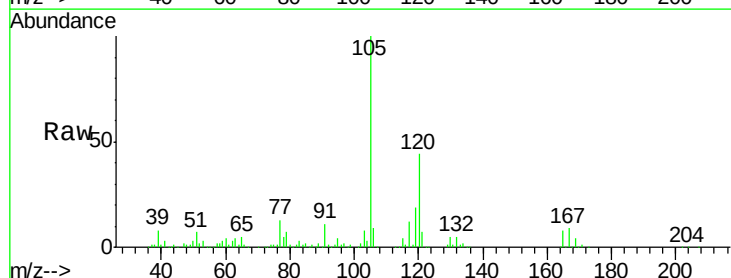
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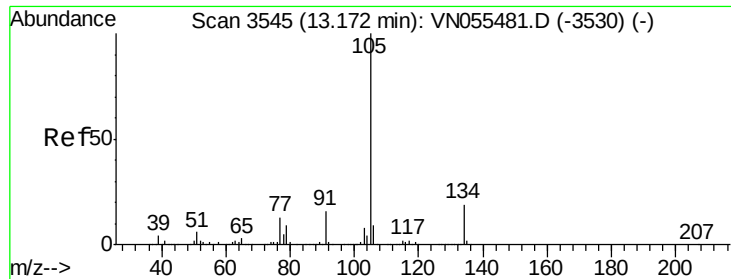
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#84
1,2,4-Trimethylbenzene
Concen: 19.986 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.605 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0509MBS01

Tot Ion:105 Resp: 724995

Ion Ratio Lower Upper

105 100

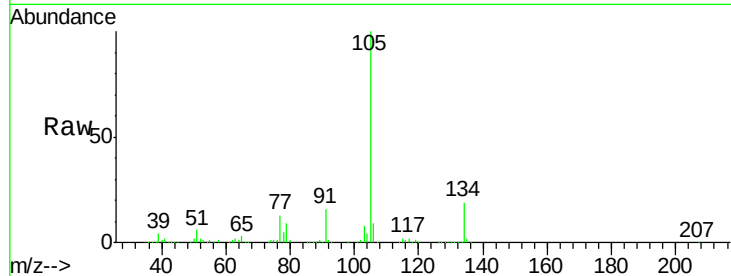
134 19.0 9.3 28.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

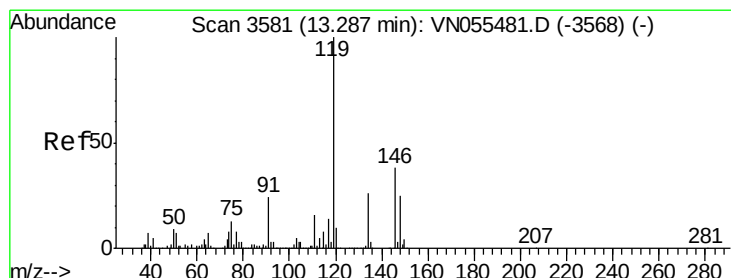
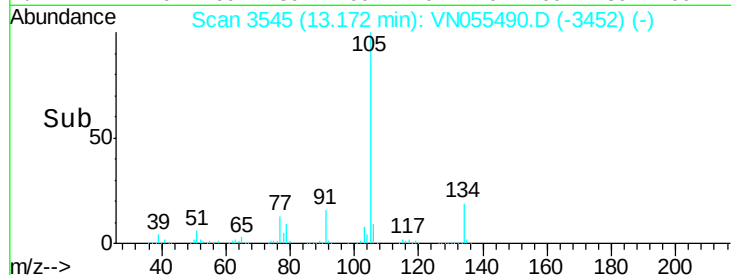
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.892 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

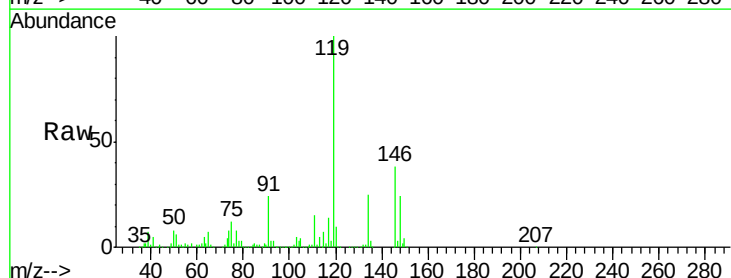
Tgt Ion:119 Resp: 598667

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 24.3 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

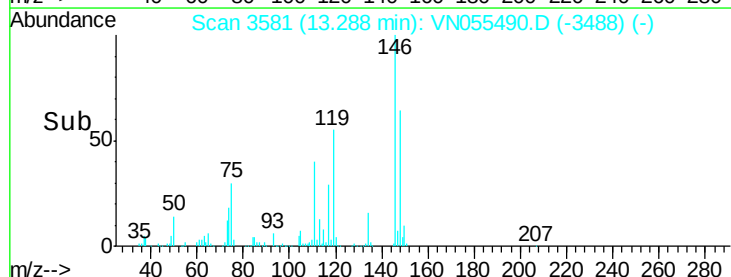
300000

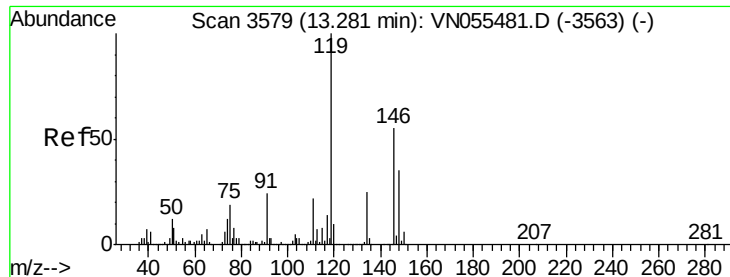
200000

100000

0

Time-->





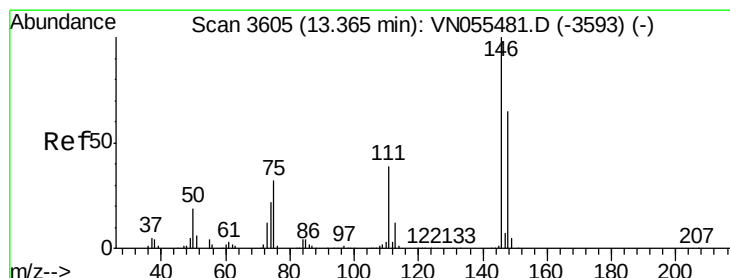
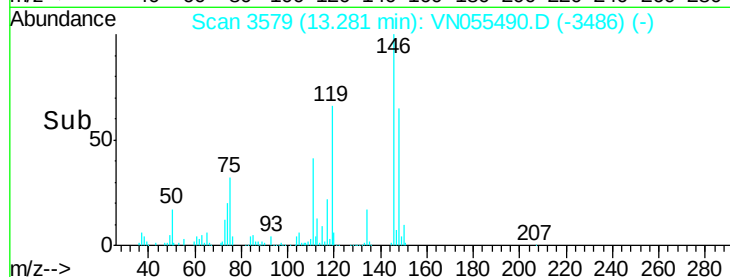
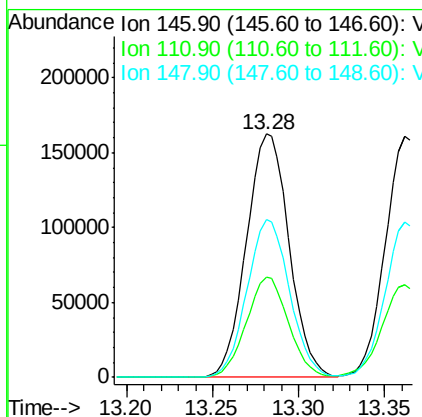
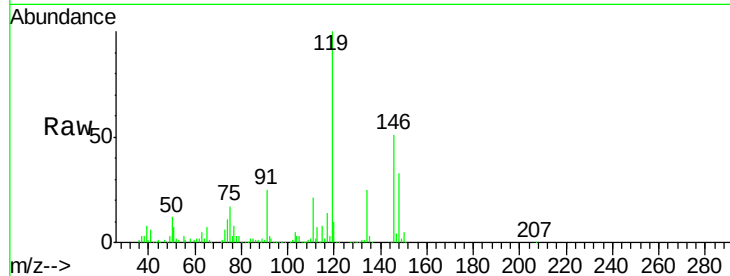
#87
 1,3-Dichlorobenzene
 Concen: 20.244 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	279825		
111	40.5	20.4	61.3	
148	64.5	32.1	96.5	

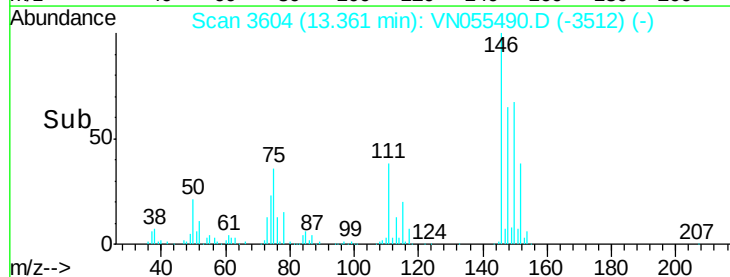
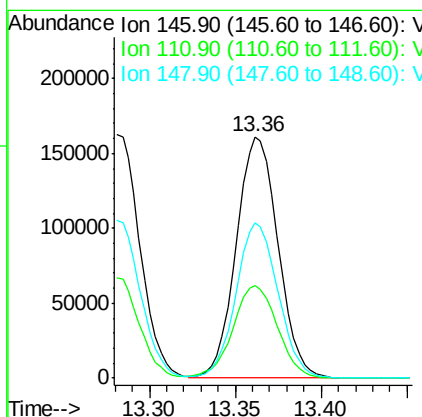
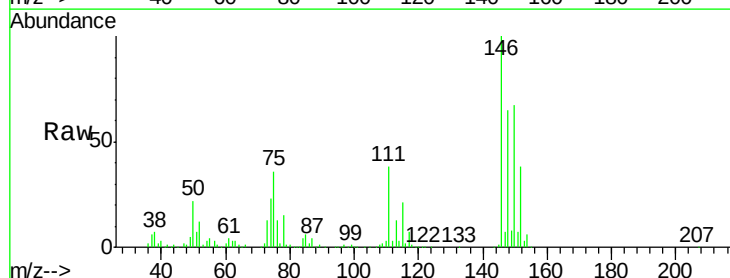
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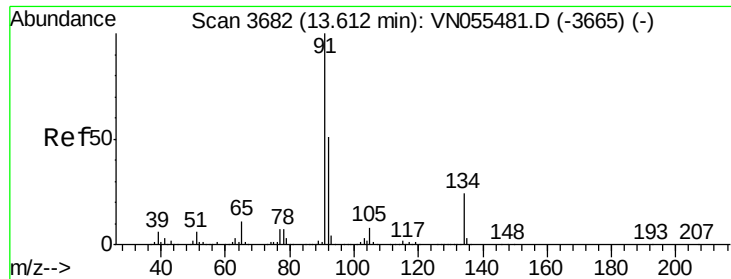
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 5/10/2019 12:43:34 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.885 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	271256		
111	40.8	19.6	58.8	
148	65.4	32.5	97.4	





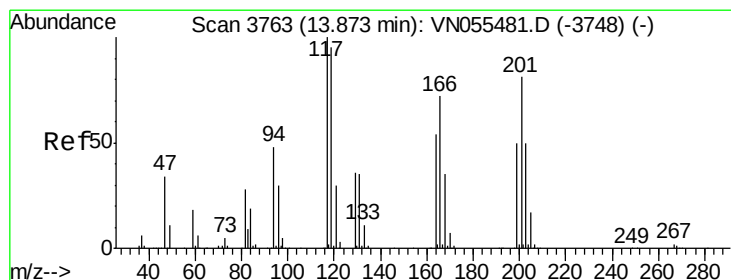
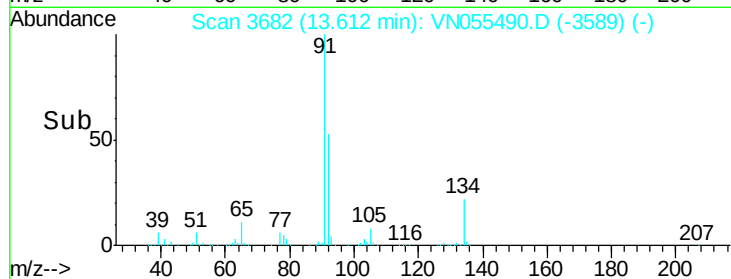
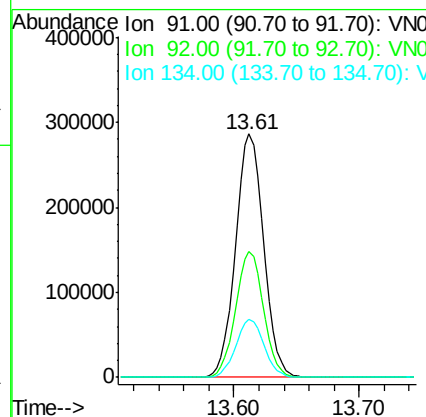
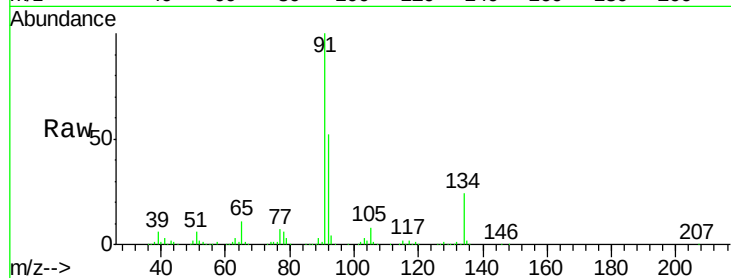
#89
n-Butylbenzene
Concen: 19.058 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.9	77.7
134	23.8	11.8	35.4

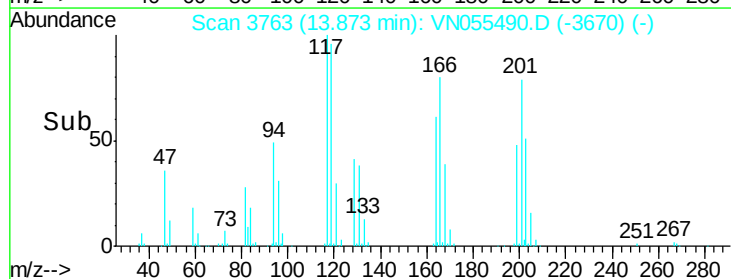
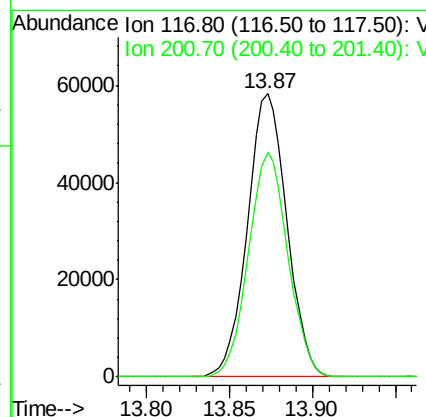
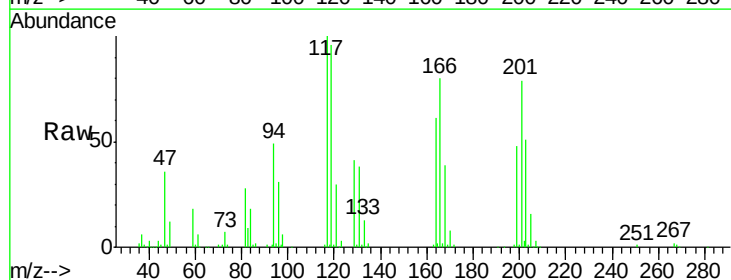
Manual Integrations
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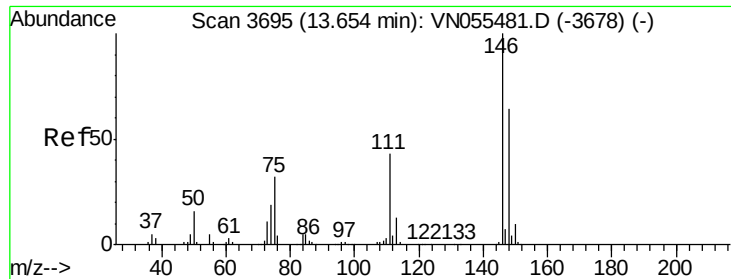
MMDadoda
5/10/2019 12:43:34 PM



#90
Hexachloroethane
Concen: 19.590 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	40.1	120.2





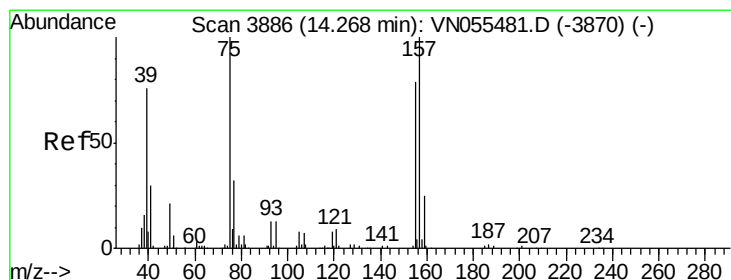
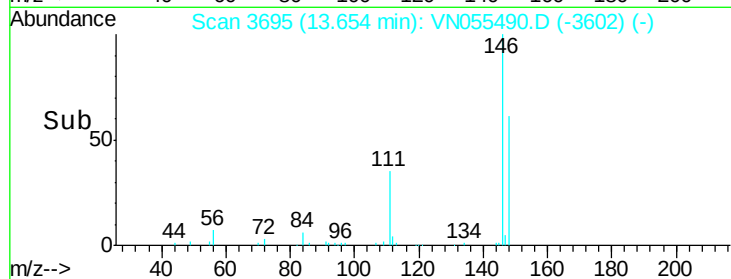
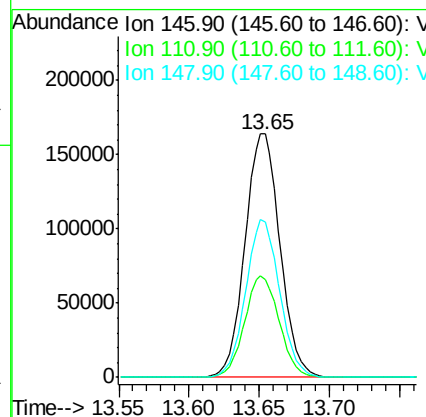
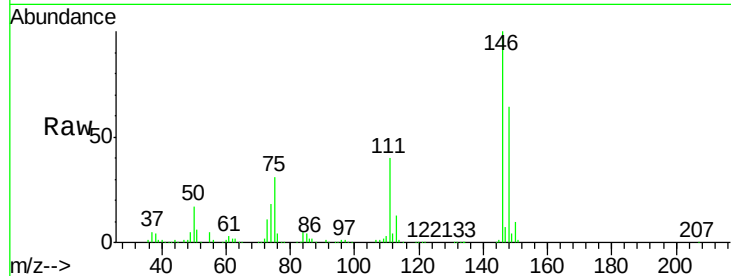
#91
 1,2-Dichlorobenzene
 Concen: 20.616 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.3	63.7
148	62.9	31.9	95.9

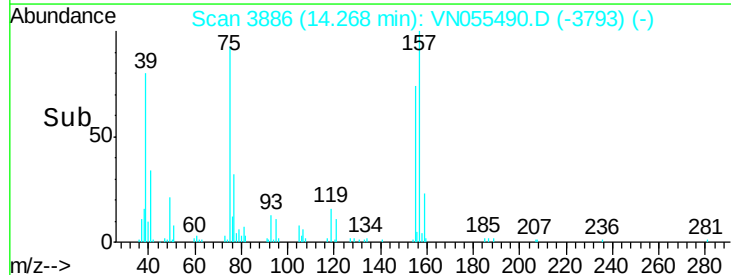
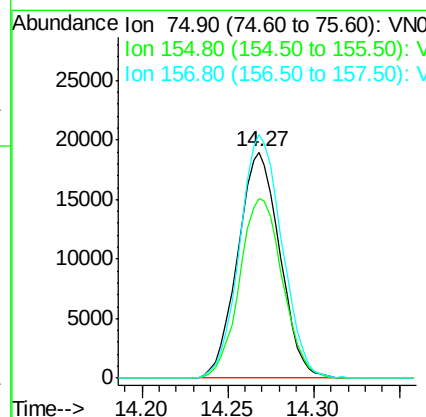
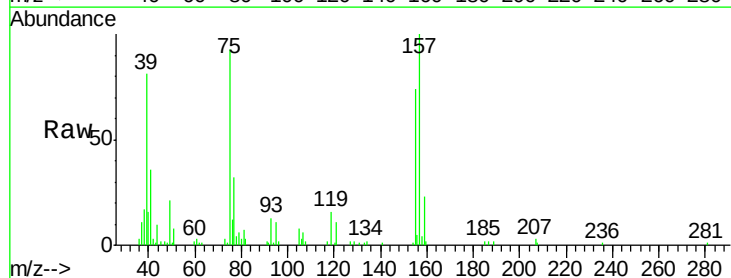
Manual Integrations
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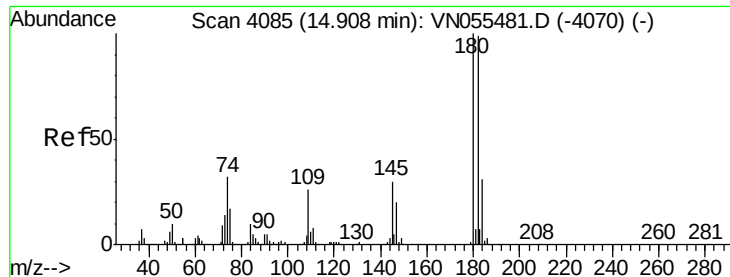
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.301 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	39.3	117.8
157	108.4	50.6	151.8





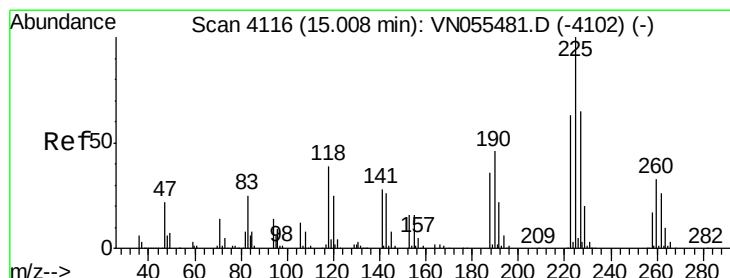
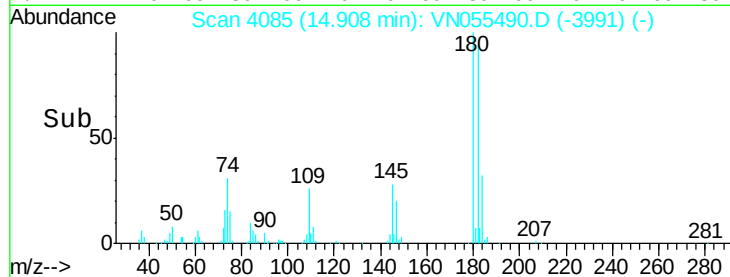
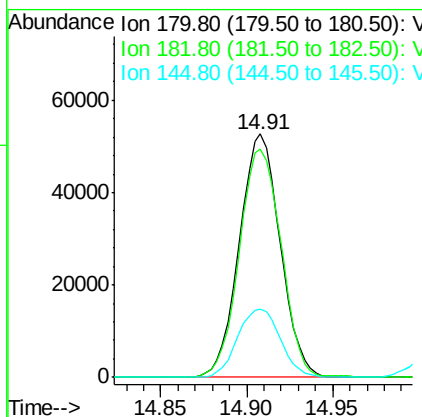
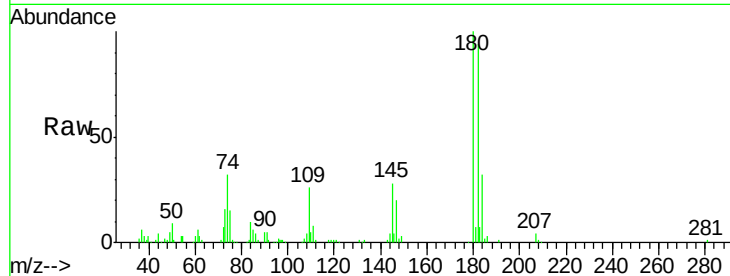
#93
 1,2,4-Trichlorobenzene
 Concen: 16.741 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	87000		
182	96.0	48.7	146.1	
145	29.4	15.3	45.9	

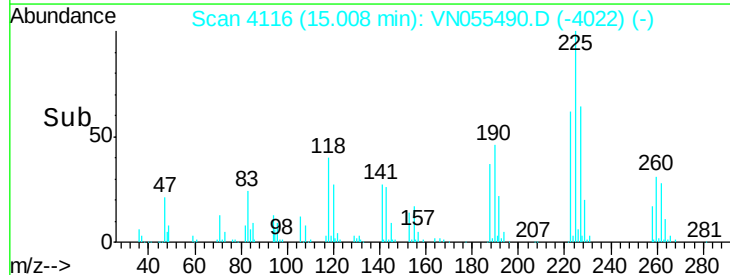
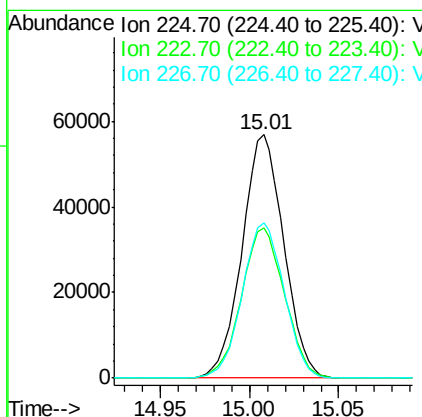
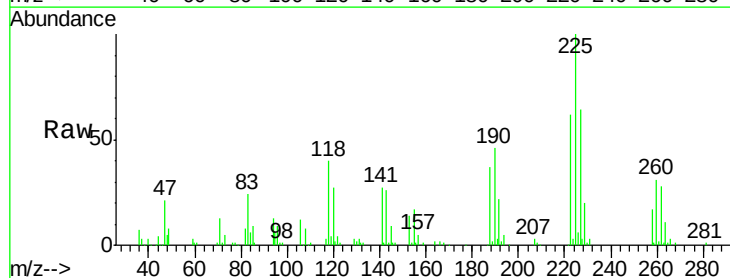
Manual Integrations
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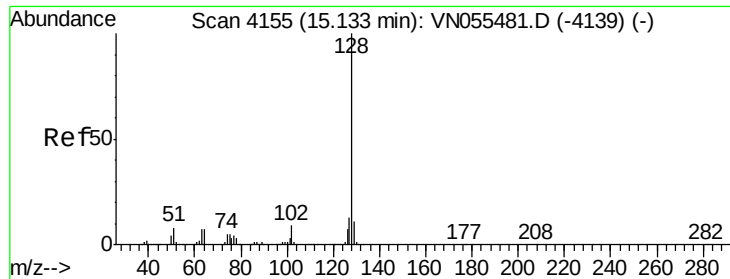
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#94
 Hexachlorobutadiene
 Concen: 21.468 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93202		
223	63.4	31.4	94.3	
227	64.0	32.0	96.0	





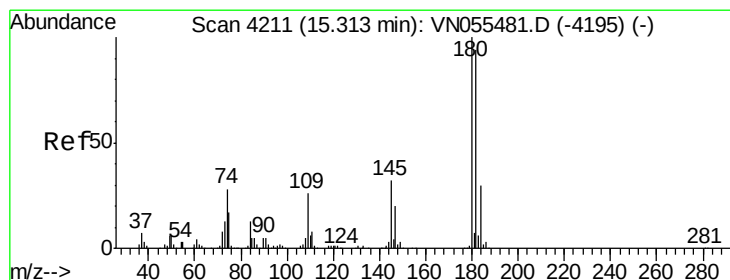
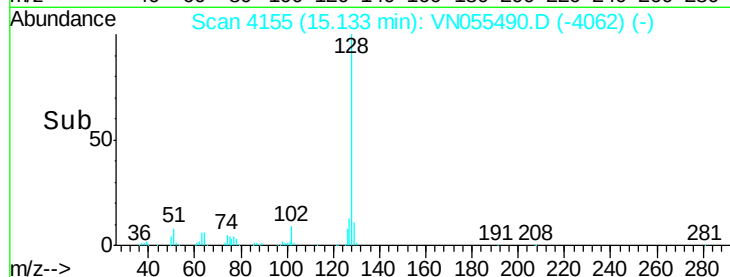
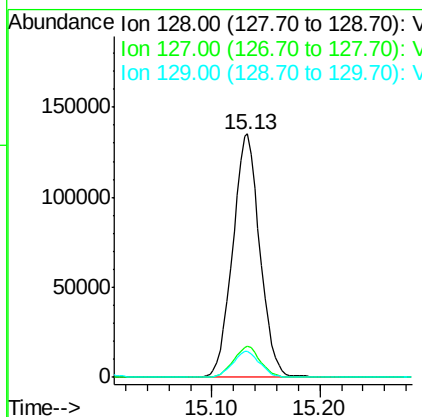
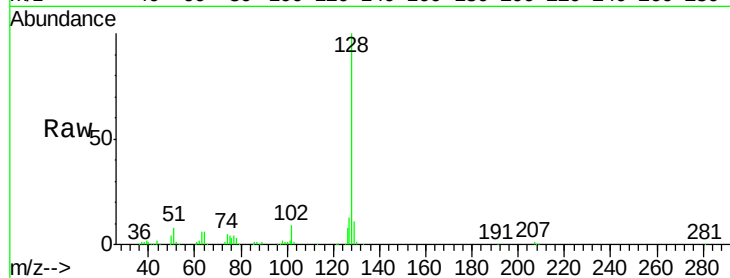
#95
Naphthalene
Concen: 16.096 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	10.6	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 16.856 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	32.7	15.8	47.4

