

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055534.D
 Acq On : 10 May 2019 7:29
 Operator : JC/SP
 Sample : VN0509WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:44:31 PM

Quant Time: May 10 09:46:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	657713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1193744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1027744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	390200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	504917	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	7.59	113	401858	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
50) Toluene-d8	10.09	98	1514015	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	492261	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	129340	19.315	ug/l	99
3) Chloromethane	2.06	50	219099	20.140	ug/l	98
4) Vinyl Chloride	2.19	62	208977	20.350	ug/l	100
5) Bromomethane	2.54	94	125088	22.232	ug/l	95
6) Chloroethane	2.69	64	129903	21.717	ug/l	100
7) Trichlorofluoromethane	3.01	101	237006	21.038	ug/l	99
8) Diethyl Ether	3.41	74	106615	21.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	141933	19.802	ug/l	98
10) Methyl Iodide	3.95	142	187317	19.336	ug/l	99
11) Tert butyl alcohol	4.81	59	137314	93.910	ug/l	99
12) 1,1-Dichloroethene	3.73	96	152459	21.209	ug/l	97
13) Acrolein	3.61	56	87810	90.108	ug/l	99
14) Allyl chloride	4.32	41	289699	19.674	ug/l	100
15) Acrylonitrile	5.00	53	443258	97.901	ug/l	100
16) Acetone	3.82	43	363020	79.169	ug/l	99
17) Carbon Disulfide	4.05	76	402218	20.501	ug/l	99
18) Methyl Acetate	4.33	43	198459	19.960	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	499763	20.923	ug/l	96
20) Methylene Chloride	4.55	84	190931	20.363	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	166459	21.358	ug/l	94
22) Diisopropyl ether	5.96	45	631037	21.088	ug/l	96
23) Vinyl Acetate	5.90	43	2324887	100.464	ug/l	99
24) 1,1-Dichloroethane	5.85	63	339887	21.042	ug/l	100
25) 2-Butanone	6.84	43	573853	90.597	ug/l	98
26) 2,2-Dichloropropane	6.82	77	146903	14.589	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	195484	21.703	ug/l	95
28) Bromochloromethane	7.19	49	186423	22.223	ug/l	95
29) Tetrahydrofuran	7.22	42	397717	94.980	ug/l	99
30) Chloroform	7.37	83	318698	21.342	ug/l	99
31) Cyclohexane	7.65	56	314612	19.685	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	244972	21.543	ug/l	99
36) 1,1-Dichloropropene	7.79	75	235664	20.039	ug/l	98
37) Ethyl Acetate	6.93	43	238375	18.581	ug/l	100
38) Carbon Tetrachloride	7.77	117	196593	19.852	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	262202	18.286	ug/l	98
40) Benzene	8.04	78	746001	20.439	ug/l	100
41) Methacrylonitrile	7.17	41	108393m	18.204	ug/l	
42) 1,2-Dichloroethane	8.12	62	256141	19.975	ug/l	100
43) Isopropyl Acetate	8.17	43	363032	18.627	ug/l #	88
44) Trichloroethene	8.84	130	178083	20.505	ug/l	95
45) 1,2-Dichloropropane	9.12	63	212071	20.307	ug/l	99
46) Dibromomethane	9.21	93	123780	20.448	ug/l	99
47) Bromodichloromethane	9.40	83	237104	20.474	ug/l	98
48) Methyl methacrylate	9.20	41	178201	18.977	ug/l	99
49) 1,4-Dioxane	9.20	88	69531	379.907	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1157082	90.269	ug/l	99
52) Toluene	10.16	92	423325	20.287	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	213399	19.187	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	258969	19.485	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	171950	20.338	ug/l	99
56) Ethyl methacrylate	10.43	69	241911	19.237	ug/l	99
57) 1,3-Dichloropropane	10.71	76	301611	20.095	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	311456	82.402	ug/l	100
59) 2-Hexanone	10.75	43	802480	89.269	ug/l	100
60) Dibromochloromethane	10.90	129	157053	20.432	ug/l	99
61) 1,2-Dibromoethane	11.00	107	165664	20.394	ug/l	98
64) Tetrachloroethene	10.63	164	171062	20.313	ug/l	97
65) Chlorobenzene	11.43	112	434505	20.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	152041	20.887	ug/l	97
67) Ethyl Benzene	11.51	91	785195	19.772	ug/l	100
68) m/p-Xylenes	11.62	106	571346	40.090	ug/l	100
69) o-Xylene	11.95	106	279823	19.977	ug/l	98
70) Styrene	11.96	104	465606	20.747	ug/l	100
71) Bromoform	12.12	173	98333	20.018	ug/l #	99
73) Isopropylbenzene	12.25	105	747260	21.813	ug/l	100
74) N-amyl acetate	12.07	43	284493	19.204	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	236672	21.216	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	202792m	19.091	ug/l	
77) Bromobenzene	12.53	156	171873	19.987	ug/l	96
78) n-propylbenzene	12.59	91	818158	19.549	ug/l	99
79) 2-Chlorotoluene	12.67	91	518959	19.897	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	627664	20.113	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	48159	16.729	ug/l	96
82) 4-Chlorotoluene	12.77	91	485315	19.692	ug/l	98
83) tert-Butylbenzene	12.99	119	526868	19.697	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	578690	20.220	ug/l	100
85) sec-Butylbenzene	13.17	105	691547	19.453	ug/l	99
86) p-Isopropyltoluene	13.29	119	555454	19.199	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	281625	21.194	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	268568	20.480	ug/l	98
89) n-Butylbenzene	13.61	91	401682	17.912	ug/l	100
90) Hexachloroethane	13.87	117	93525	19.817	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	280197	21.099	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33952	18.922	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	95893	18.726	ug/l	99
94) Hexachlorobutadiene	15.01	225	86351	20.603	ug/l	99
95) Naphthalene	15.13	128	285898	19.478	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	111233	19.326	ug/l	100

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

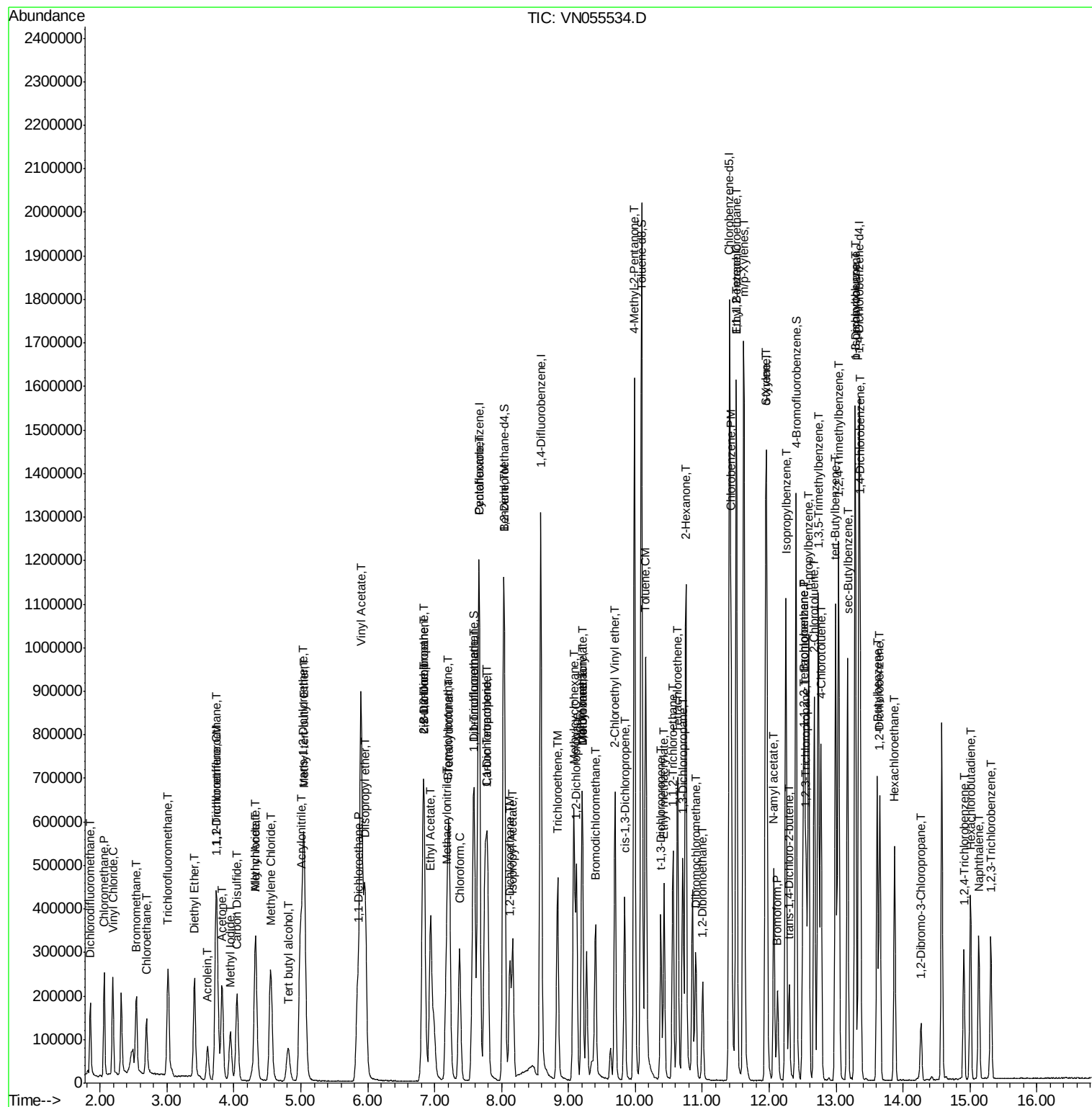
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050919\
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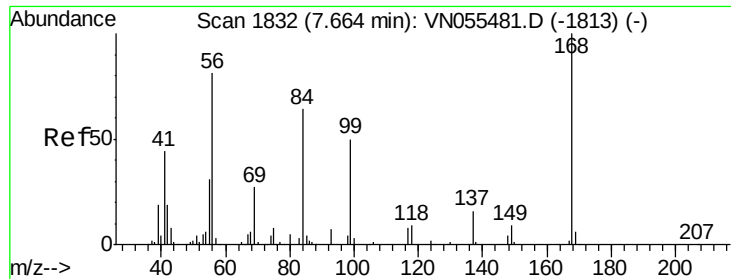
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD02

Tot Ion:168 Resp: 657713

Ion Ratio Lower Upper

168 100

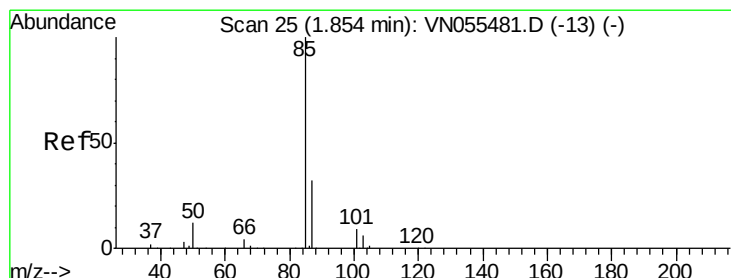
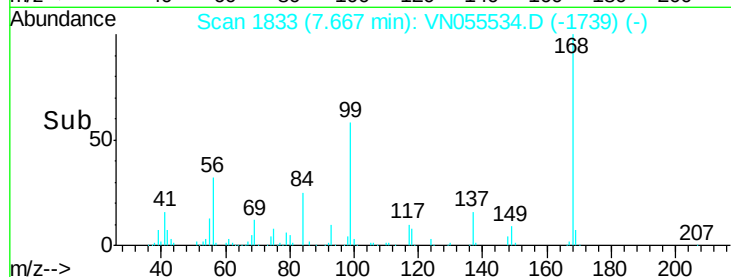
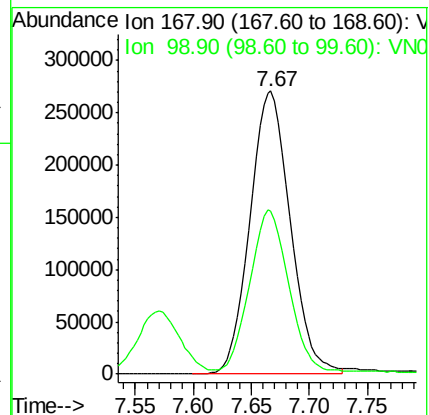
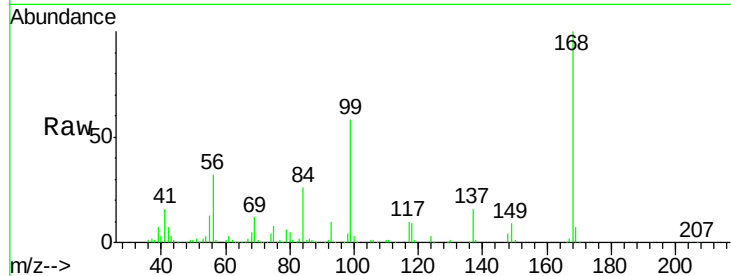
99 56.3 47.0 70.4

Manual Integrations

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MMDadoda

5/10/2019 12:44:31 PM



#2

Dichlorodifluoromethane

Concen: 19.315 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055534.D

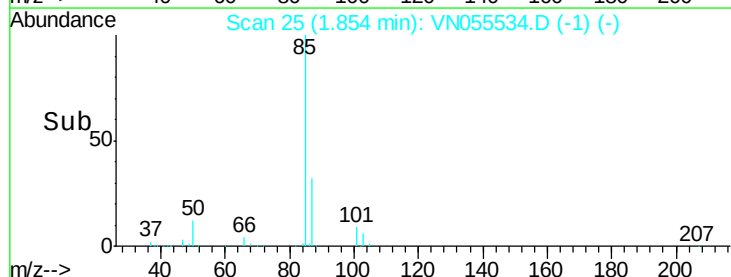
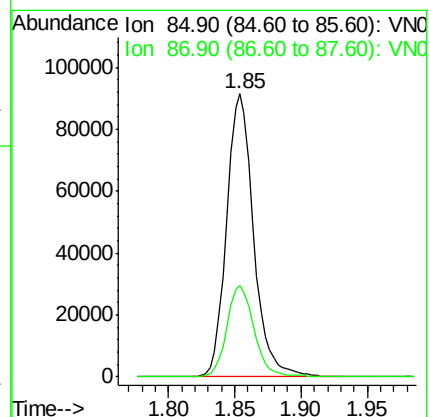
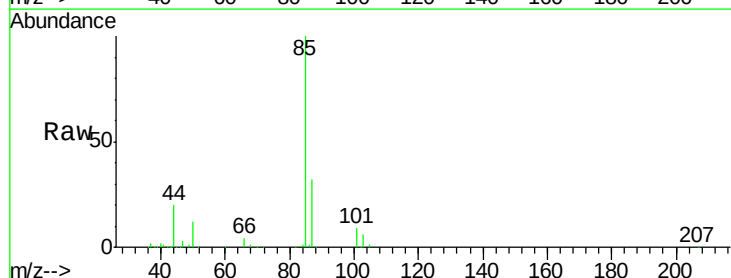
Acq: 10 May 2019 7:29

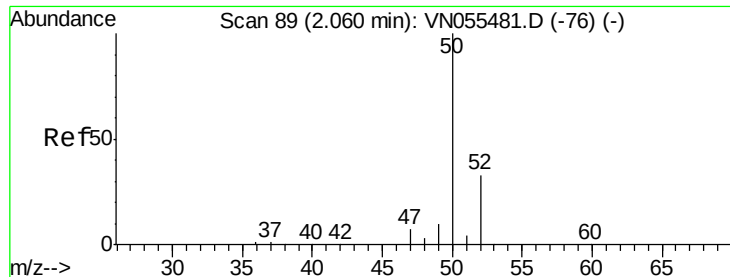
Tgt Ion: 85 Resp: 129340

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0





#3

Chloromethane

Concen: 20.140 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD02

Tot Ion: 50 Resp: 219099

Ion Ratio Lower Upper

50 100

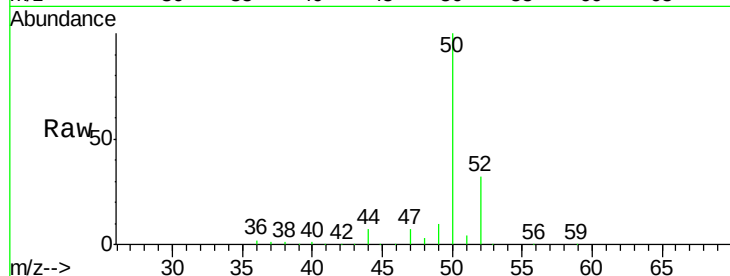
52 32.3 26.6 39.8

Manual Integrations

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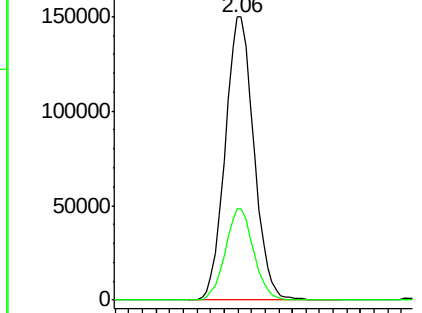
MMDadoda

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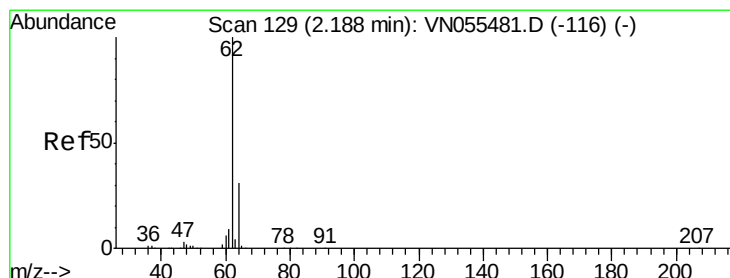
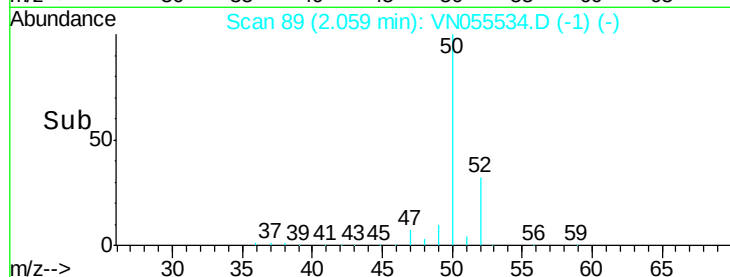


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 20.350 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055534.D

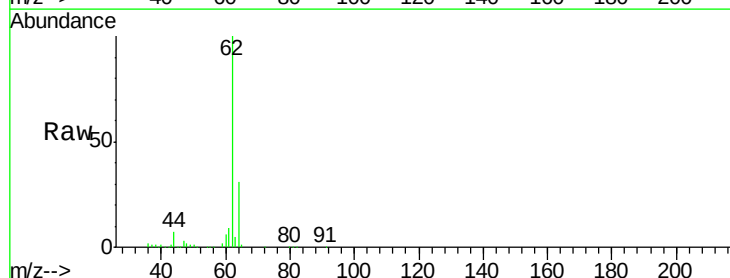
Acq: 10 May 2019 7:29

Tgt Ion: 62 Resp: 208977

Ion Ratio Lower Upper

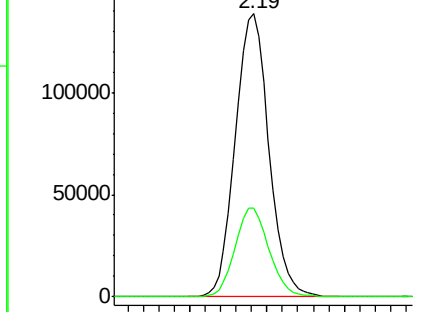
62 100

64 31.3 25.0 37.6

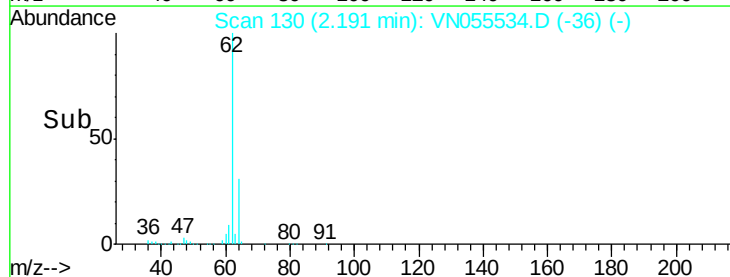


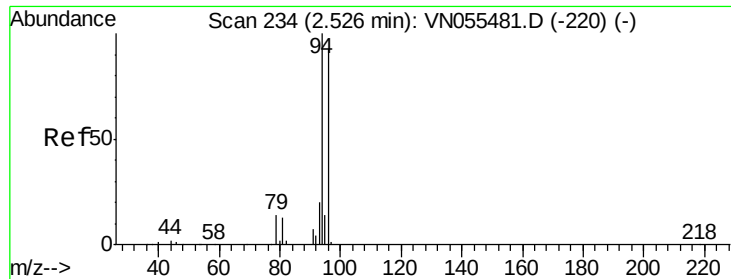
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 22.232 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

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Tot Ion: 94 Resp: 125088

Ion Ratio Lower Upper

94 100

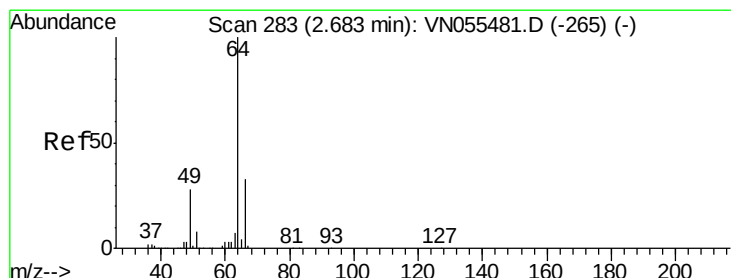
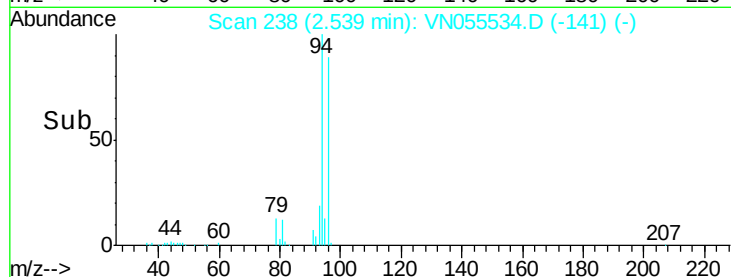
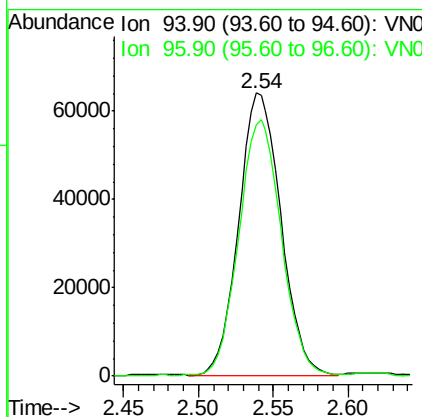
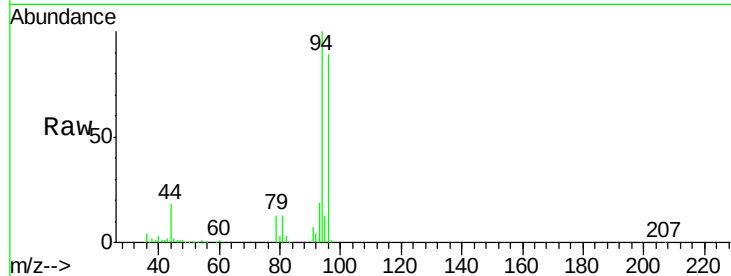
96 88.9 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 21.717 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055534.D

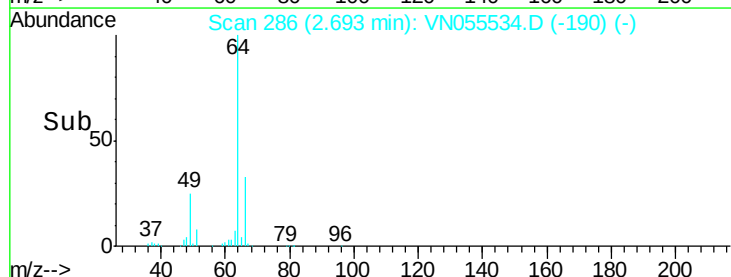
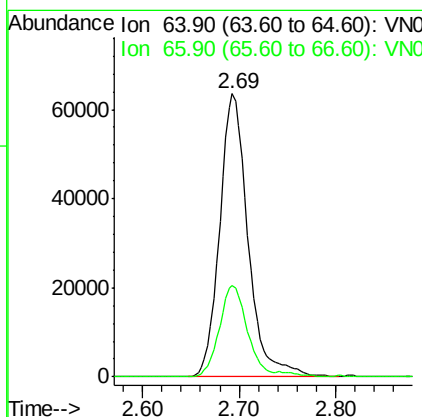
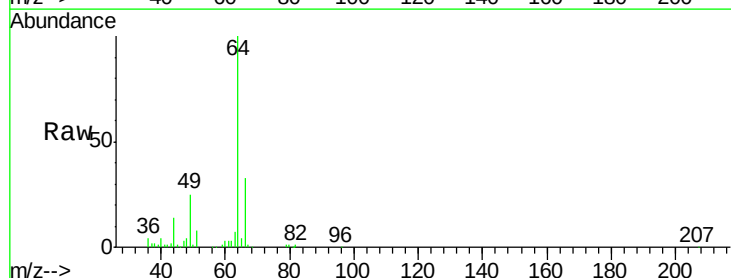
Acq: 10 May 2019 7:29

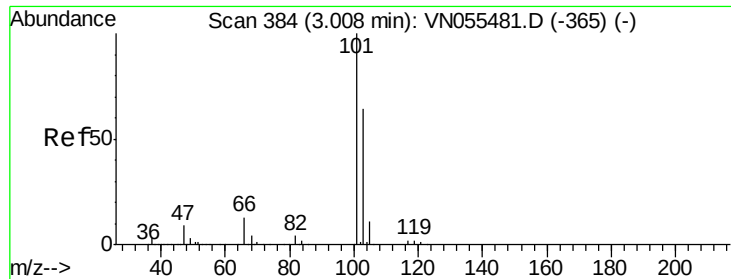
Tgt Ion: 64 Resp: 129903

Ion Ratio Lower Upper

64 100

66 32.5 26.2 39.2





#7

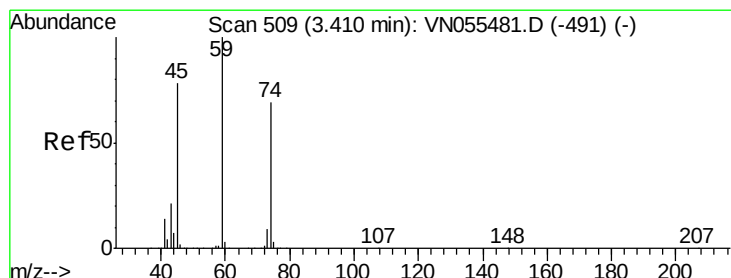
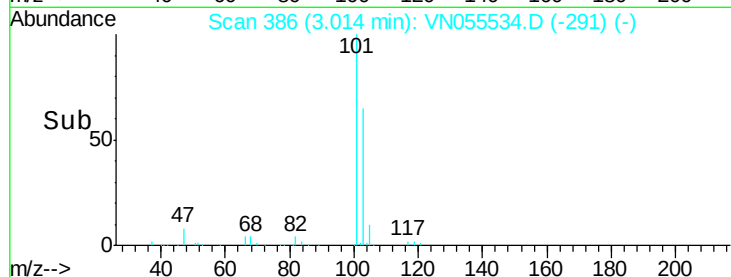
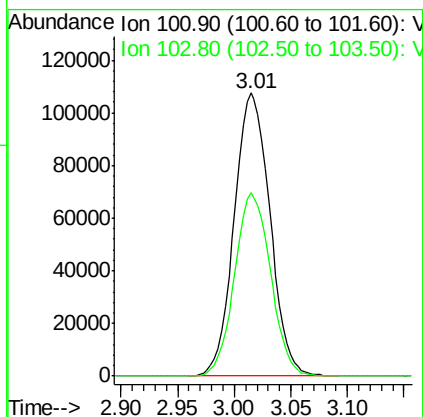
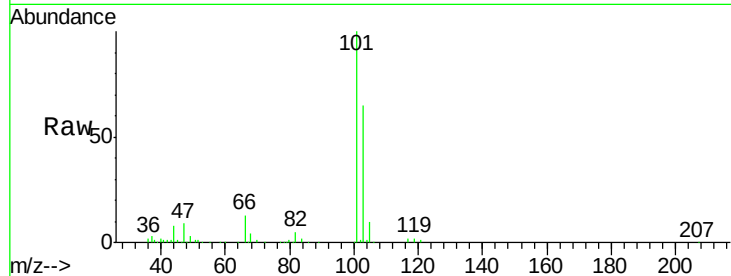
Trichlorofluoromethane
 Concen: 21.038 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.2	76.8

Manual Integrations
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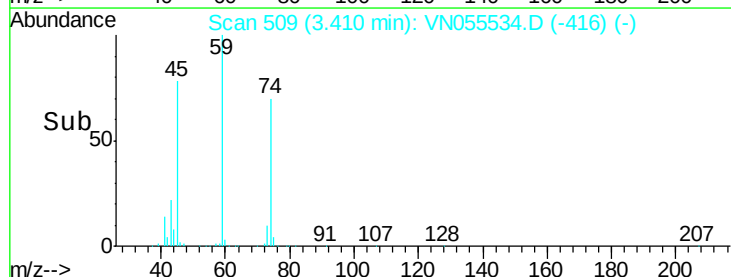
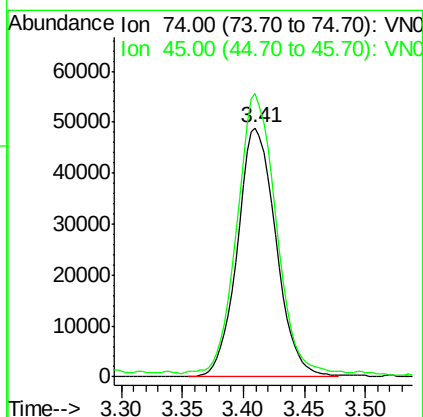
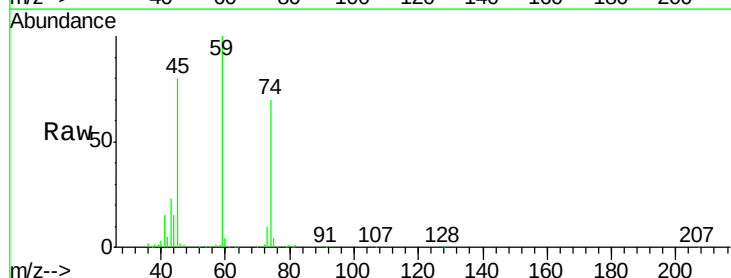
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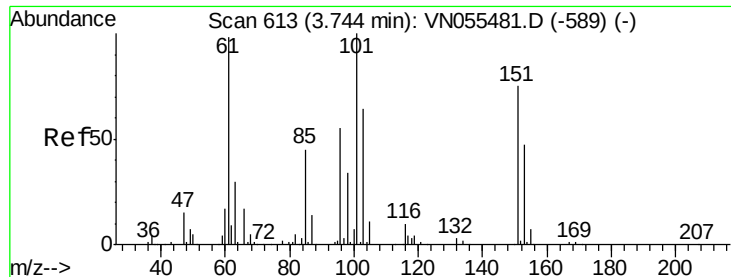


#8

Diethyl Ether
 Concen: 21.072 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.9	58.1	174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.802 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

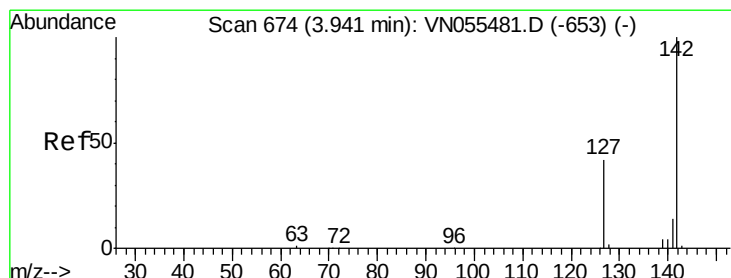
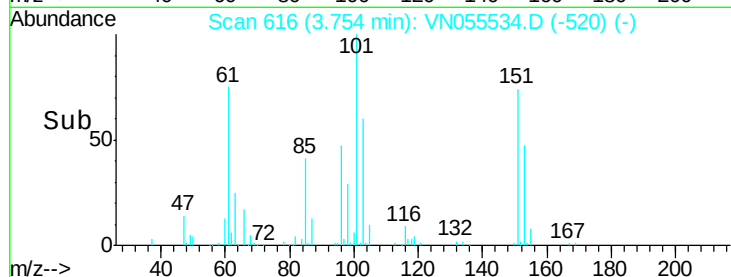
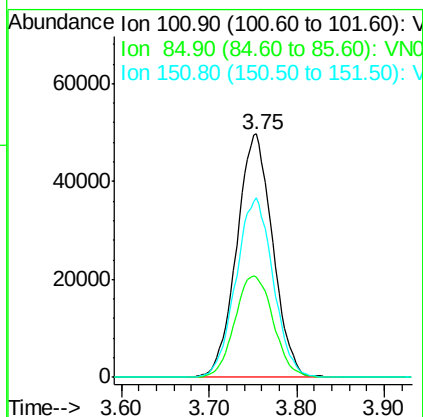
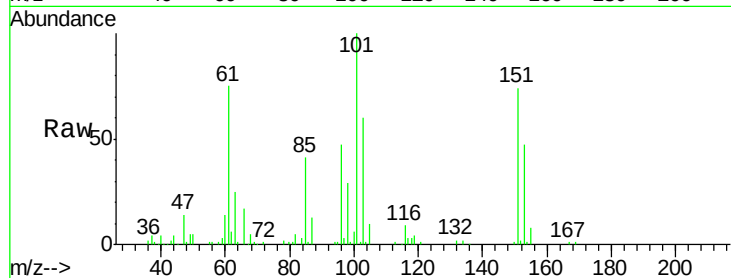
ClientSampleId :

VN0509WBSD02

Tot Ion:	101	Resp:	141933
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.5	53.3
151	76.0	59.2	88.8

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#10

Methyl Iodide

Concen: 19.336 ug/l

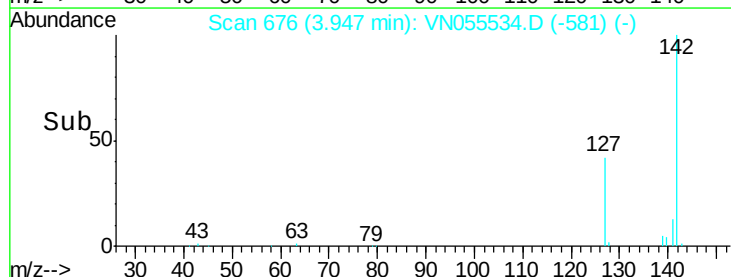
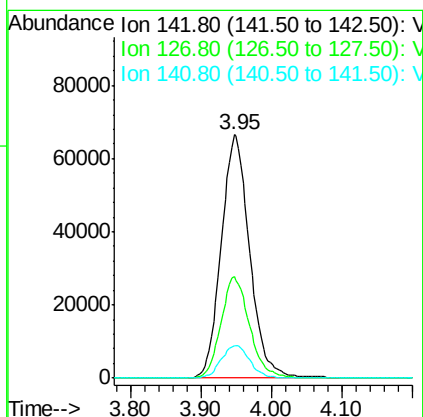
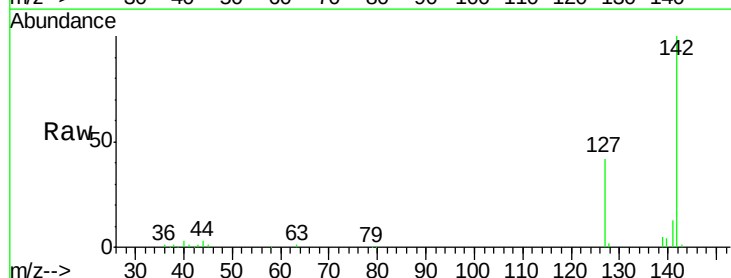
RT: 3.95 min Scan# 676

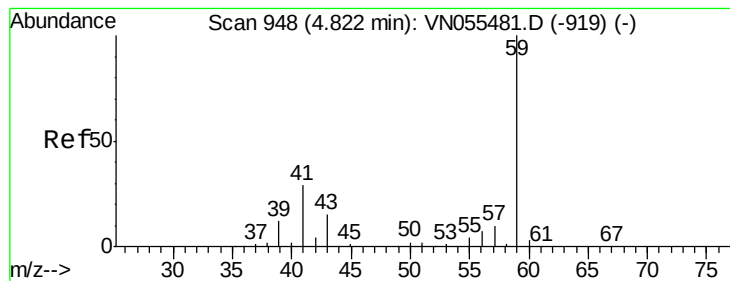
Delta R.T. 0.01 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Tgt Ion:	142	Resp:	187317
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.0	49.4
141	13.6	11.4	17.0





#11

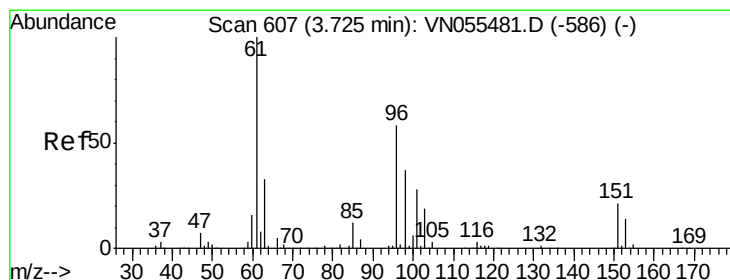
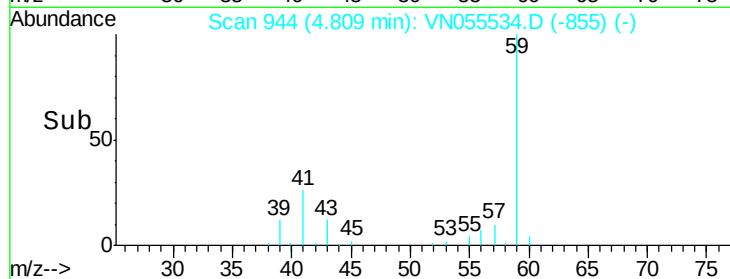
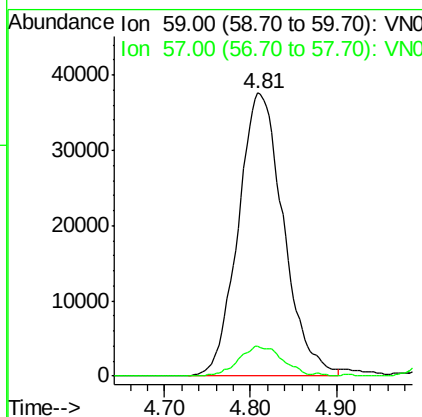
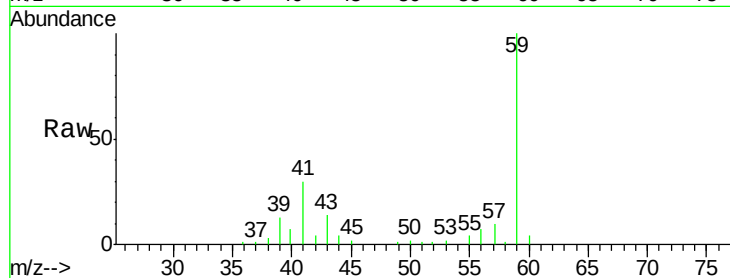
Tert butyl alcohol
Concen: 93.910 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.01 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampled :
VN0509WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	137314		
57	57	10.2		8.0	12.0

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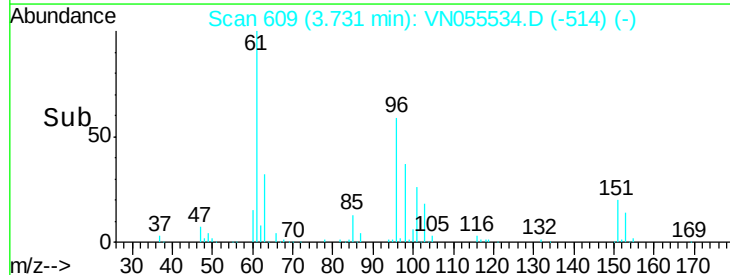
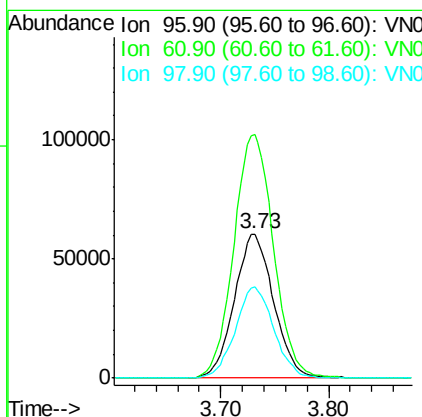
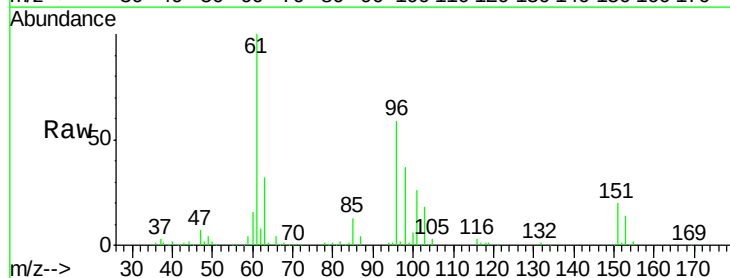
MMDadoda
5/10/2019 12:44:31 PM

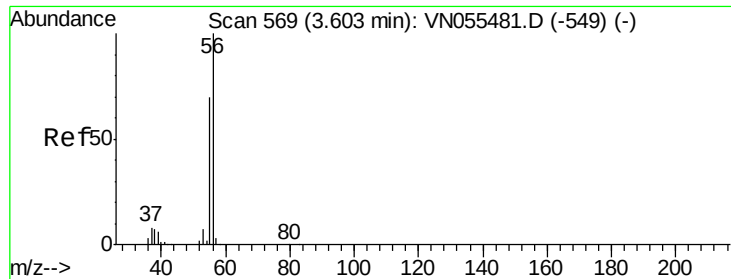


#12

1,1-Dichloroethene
Concen: 21.209 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.01 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	152459		
61	61	168.8		138.7	208.1
98	98	62.9		50.6	76.0





#13

Acrolein

Concen: 90.108 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD02

Tot Ion: 56 Resp: 87810

Ion Ratio Lower Upper

56 100

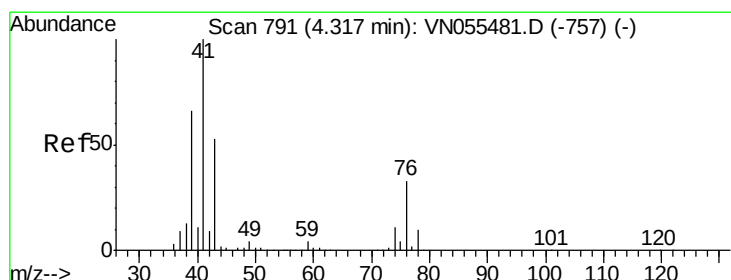
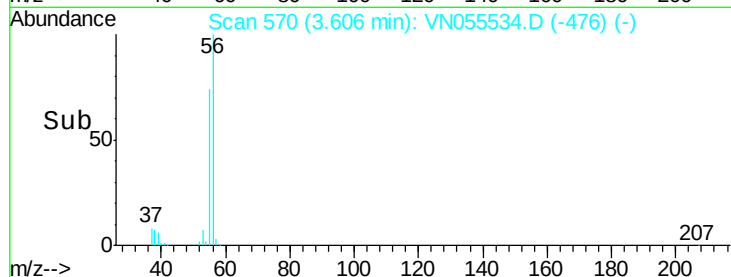
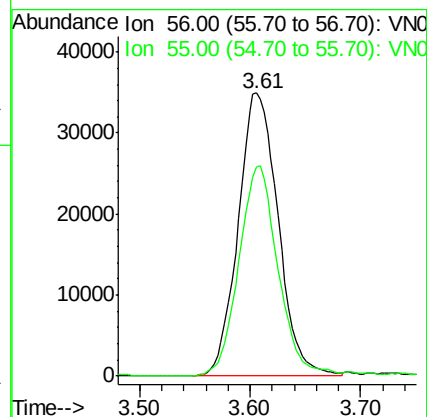
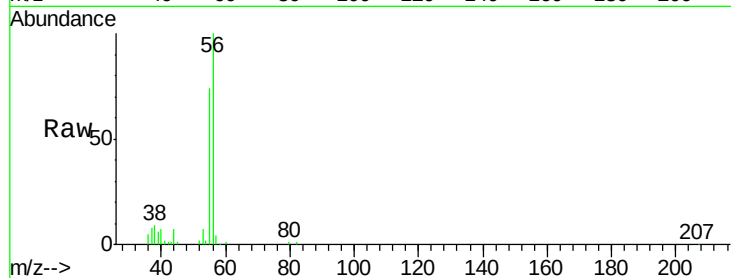
55 72.6 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.674 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

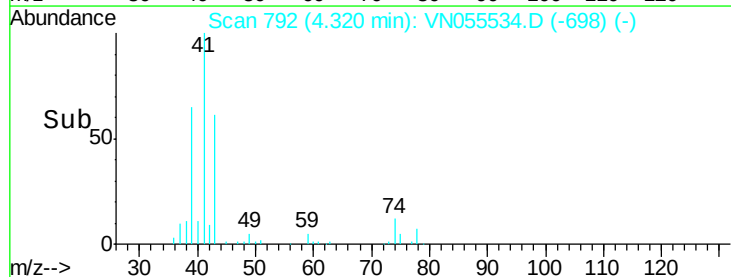
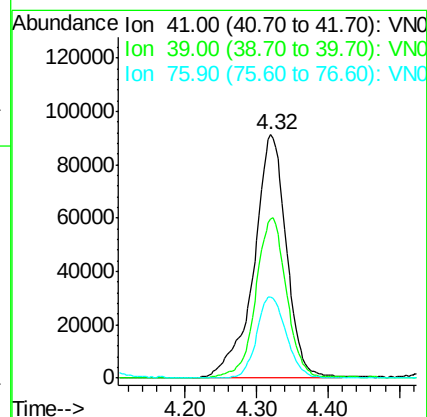
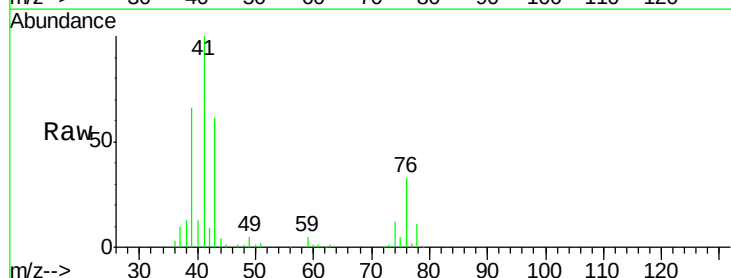
Tgt Ion: 41 Resp: 289699

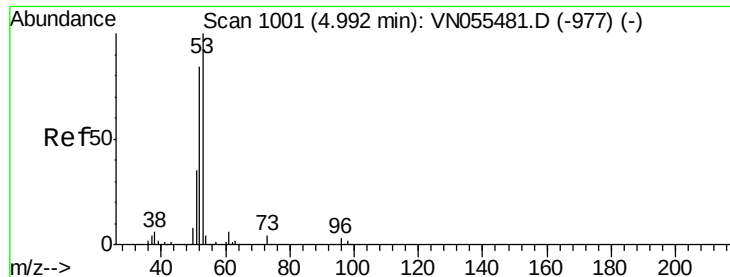
Ion Ratio Lower Upper

41 100

39 62.3 49.8 74.8

76 30.1 23.5 35.3





#15

Acrylonitrile

Concen: 97.901 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

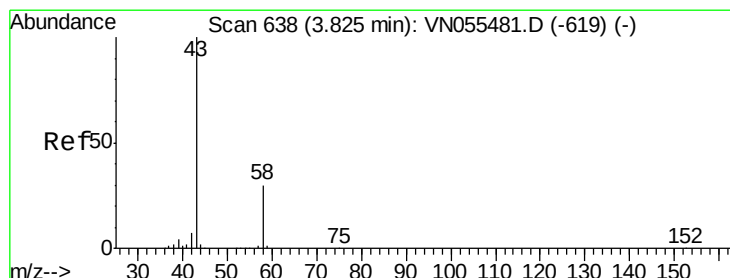
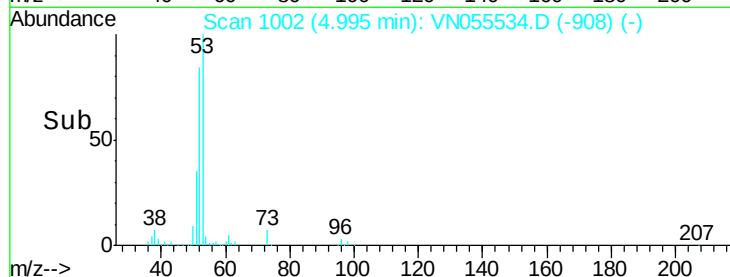
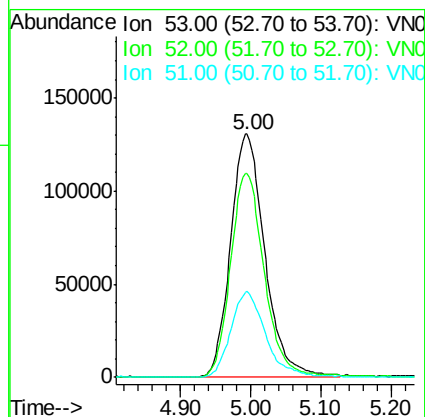
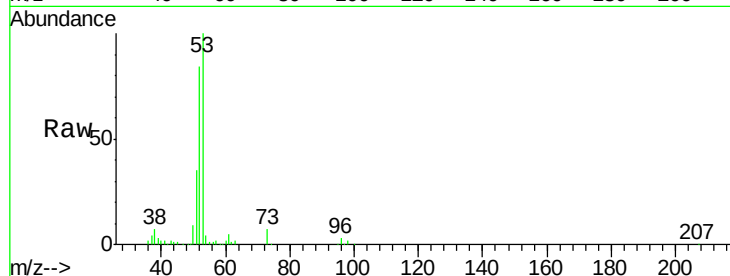
ClientSampleId :

VN0509WBSD02

Tot Ion:	53	Resp:	443258
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	35.8	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 79.169 ug/l

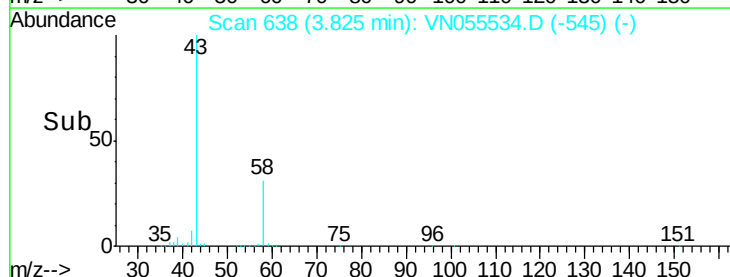
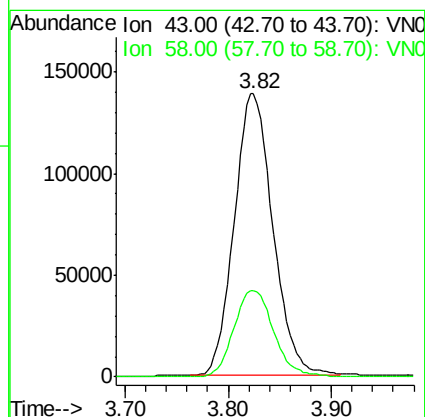
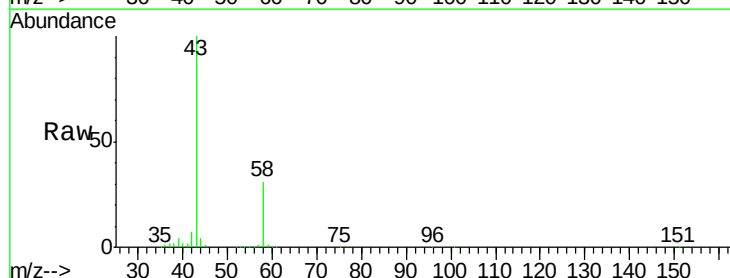
RT: 3.82 min Scan# 638

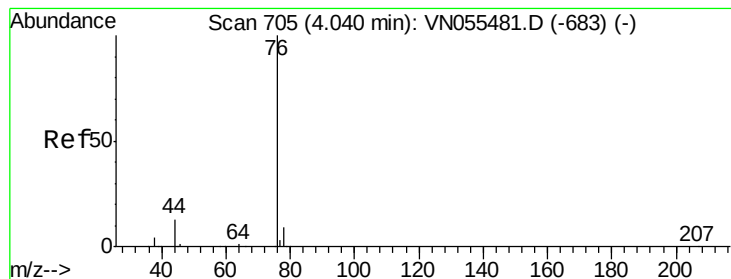
Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Tgt Ion:	43	Resp:	363020
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.2





#17

Carbon Disulfide

Concen: 20.501 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD02

Tot Ion: 76 Resp: 402218

Ion Ratio Lower Upper

76 100

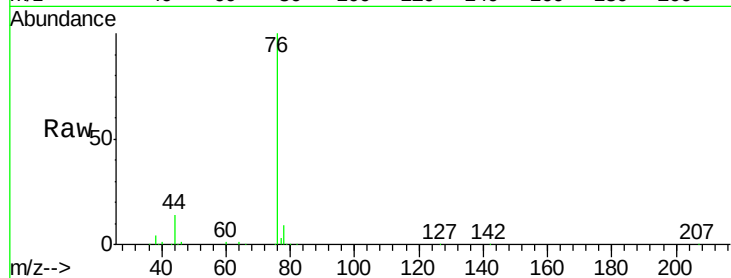
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

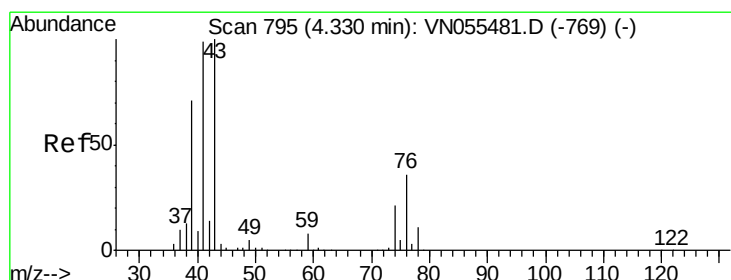
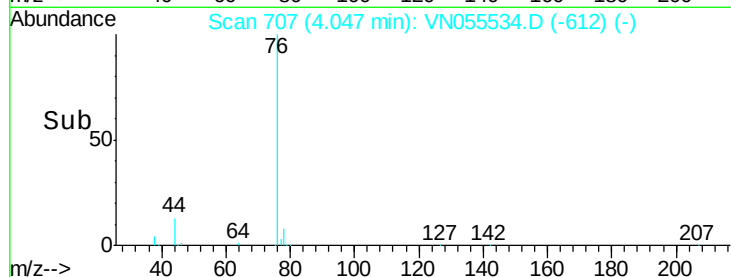
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 19.960 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055534.D

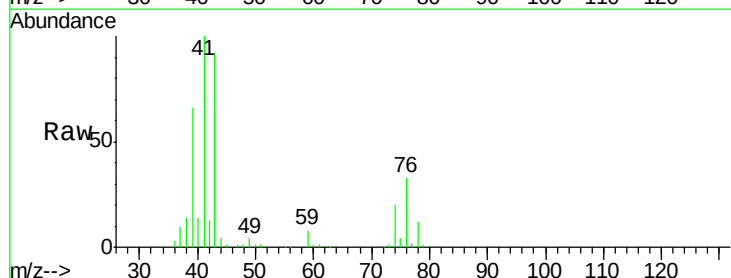
Acq: 10 May 2019 7:29

Tgt Ion: 43 Resp: 198459

Ion Ratio Lower Upper

43 100

74 20.9 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

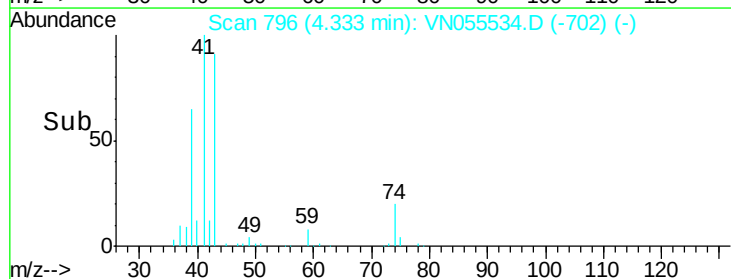
60000

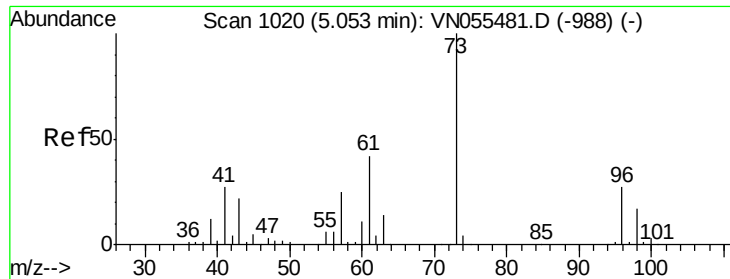
40000

20000

0

Time--> 4.20 4.30 4.40 4.50





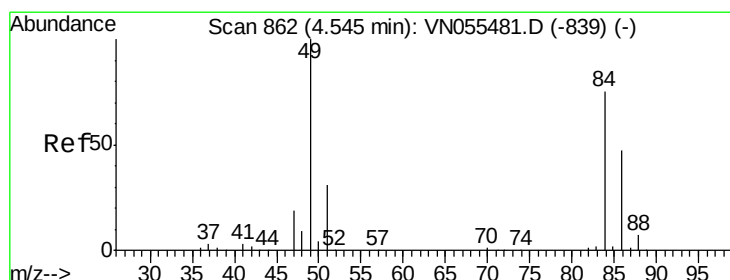
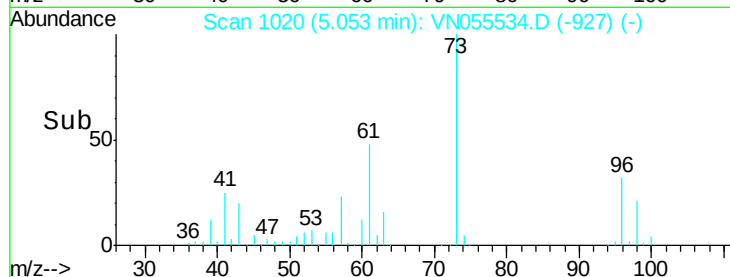
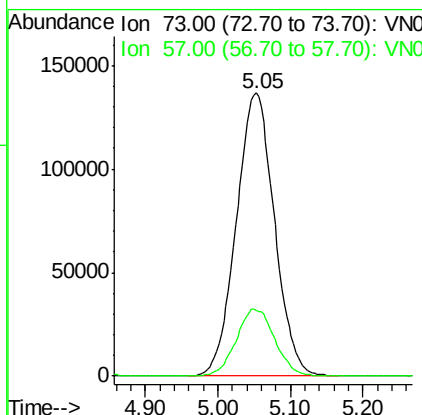
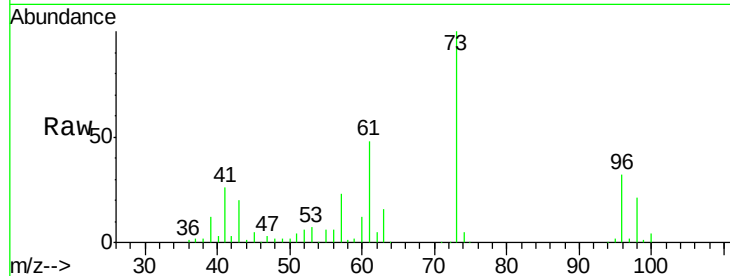
#19
Methyl tert-butyl Ether
Concen: 20.923 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion: 73 Resp: 499763
Ion Ratio Lower Upper
73 100
57 23.2 20.0 30.0

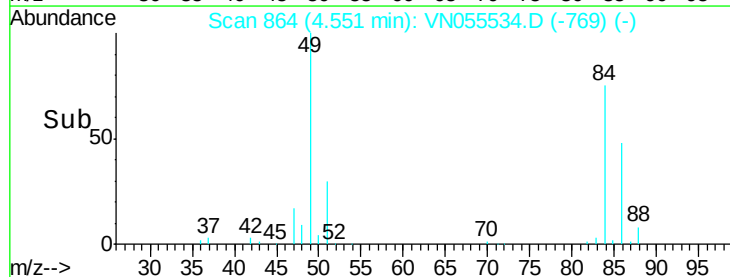
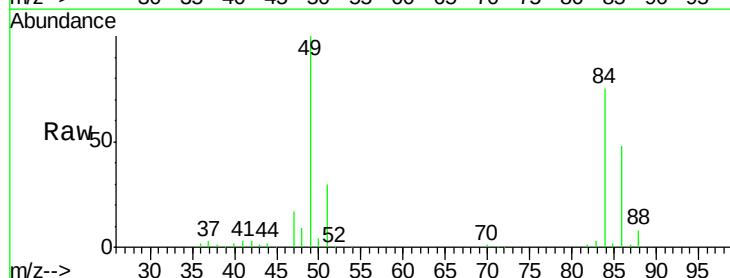
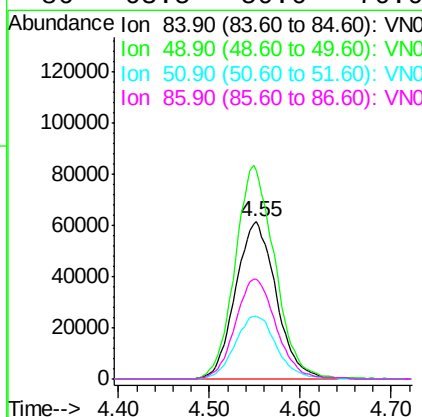
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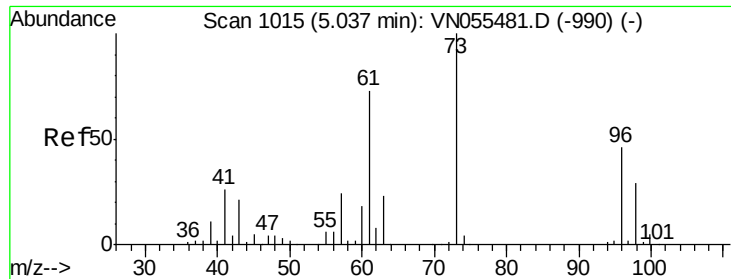
MMDadoda
5/10/2019 12:44:31 PM



#20
Methylene Chloride
Concen: 20.363 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion: 84 Resp: 190931
Ion Ratio Lower Upper
84 100
49 132.8 107.0 160.6
51 39.6 33.0 49.4
86 63.5 50.6 76.0





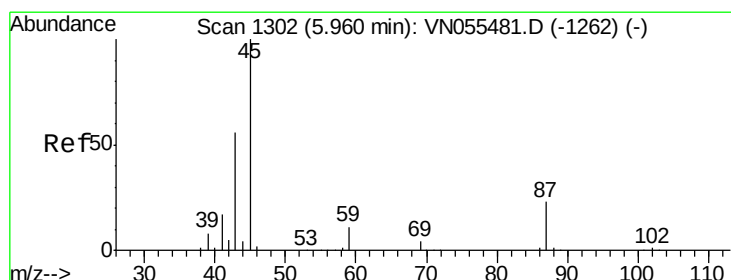
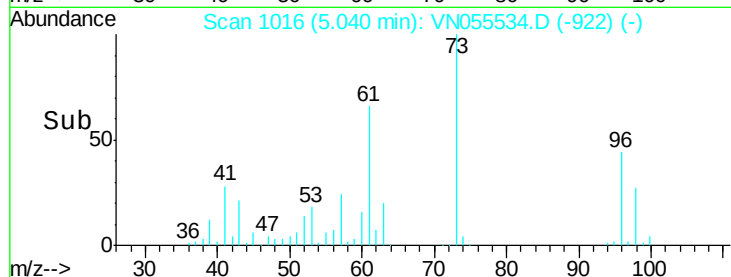
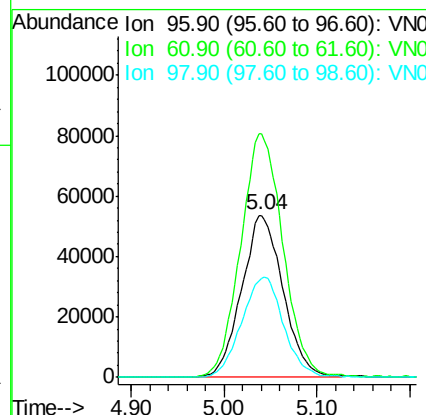
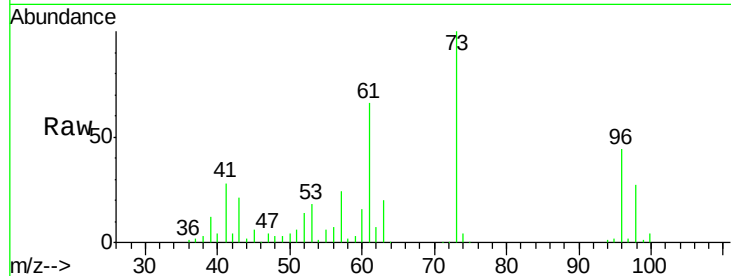
#21
trans-1,2-Dichloroethene
Concen: 21.358 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	127.4	191.0
98	60.9	51.6	77.4

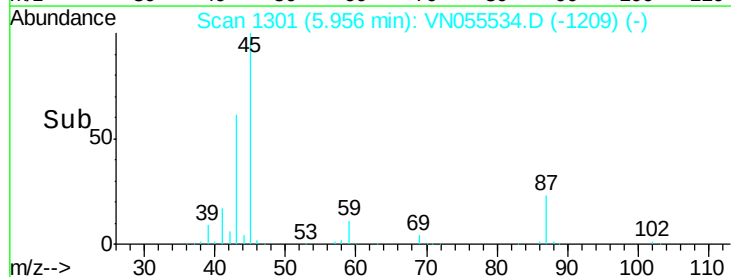
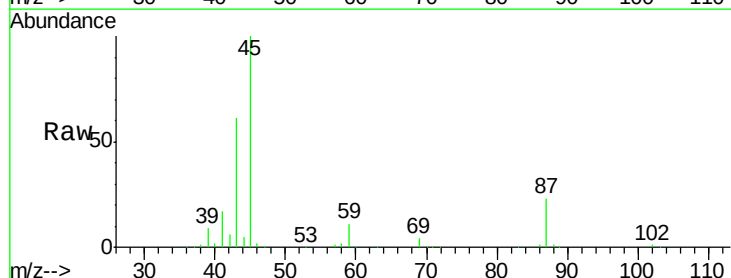
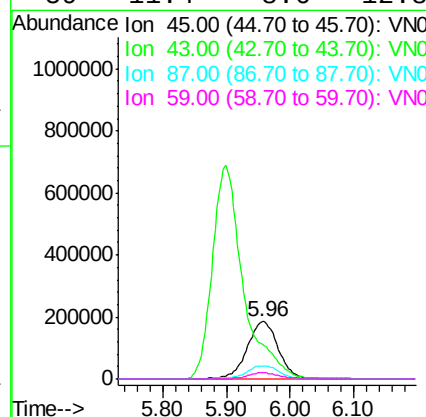
Manual Integrations
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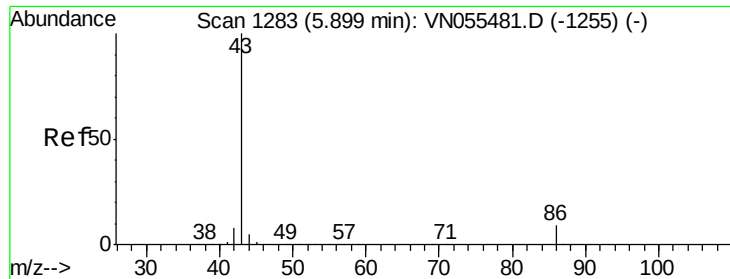
MMDadoda
5/10/2019 12:44:31 PM



#22
Diisopropyl ether
Concen: 21.088 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	44.6	66.8
87	23.0	18.6	28.0
59	11.4	8.6	12.8





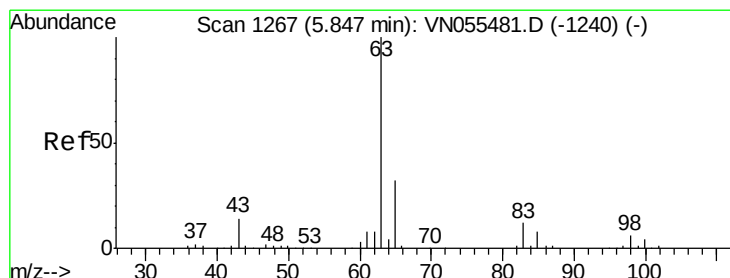
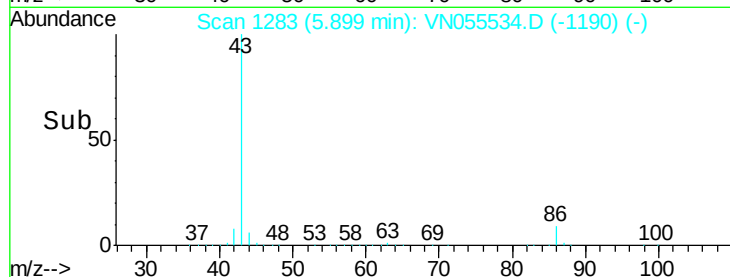
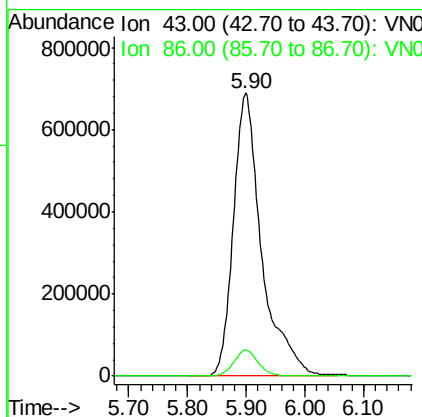
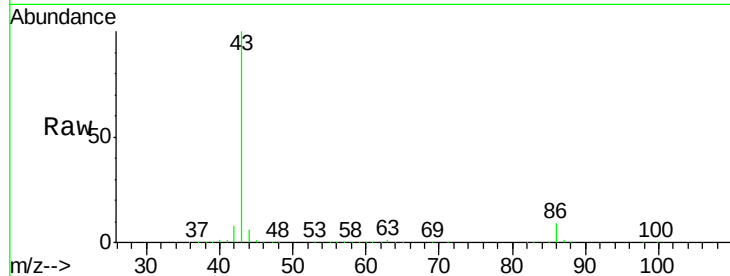
#23
 Vinyl Acetate
 Concen: 100.464 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD02

Tot Ion: 43 Resp: 2324887
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.1 10.7

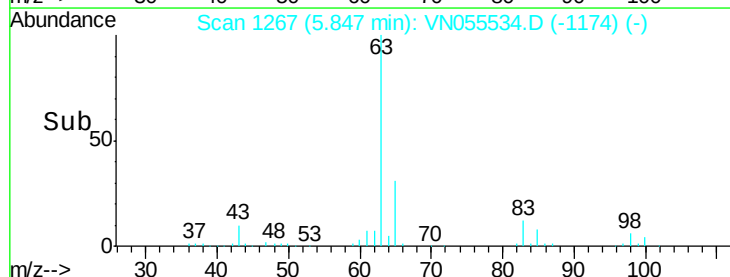
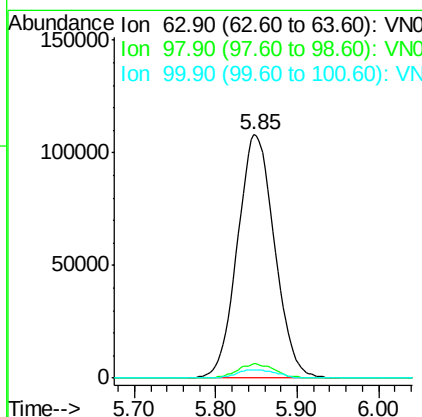
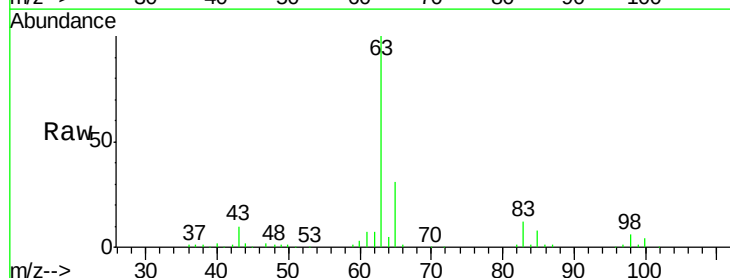
Manual Integrations
 APPROVED

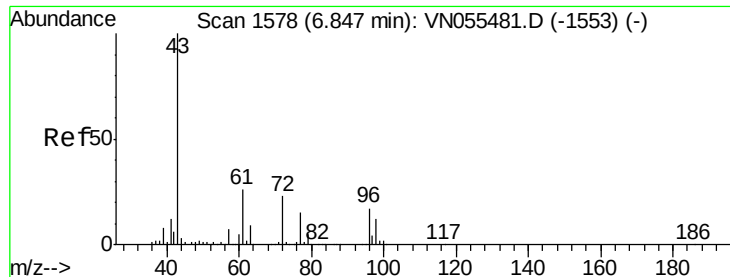
MMDadoda
 5/10/2019 12:44:31 PM



#24
 1,1-Dichloroethane
 Concen: 21.042 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Tgt Ion: 63 Resp: 339887
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 90.597 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD02

Tot Ion: 43 Resp: 573853

Ion Ratio Lower Upper

43 100

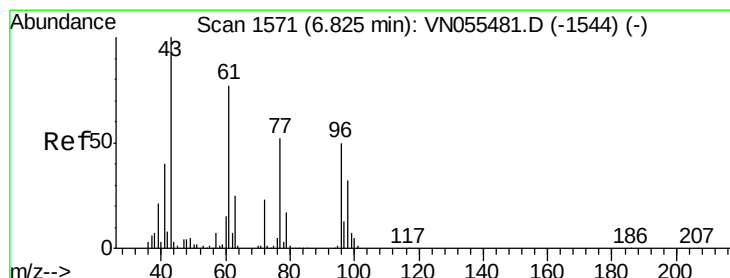
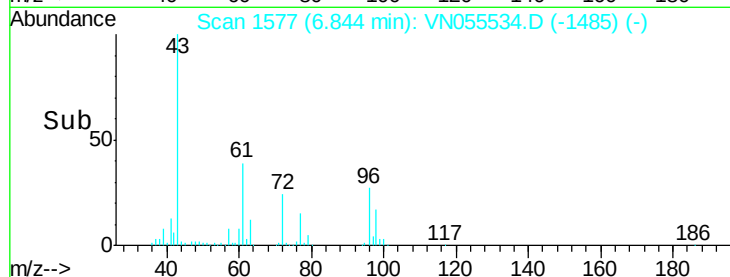
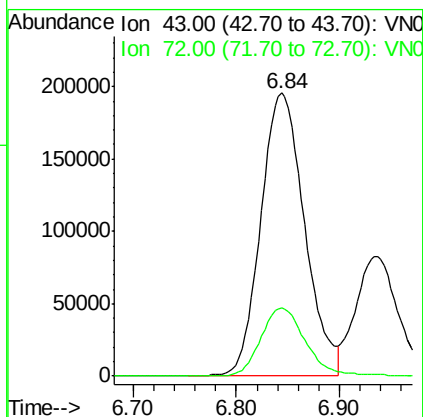
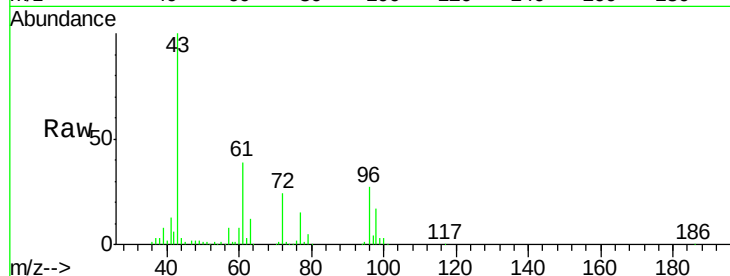
72 24.1 18.6 27.8

Manual Integrations

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MMDadoda

5/10/2019 12:44:31 PM



#26

2,2-Dichloropropane

Concen: 14.589 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055534.D

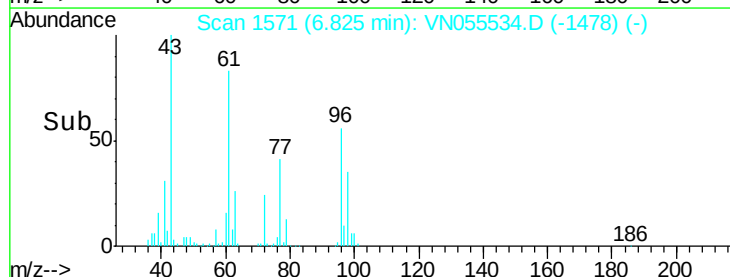
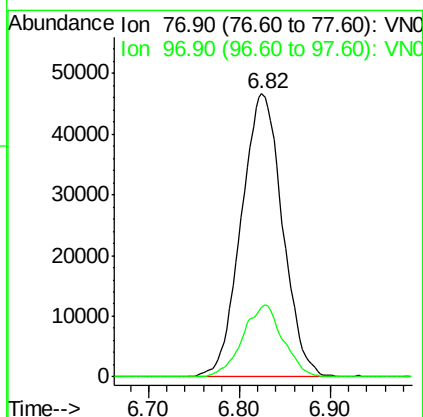
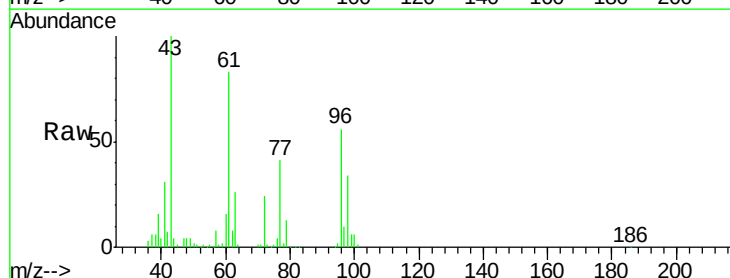
Acq: 10 May 2019 7:29

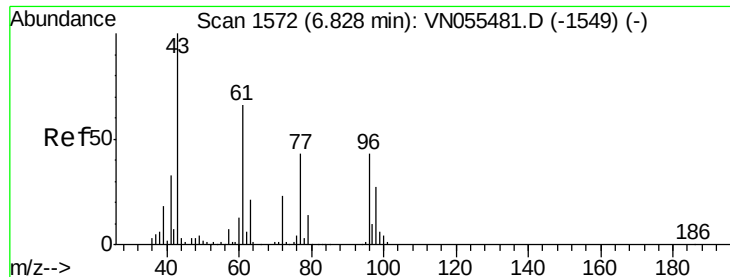
Tgt Ion: 77 Resp: 146903

Ion Ratio Lower Upper

77 100

97 24.6 11.5 34.5





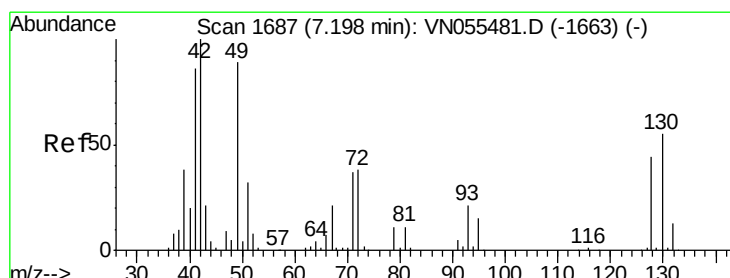
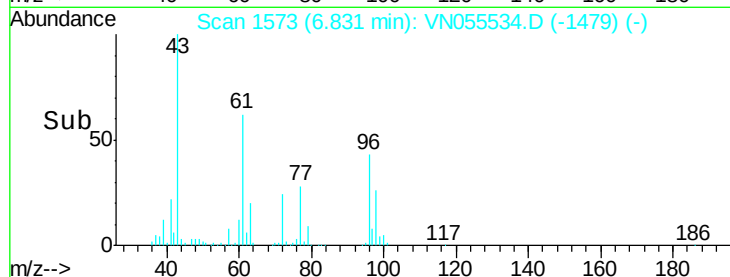
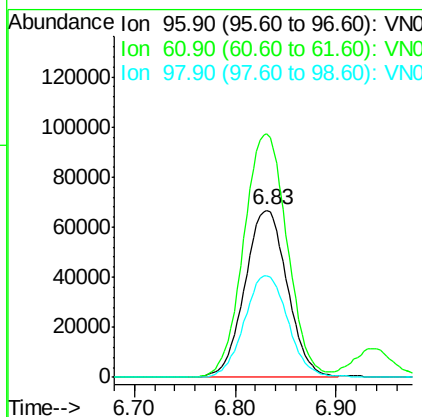
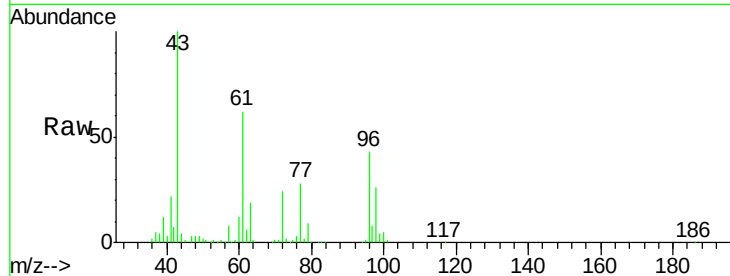
#27
 cis-1,2-Dichloroethene
 Concen: 21.703 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.8	0.0	310.8	
98	62.0	0.0	129.4	

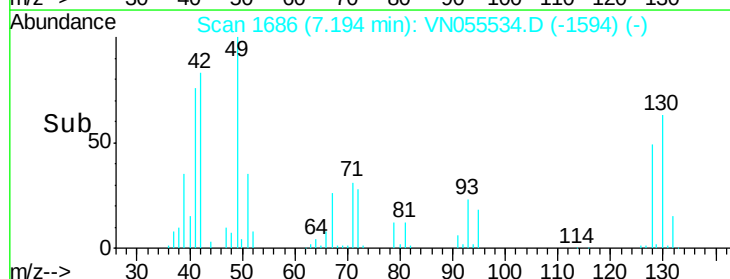
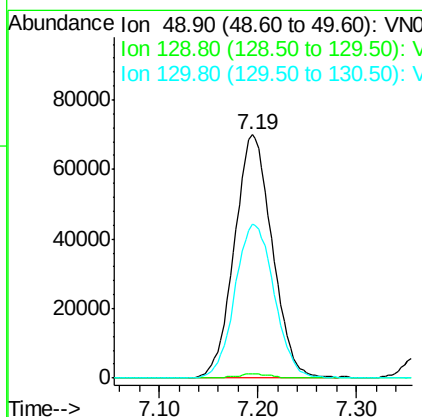
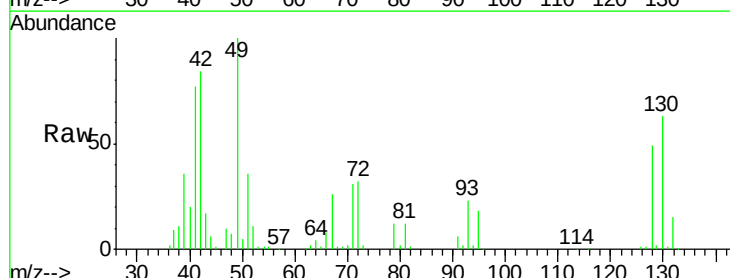
Manual Integrations
 APPROVED

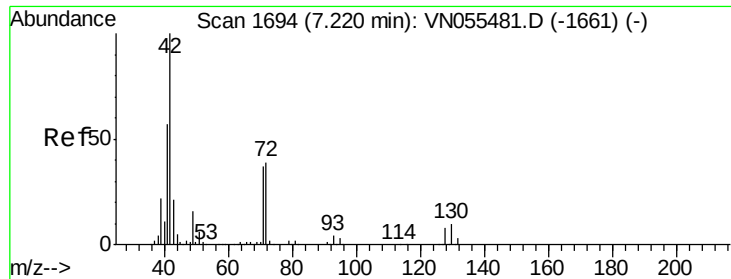
MMDadoda
 5/10/2019 12:44:31 PM



#28
 Bromochloromethane
 Concen: 22.223 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.2	
130	65.6	49.5	74.3	





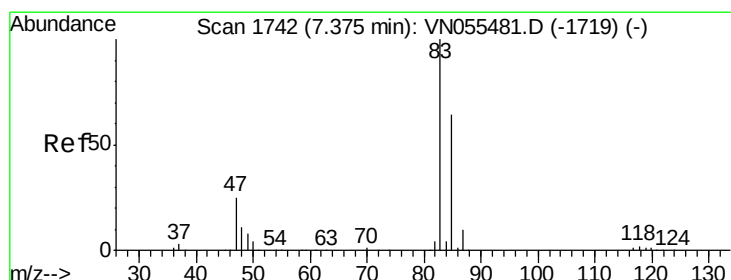
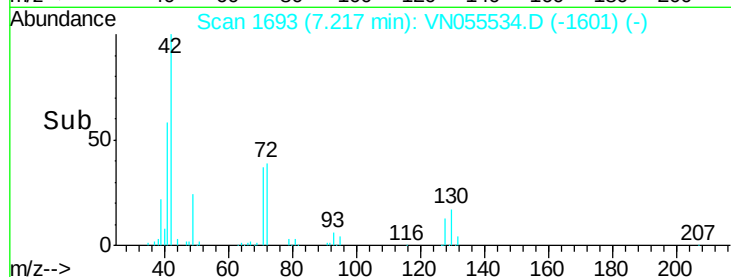
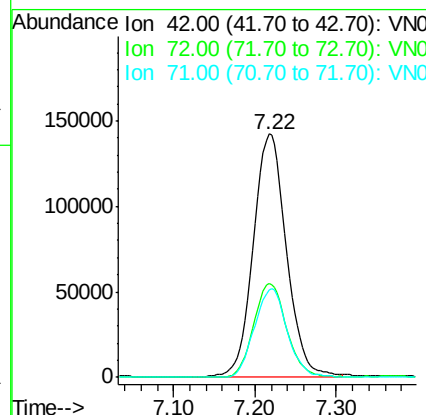
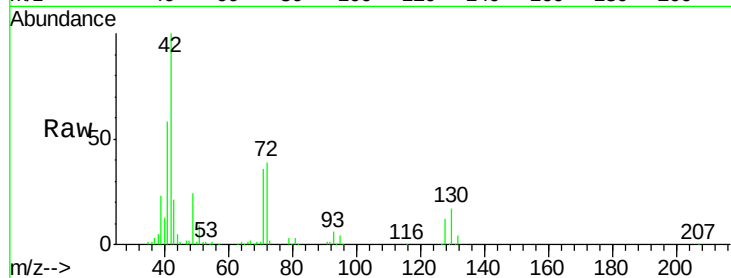
#29
Tetrahydrofuran
Concen: 94.980 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
42	100	397717		
72	38.5		31.0	46.6
71	36.2		29.4	44.2

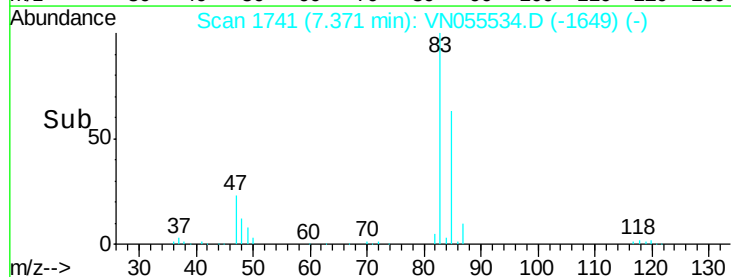
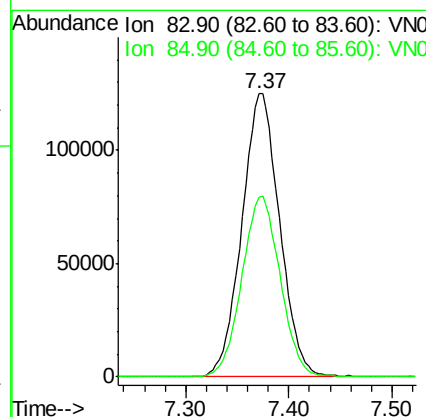
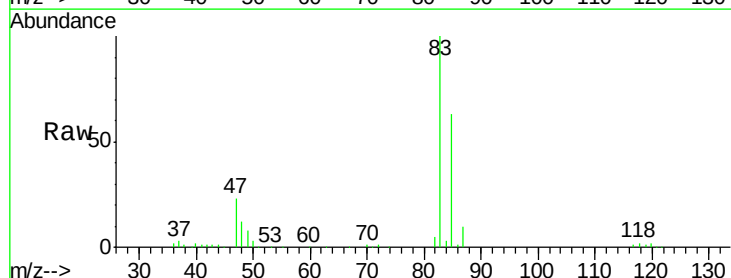
Manual Integrations
APPROVED

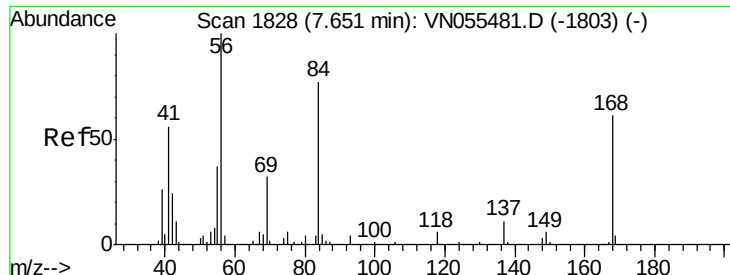
MMDadoda
5/10/2019 12:44:31 PM



#30
Chloroform
Concen: 21.342 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	318698		
85	63.4		51.3	76.9





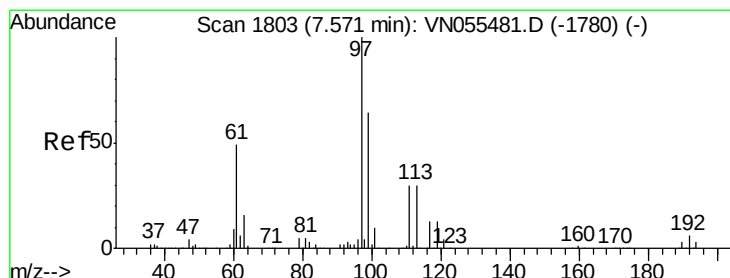
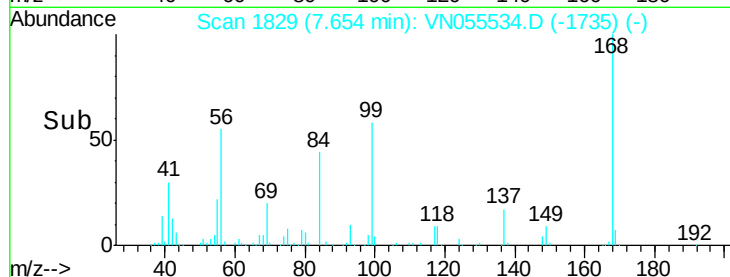
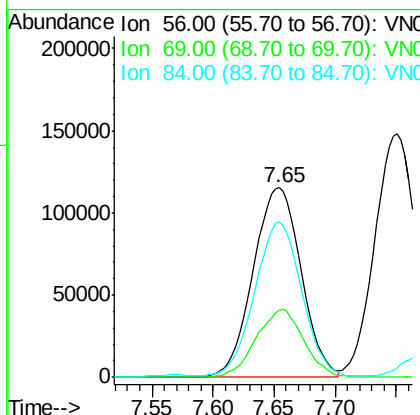
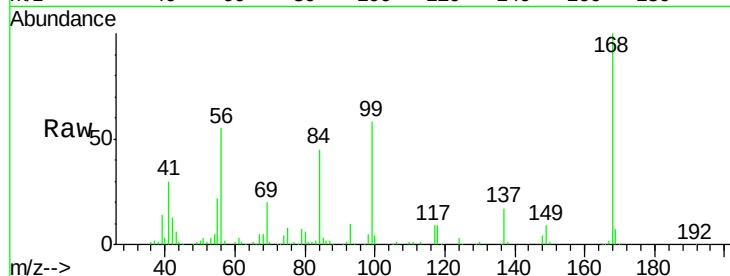
#31
Cyclohexane
Concen: 19.685 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	26.0	39.0
84	80.8	61.9	92.9

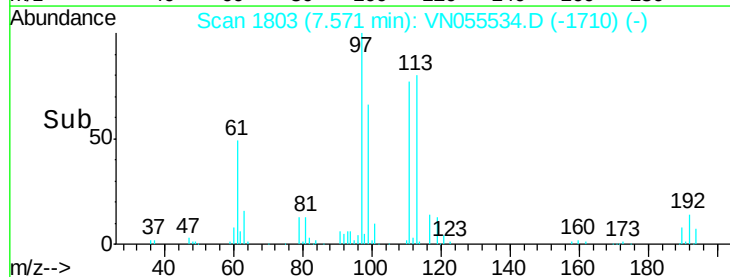
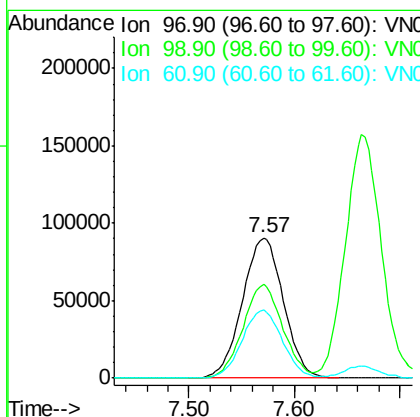
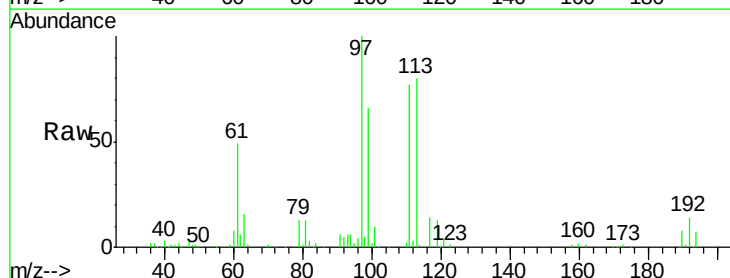
Manual Integrations
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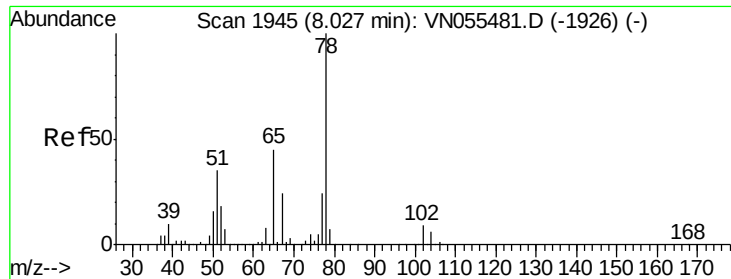
MMDadoda
5/10/2019 12:44:31 PM



#32
1,1,1-Trichloroethane
Concen: 21.543 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.2	76.8
61	48.0	39.2	58.8





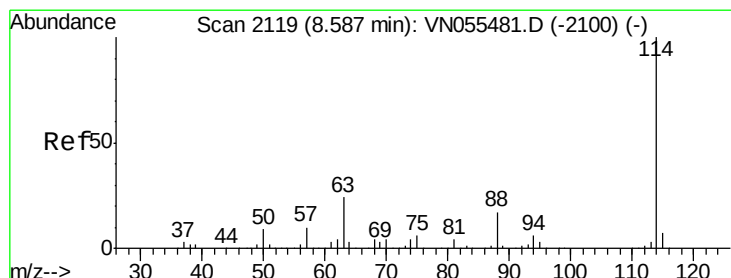
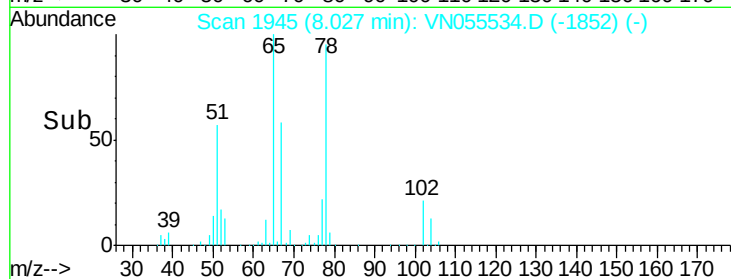
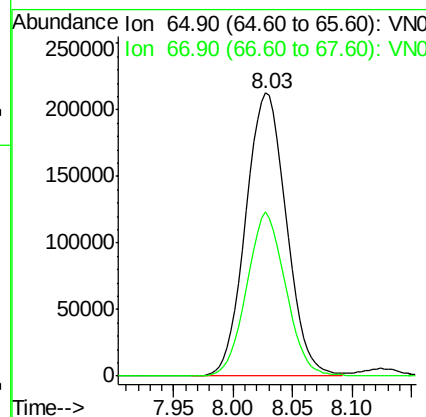
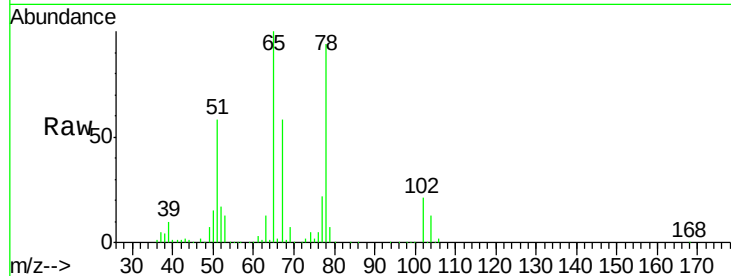
#33
 1,2-Dichloroethane-d4
 Concen: 50.987 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.4	0.0	109.6	

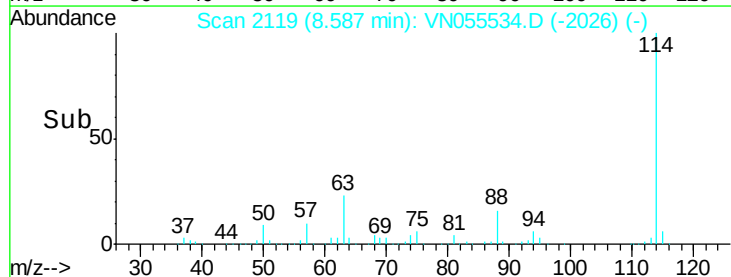
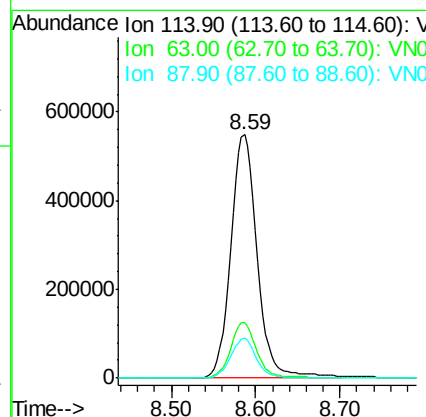
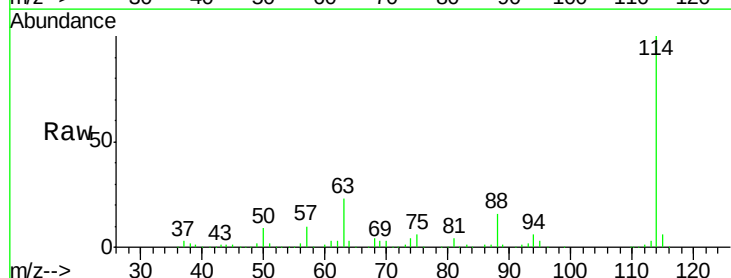
Manual Integrations
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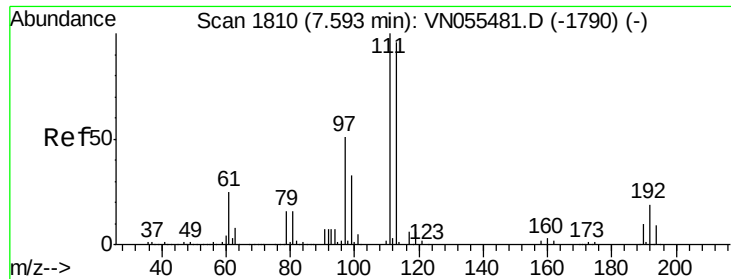
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 5/10/2019 12:44:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	47.4	
88	16.2	0.0	34.0	





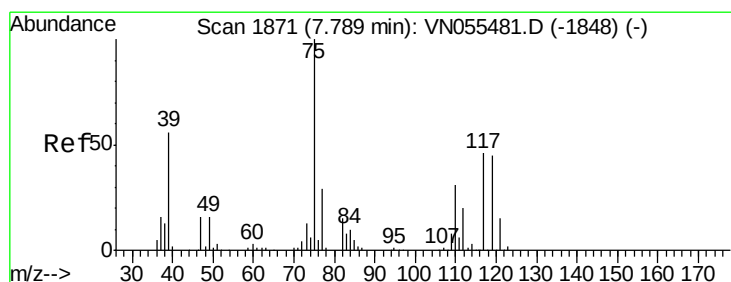
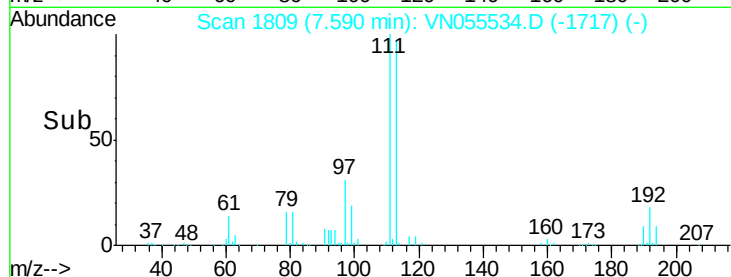
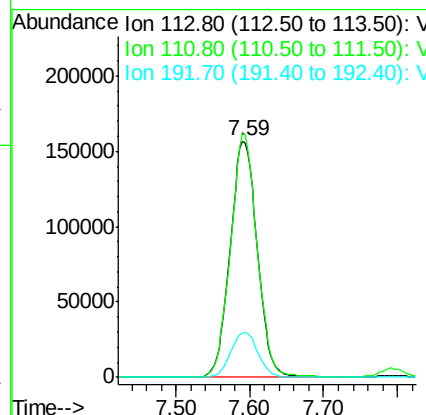
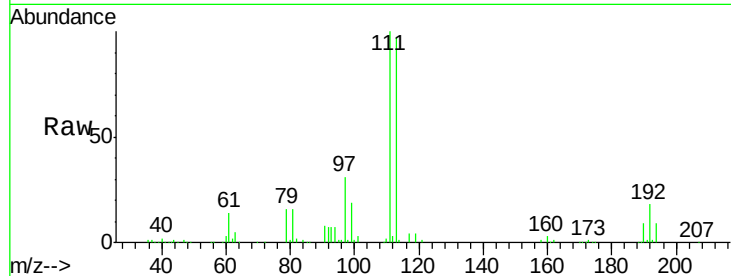
#35
Dibromofluoromethane
Concen: 52.185 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.7	82.9	124.3	
192	19.1	15.6	23.4	

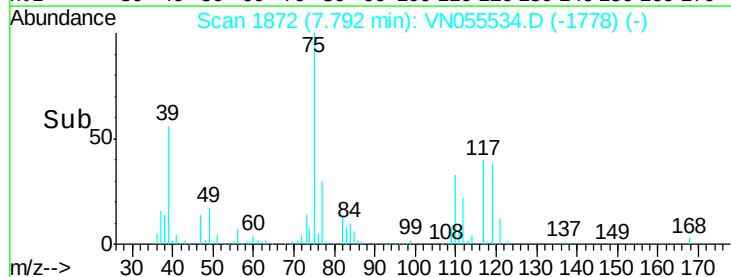
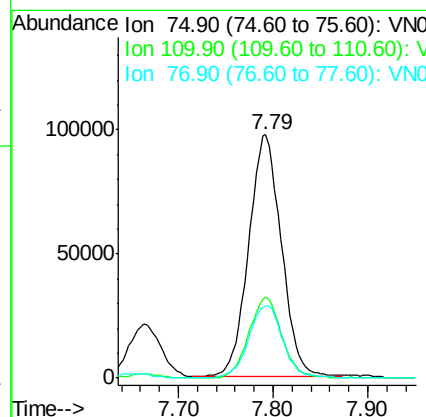
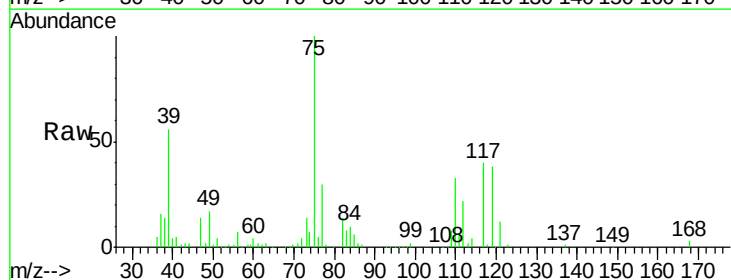
Manual Integrations
APPROVED

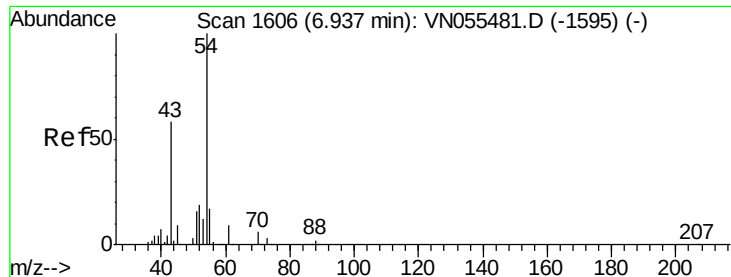
MMDadoda
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#36
1,1-Dichloropropene
Concen: 20.039 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.6	16.1	48.3	
77	31.3	24.6	37.0	





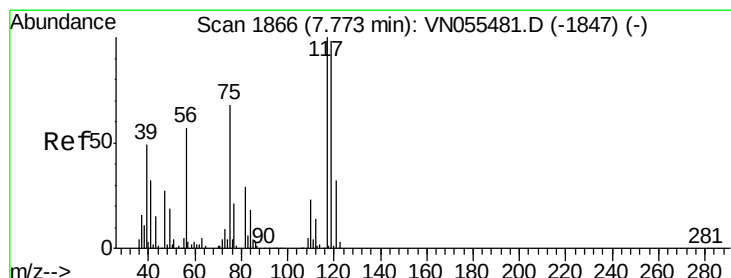
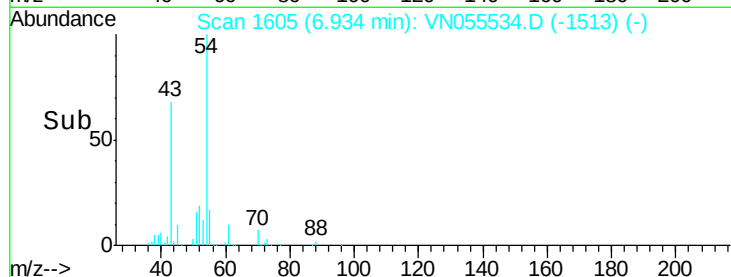
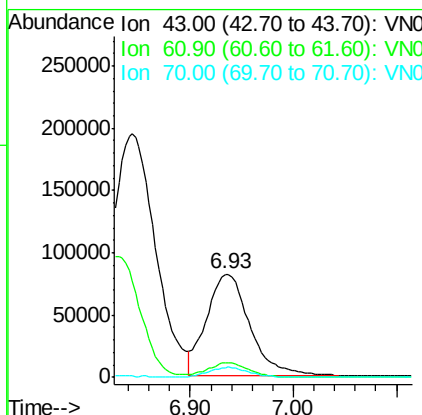
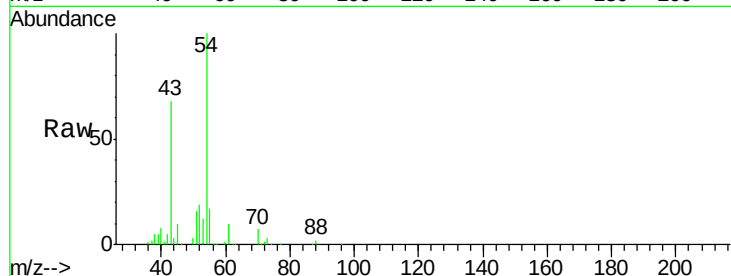
#37
Ethyl Acetate
Concen: 18.581 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampled :
VN0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	238375		
61	13.5	10.9	16.3	
70	8.9	7.0	10.6	

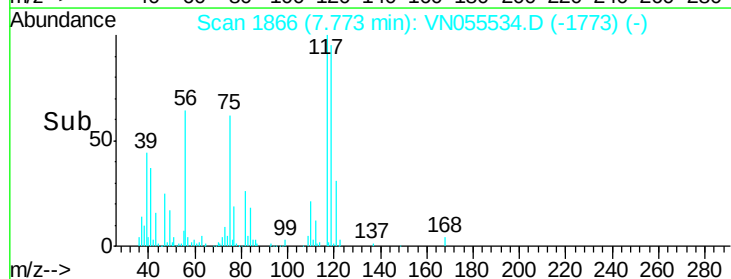
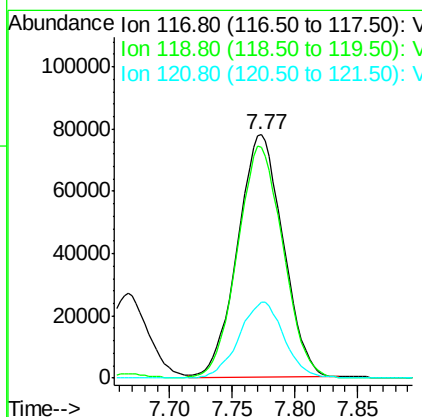
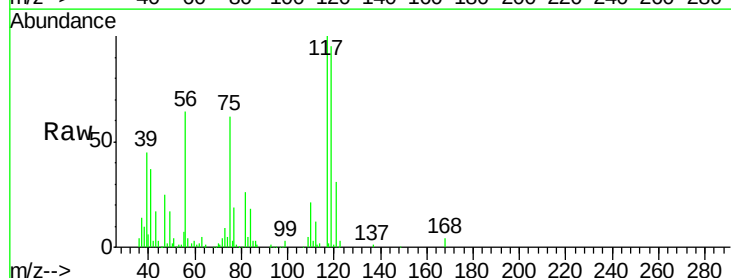
Manual Integrations
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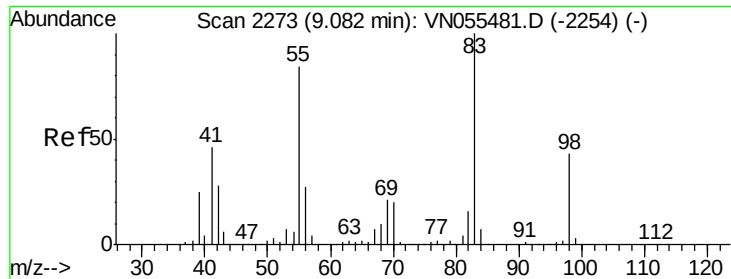
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.852 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	196593		
119	94.9	77.8	116.6	
121	31.3	25.2	37.8	





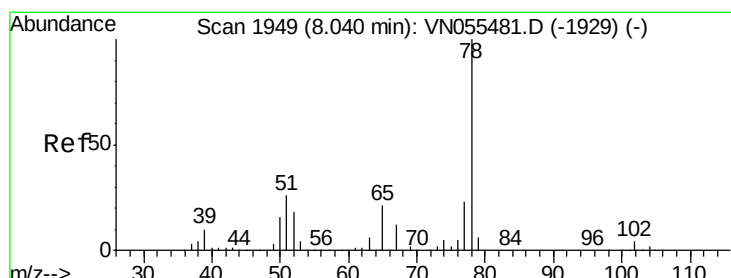
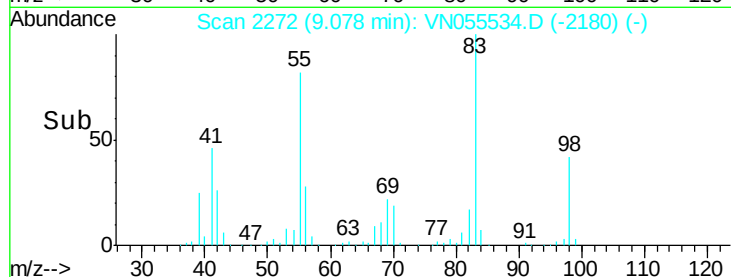
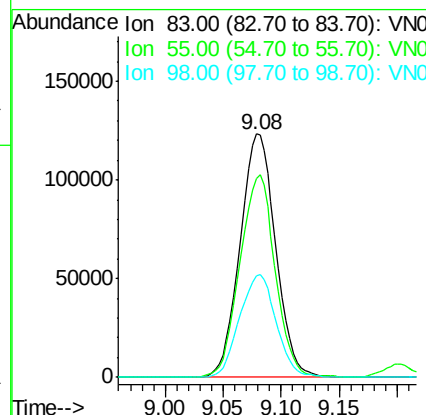
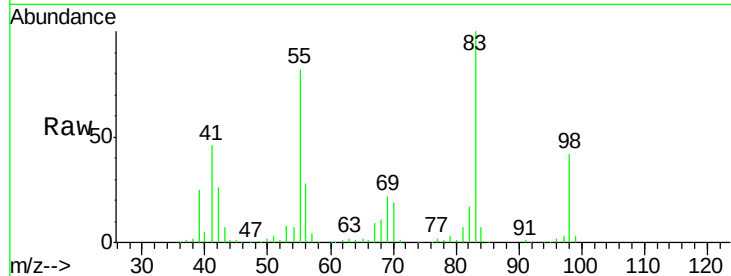
#39
Methylvlcyclohexane
Concen: 18.286 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion	83.00	Resp	262202
Ion Ratio	Lower	Upper	
83	100		
55	81.8	67.0	100.4
98	41.8	34.2	51.4

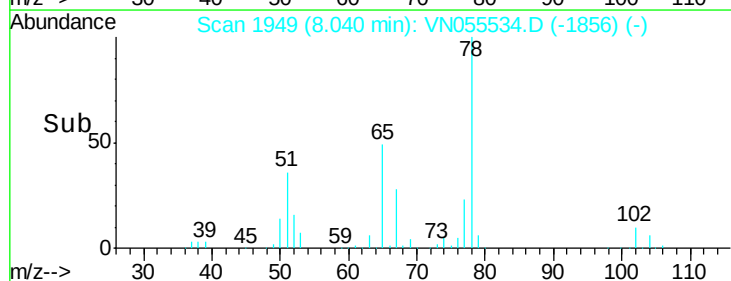
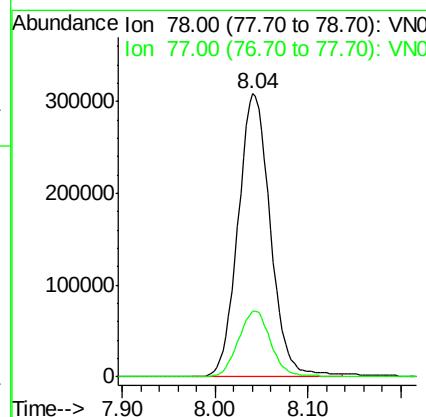
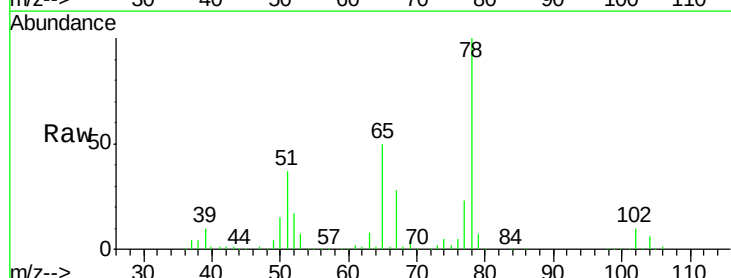
Manual Integrations
APPROVED

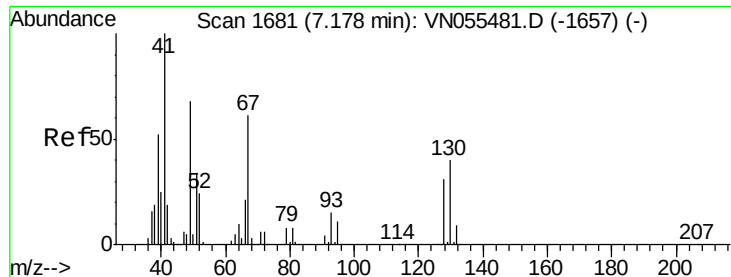
MMDadoda
5/10/2019 12:44:31 PM



#40
Benzene
Concen: 20.439 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion	78.00	Resp	746001
Ion Ratio	Lower	Upper	
78	100		
77	23.1	18.6	27.8





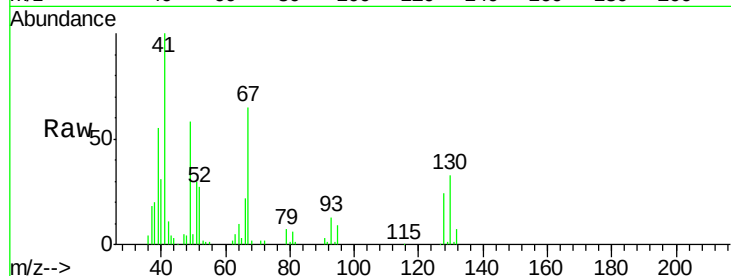
#41
Methacrylonitrile
Concen: 18.204 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

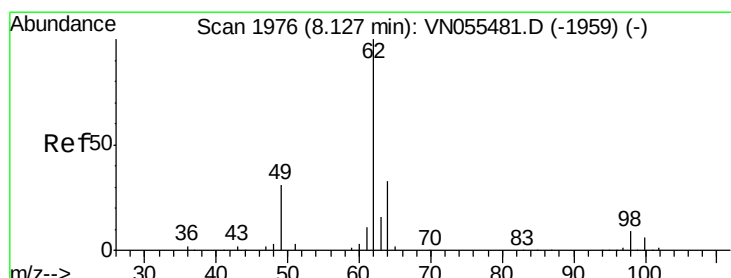
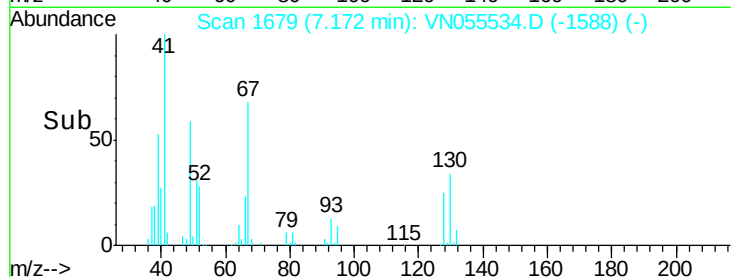
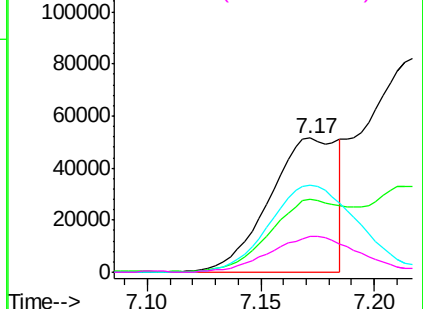
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.6	44.7	67.1
67	86.4	61.4	92.0
52	35.9	25.0	37.4

Manual Integrations
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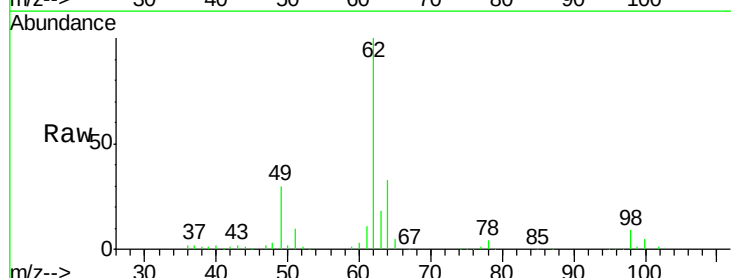


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

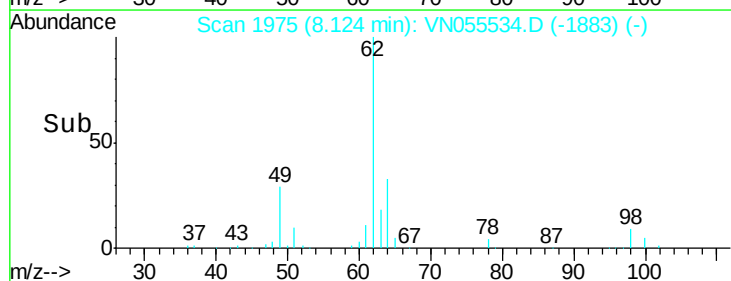
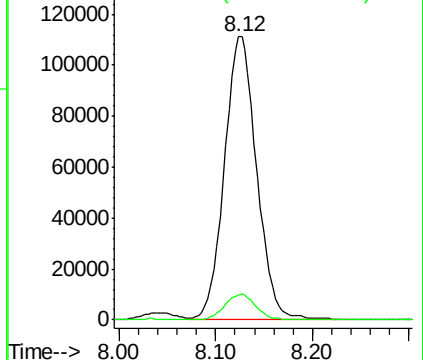


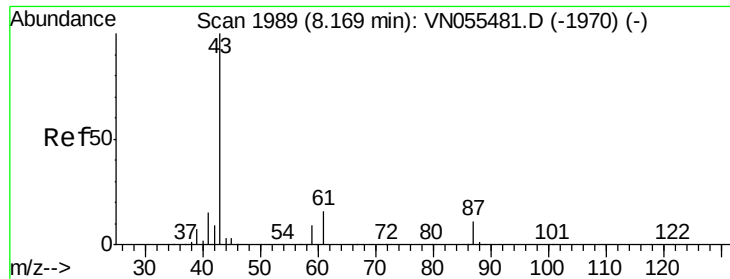
#42
1,2-Dichloroethane
Concen: 19.975 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.627 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

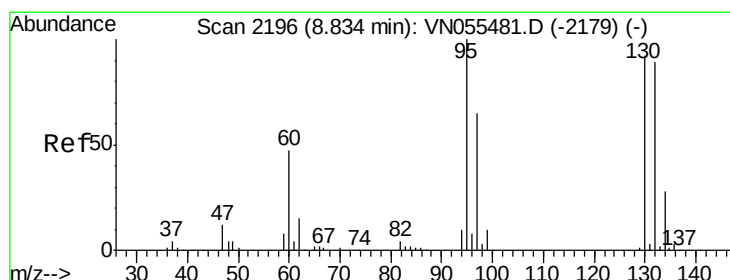
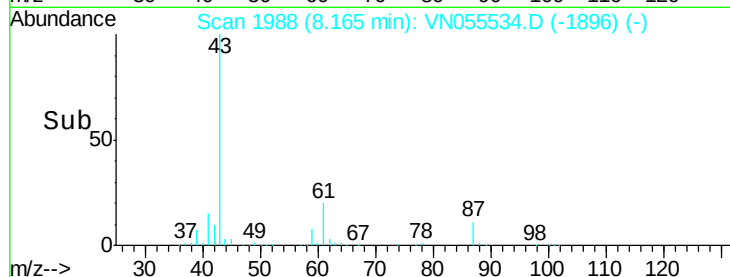
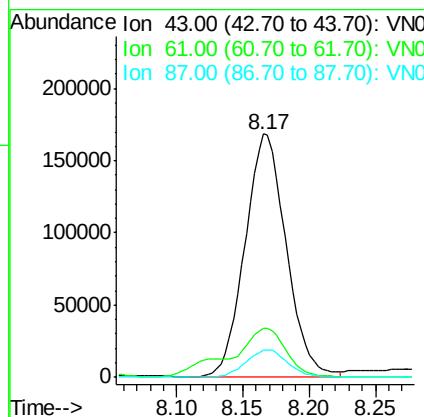
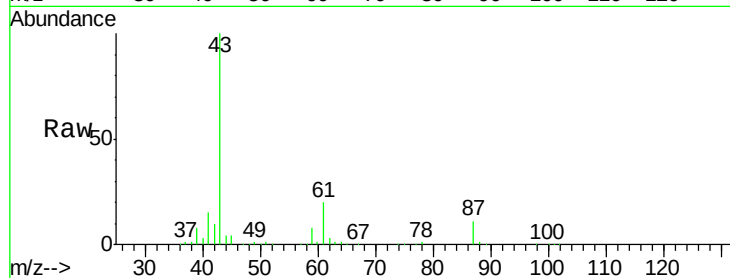
ClientSampleId :

VN0509WBSD02

Tot Ion:	43	Resp:	363032
Ion	Ratio	Lower	Upper
43	100		
61	27.3	15.1	22.7#
87	11.5	9.0	13.6

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#44

Trichloroethene

Concen: 20.505 ug/l

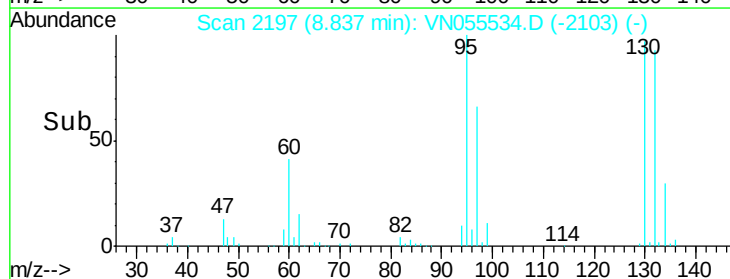
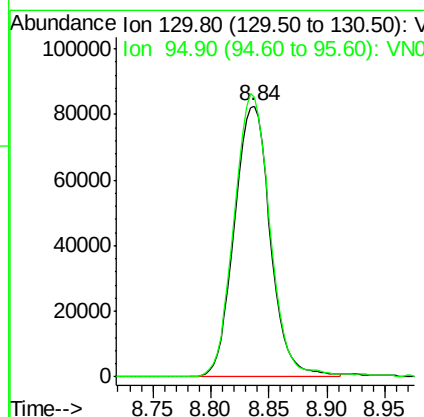
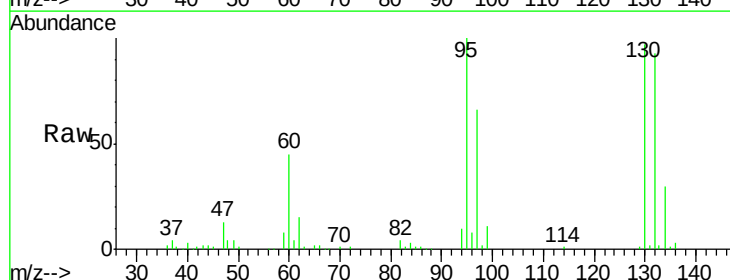
RT: 8.84 min Scan# 2197

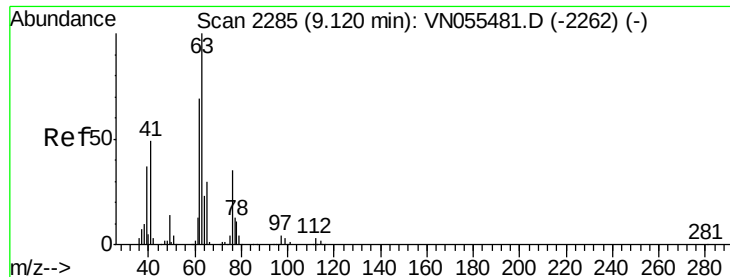
Delta R.T. 0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Tgt Ion:	130	Resp:	178083
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	216.8





#45

1,2-Dichloropropane

Concen: 20.307 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD02

Tot Ion: 63 Resp: 212071

Ion Ratio Lower Upper

63 100

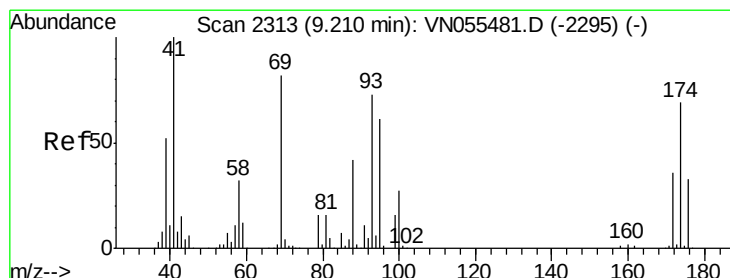
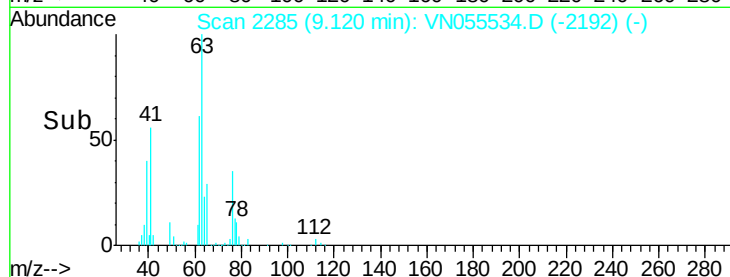
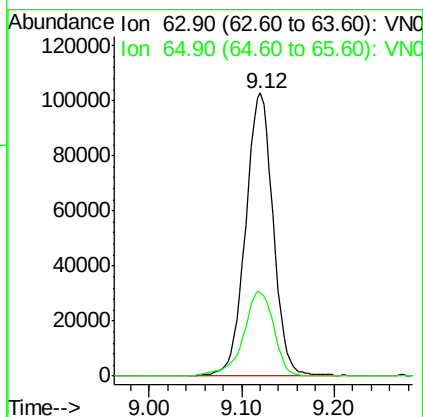
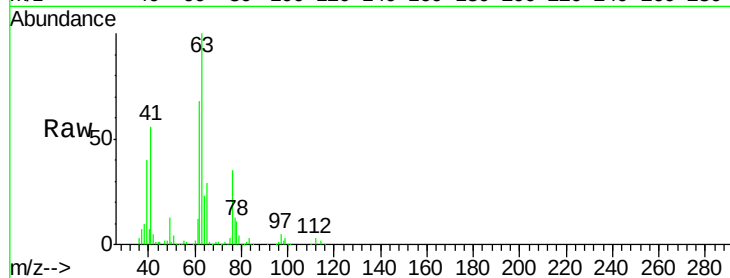
65 29.3 24.1 36.1

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#46

Dibromomethane

Concen: 20.448 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

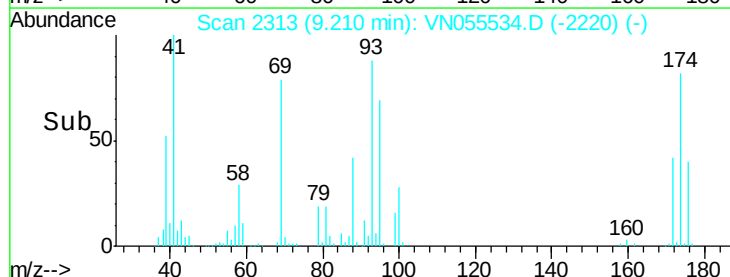
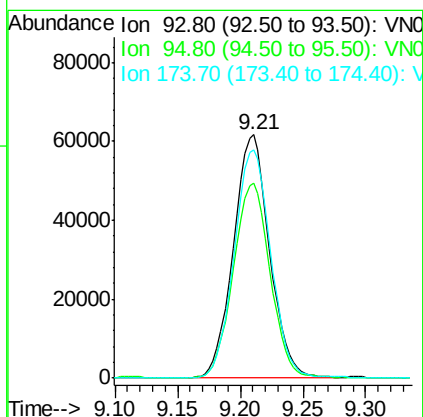
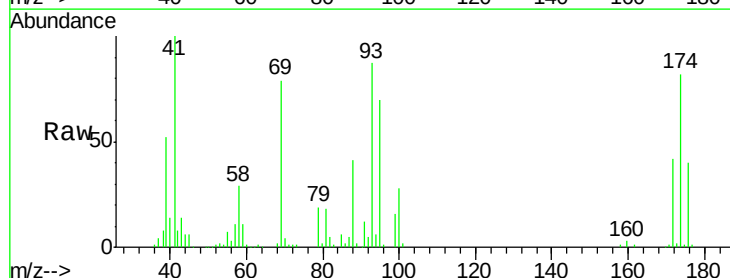
Tgt Ion: 93 Resp: 123780

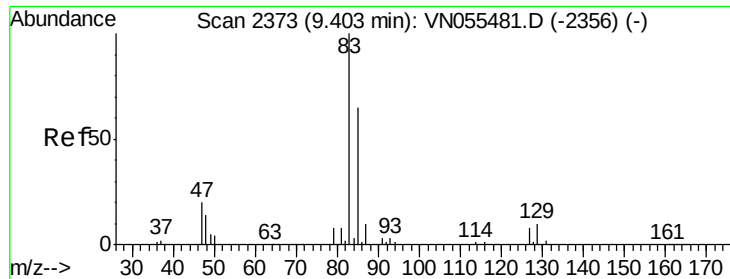
Ion Ratio Lower Upper

93 100

95 81.7 64.8 97.2

174 94.7 75.0 112.6





#47

Bromodichloromethane

Concen: 20.474 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

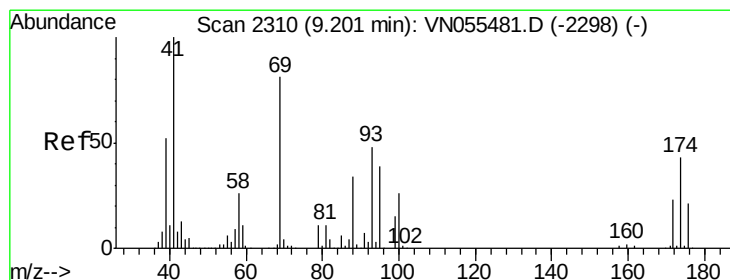
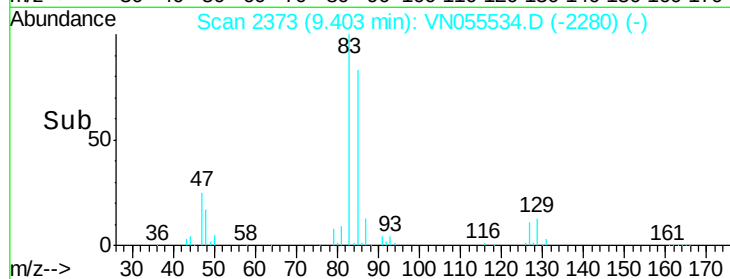
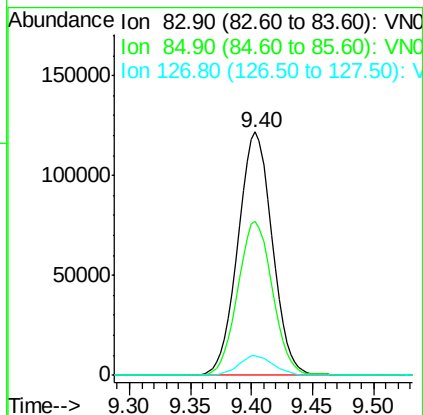
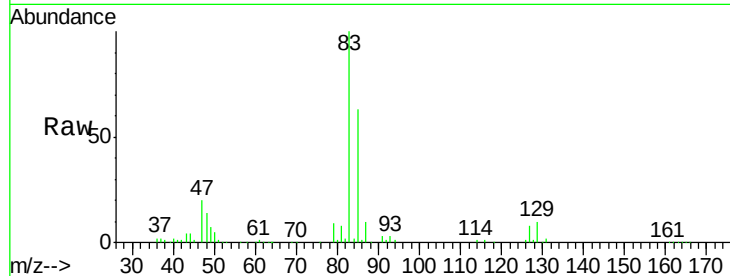
ClientSampleId :

VN0509WBSD02

Tot Ion:	83	Resp:	237104
Ion Ratio	Lower	Upper	
83	100		
85	63.4	52.2	78.2
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.977 ug/l

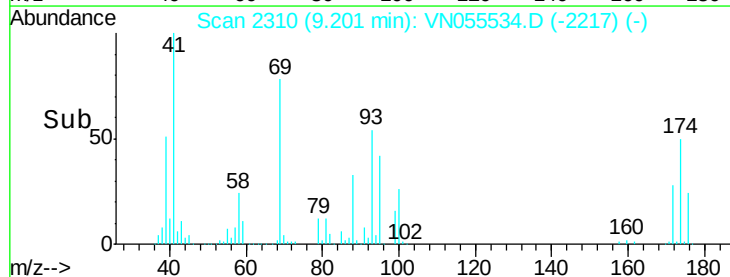
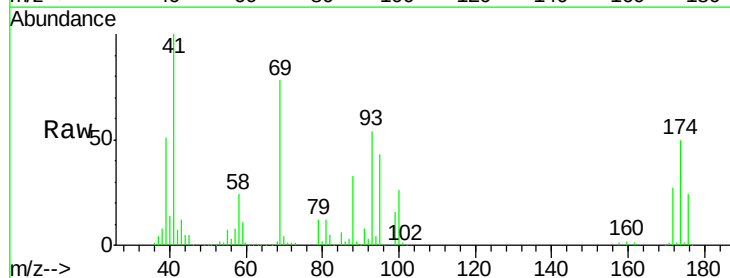
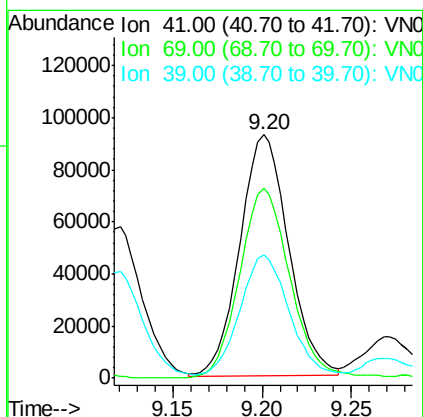
RT: 9.20 min Scan# 2310

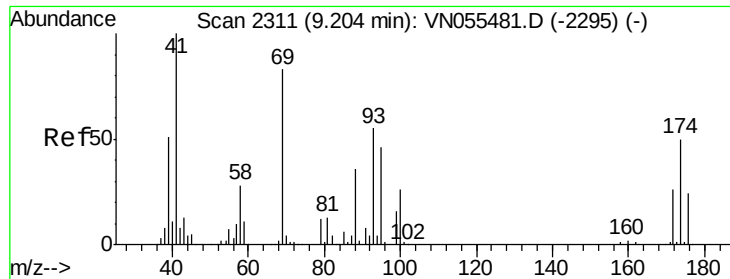
Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Tgt Ion:	41	Resp:	178201
Ion Ratio	Lower	Upper	
41	100		
69	81.1	64.2	96.2
39	51.5	41.6	62.4





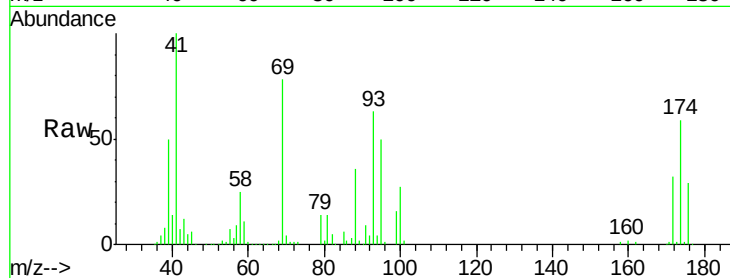
#49
1,4-Dioxane
Concen: 379.907 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.8	41.8
58	72.2	61.8	92.6

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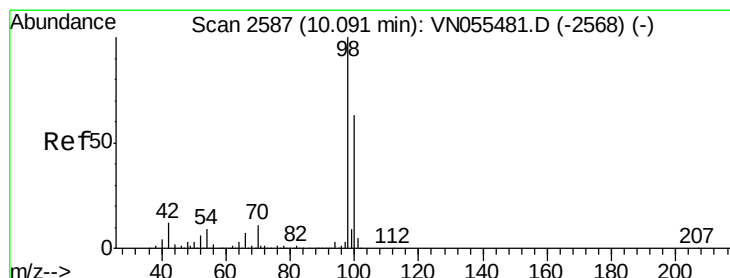
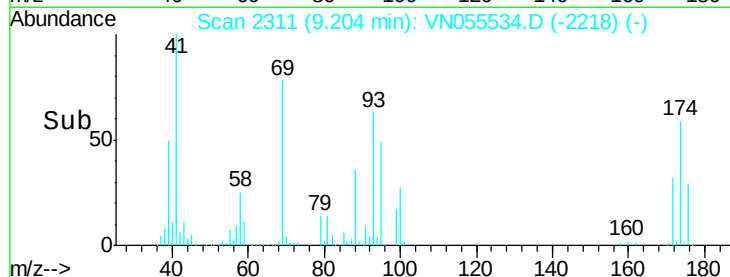
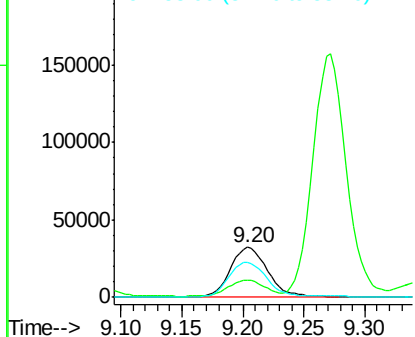


Abundance

Ion 88.00 (87.70 to 88.70): VN055534.D (-2218) (-)

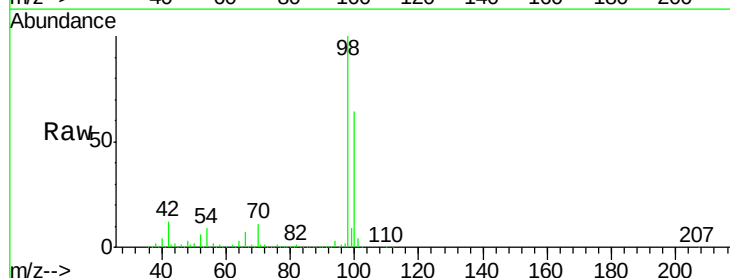
Ion 43.00 (42.70 to 43.70): VN055534.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055534.D (-2218) (-)



#50
Toluene-d8
Concen: 50.453 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

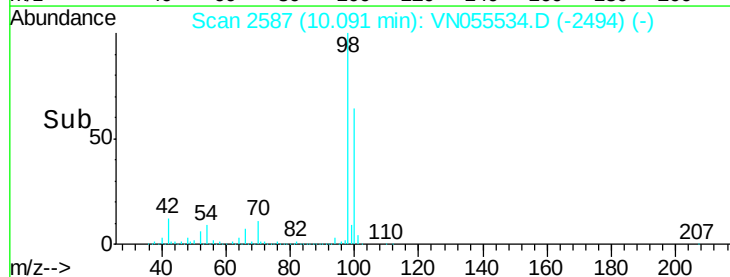
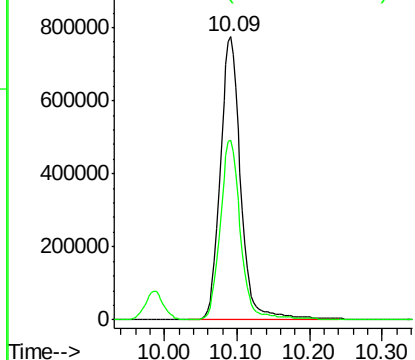
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.4	75.6

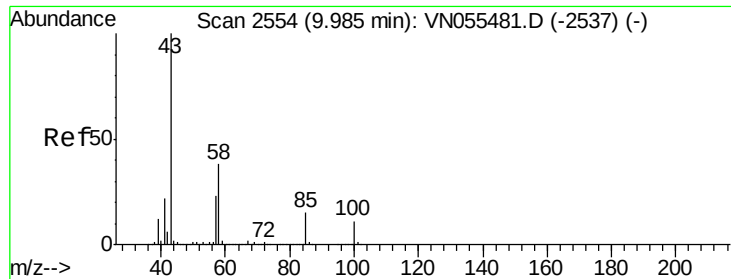


Abundance

Ion 98.00 (97.70 to 98.70): VN055534.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055534.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 90.269 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD02

Tot Ion: 43 Resp: 1157082

Ion Ratio Lower Upper

43 100

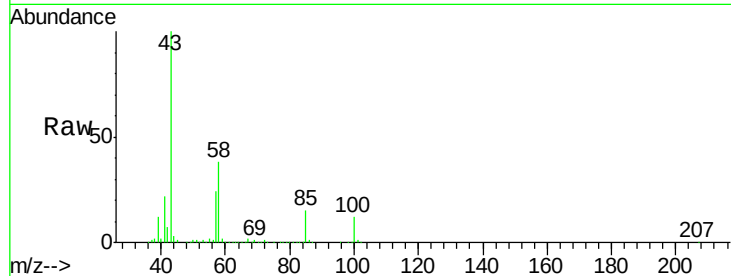
58 38.1 29.9 44.9

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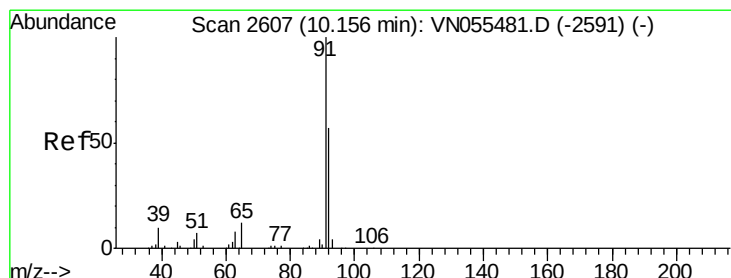
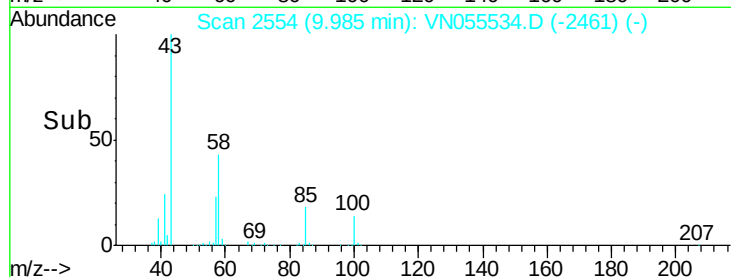
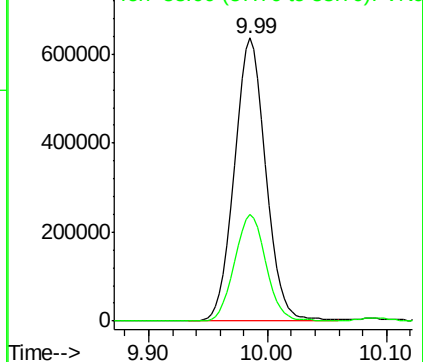
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.287 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055534.D

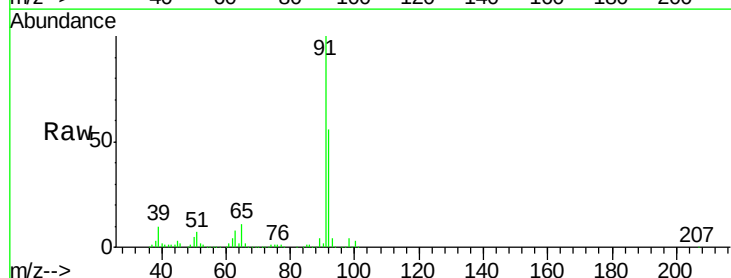
Acq: 10 May 2019 7:29

Tgt Ion: 92 Resp: 423325

Ion Ratio Lower Upper

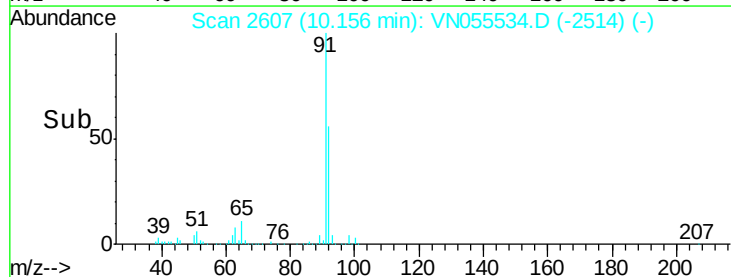
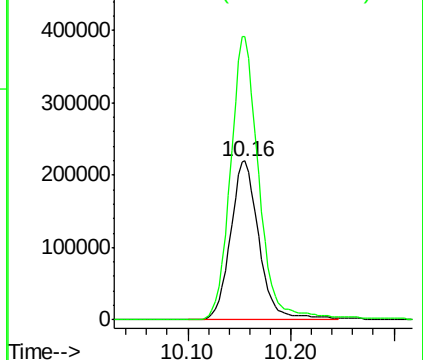
92 100

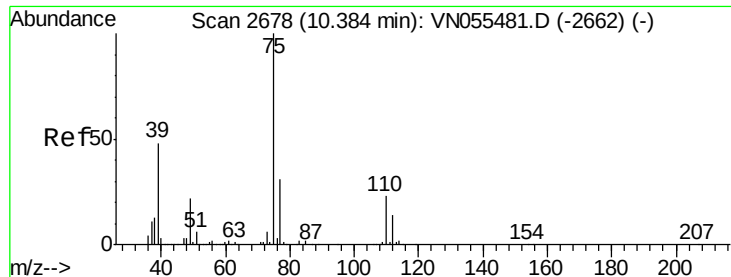
91 179.3 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





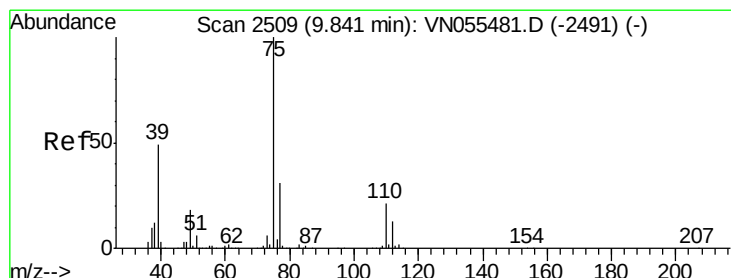
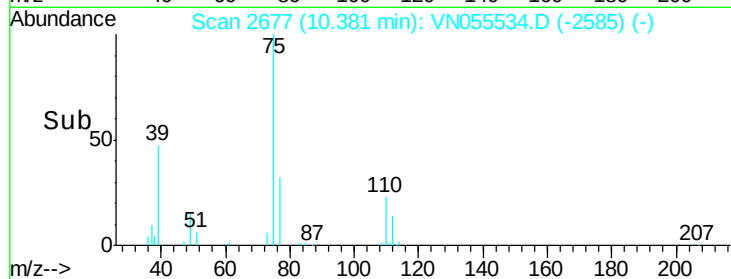
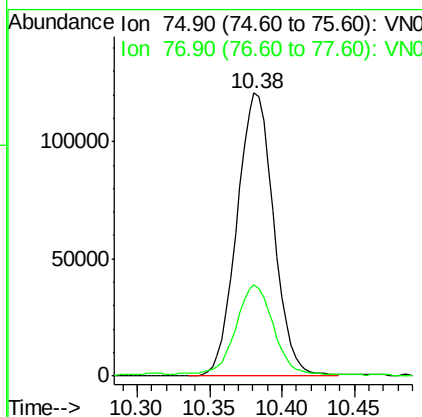
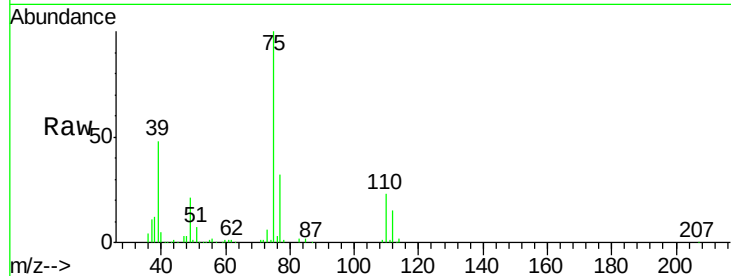
#53
 t-1,3-Dichloropropene
 Concen: 19.187 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7

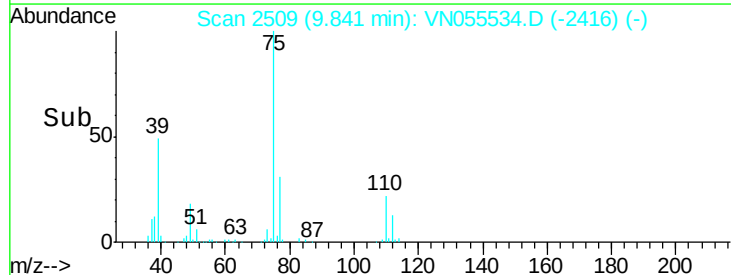
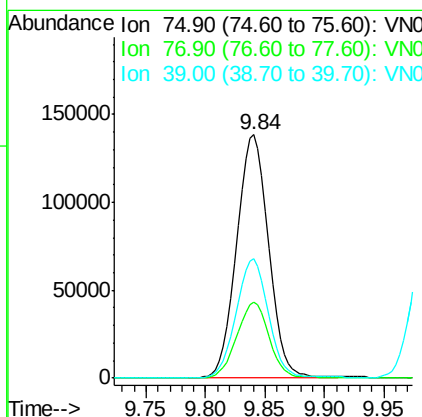
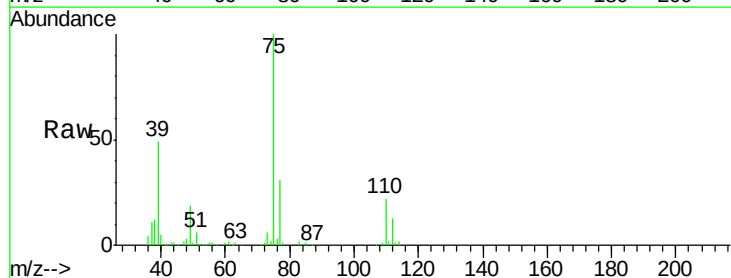
Manual Integrations
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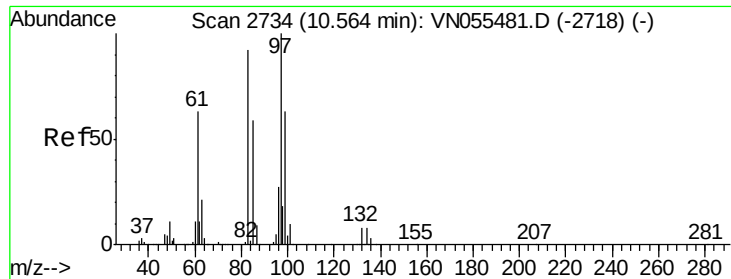
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#54
 cis-1,3-Dichloropropene
 Concen: 19.485 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.4	36.6
39	48.7	39.5	59.3





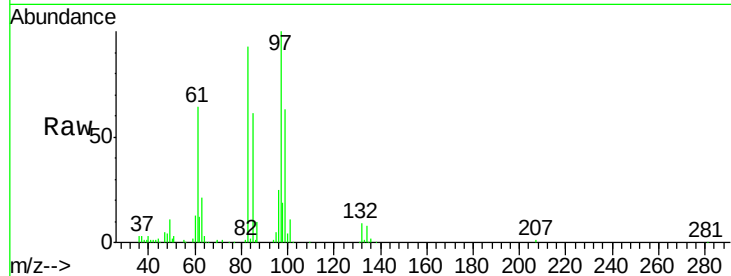
#55
 1,1,2-Trichloroethane
 Concen: 20.338 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		171950		
83	92.4	73.2	109.8		
85	60.6	47.5	71.3		
99	63.0	50.2	75.2		

Manual Integrations
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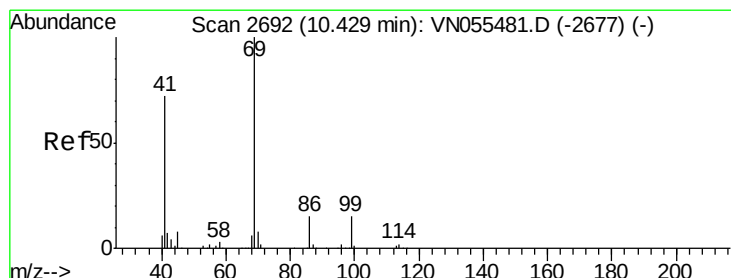
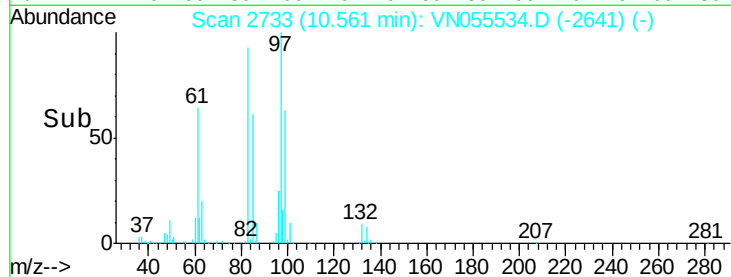
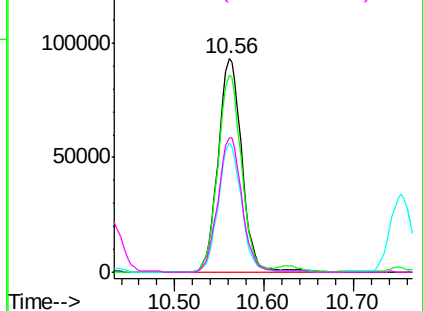


Abundance Ion 96.90 (96.60 to 97.60): VN055534.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN055534.D (-2641) (-)

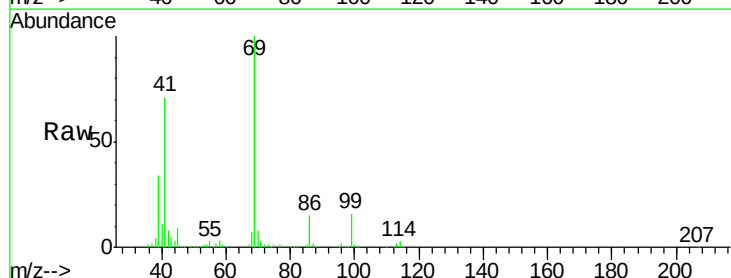
Ion 84.90 (84.60 to 85.60): VN055534.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN055534.D (-2641) (-)



#56
 Ethyl methacrylate
 Concen: 19.237 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

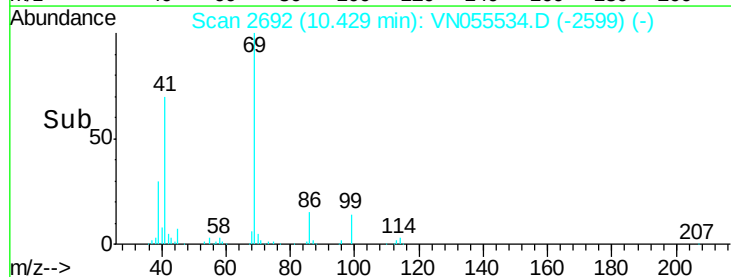
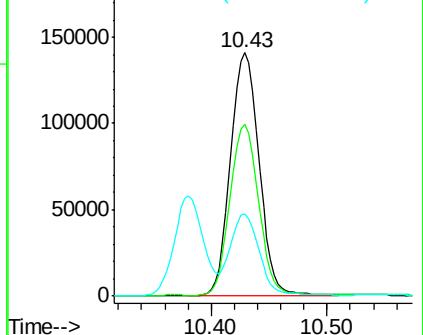
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		241911		
41	70.0	56.2	84.2		
39	33.1	27.8	41.6		

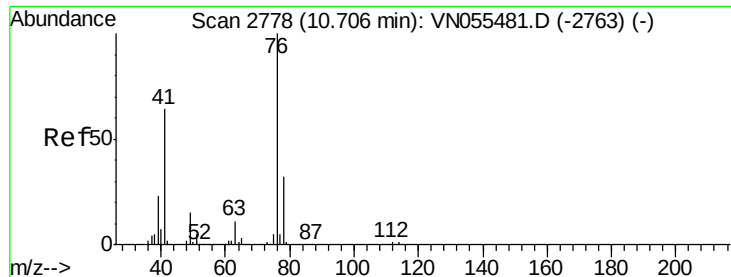


Abundance Ion 69.00 (68.70 to 69.70): VN055534.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN055534.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN055534.D (-2599) (-)





#57

1,3-Dichloropropane

Concen: 20.095 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD02

Tot Ion: 76 Resp: 301611

Ion Ratio Lower Upper

76 100

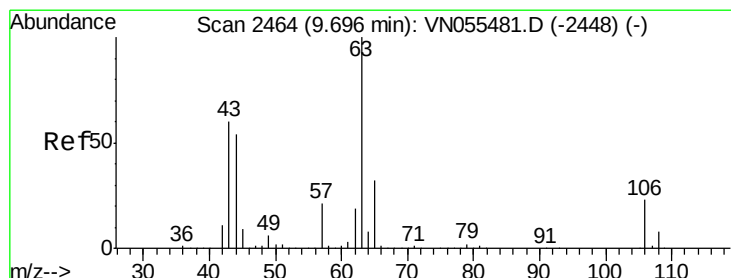
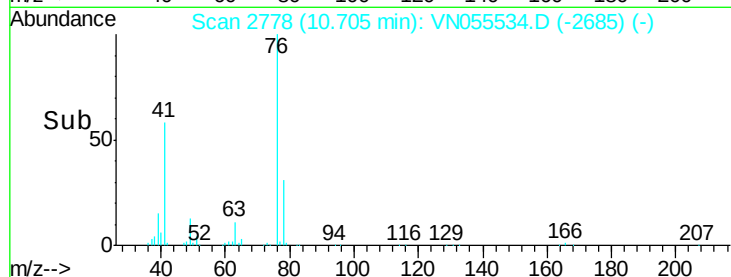
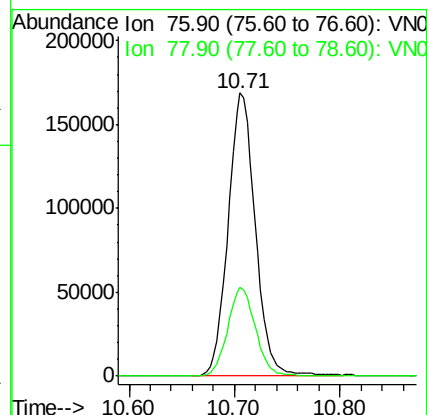
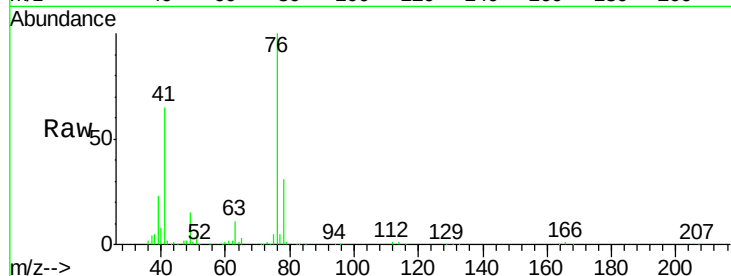
78 31.9 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 82.402 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055534.D

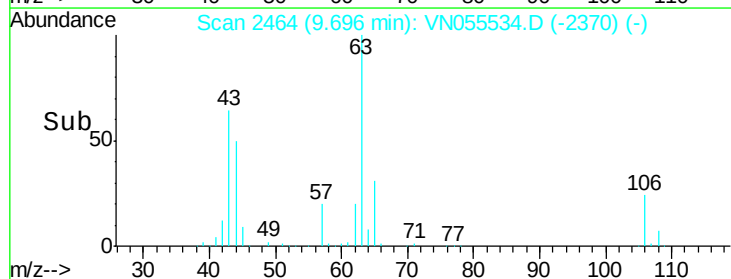
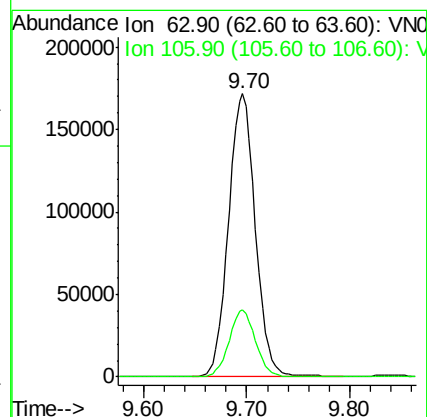
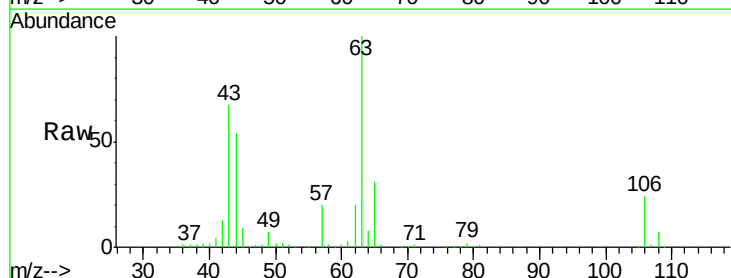
Acq: 10 May 2019 7:29

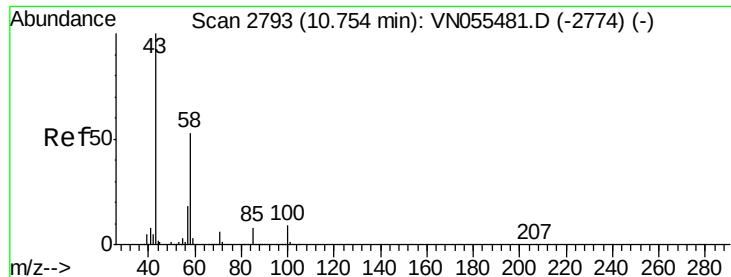
Tgt Ion: 63 Resp: 311456

Ion Ratio Lower Upper

63 100

106 23.2 18.6 27.8





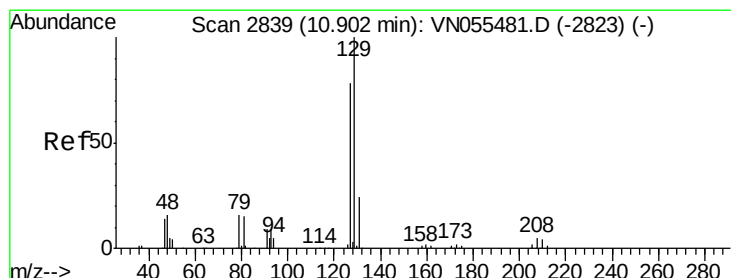
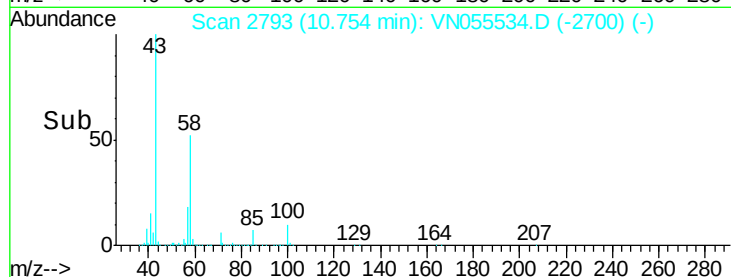
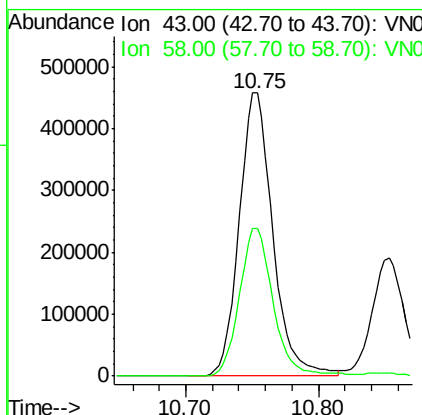
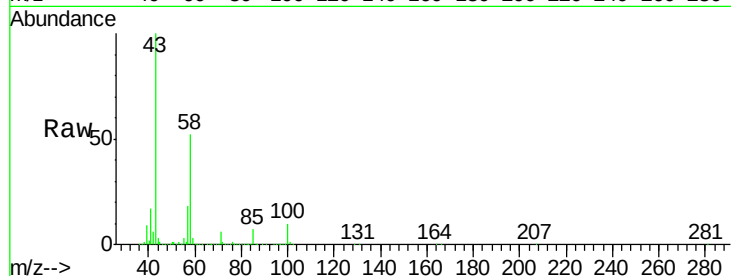
#59
2-Hexanone
Concen: 89.269 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampled :
VN0509WBSD02

Tot Ion: 43 Resp: 802480
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0

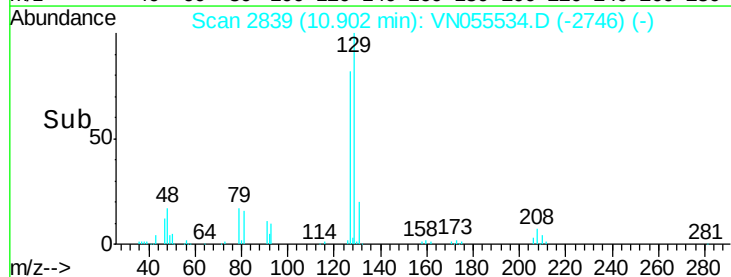
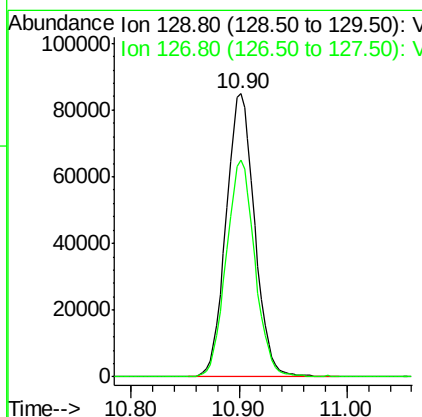
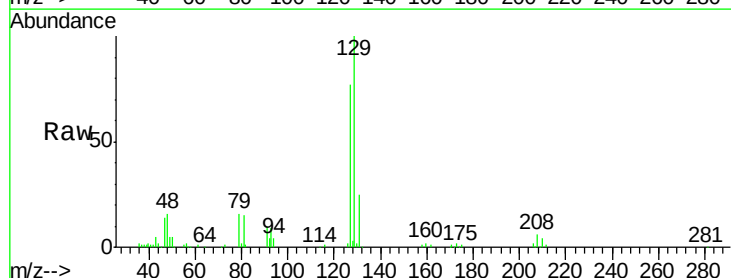
Manual Integrations
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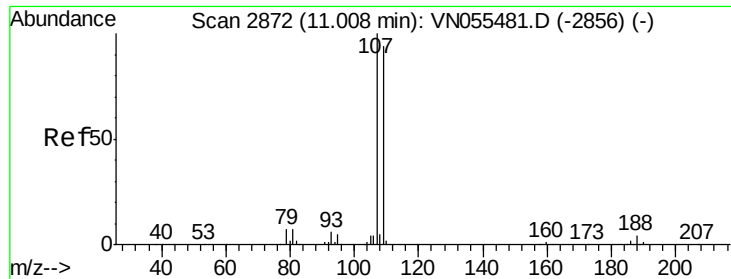
MMDadoda
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#60
Dibromochloromethane
Concen: 20.432 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion: 129 Resp: 157053
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





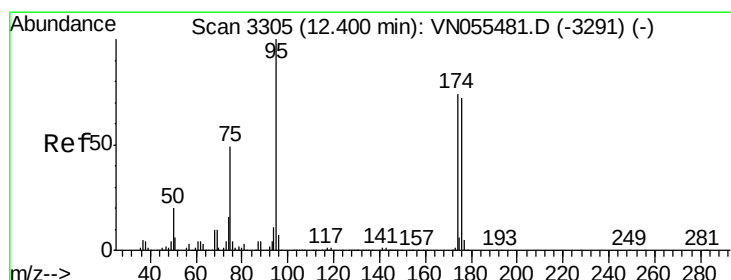
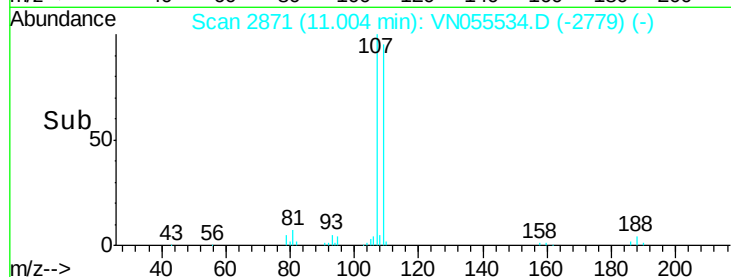
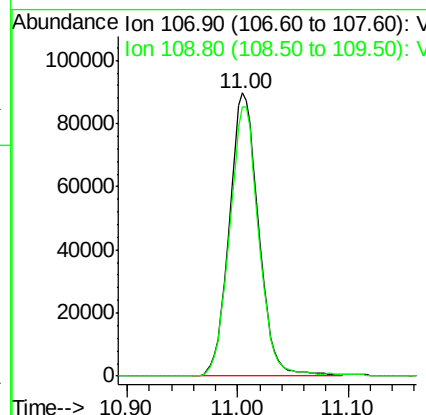
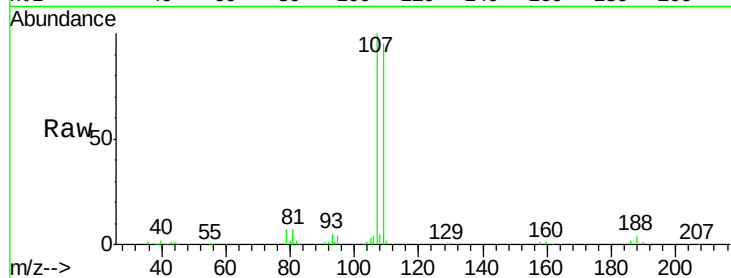
#61
 1,2-Dibromoethane
 Concen: 20.394 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBSD02

Tot Ion: 107 Resp: 165664
 Ion Ratio Lower Upper
 107 100
 109 94.4 74.2 111.4

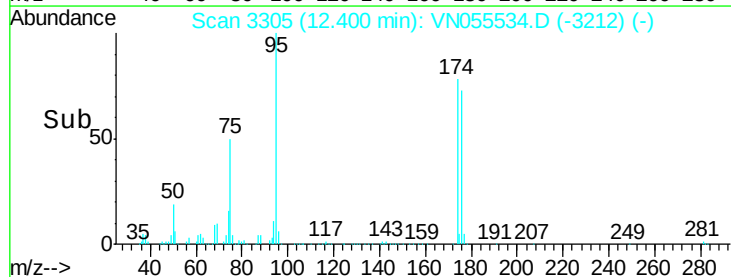
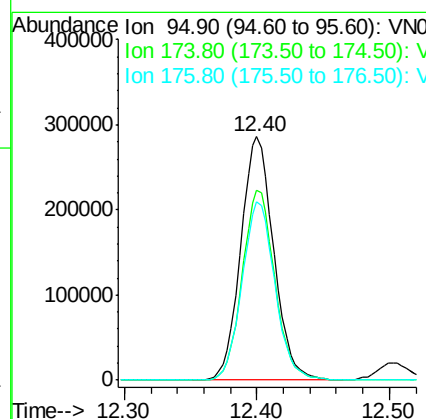
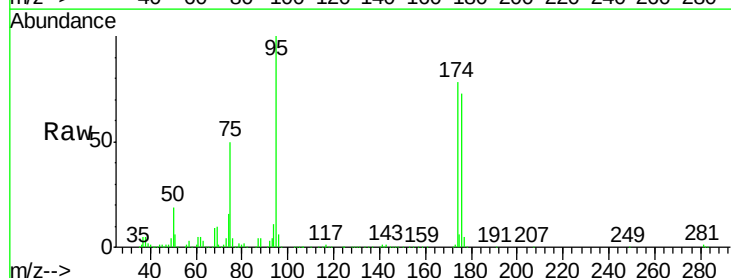
Manual Integrations
 APPROVED

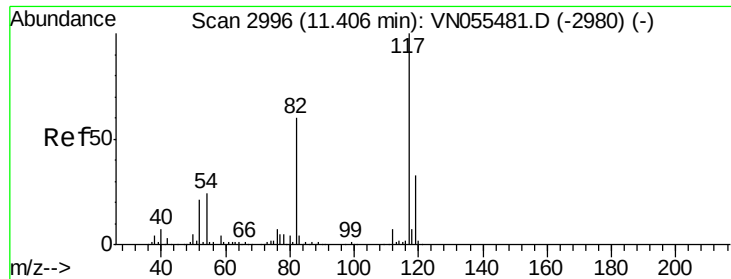
MMDadoda
 5/10/2019 12:44:31 PM



#62
 4-Bromofluorobenzene
 Concen: 48.650 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Tgt Ion: 95 Resp: 492261
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 152.2
 176 73.3 0.0 147.8





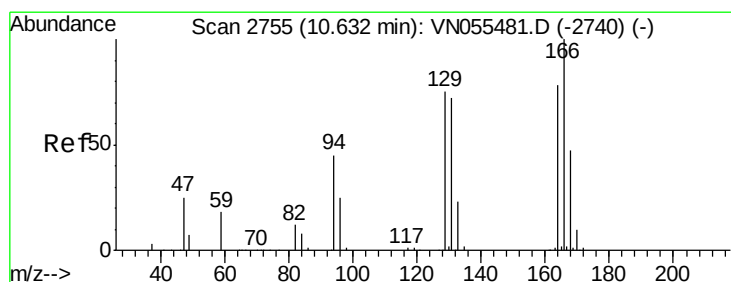
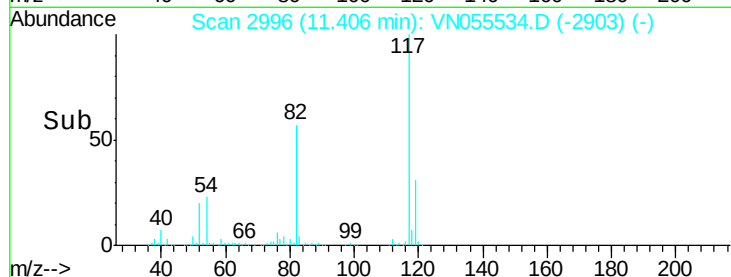
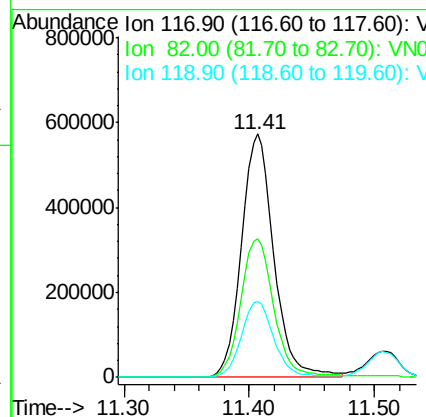
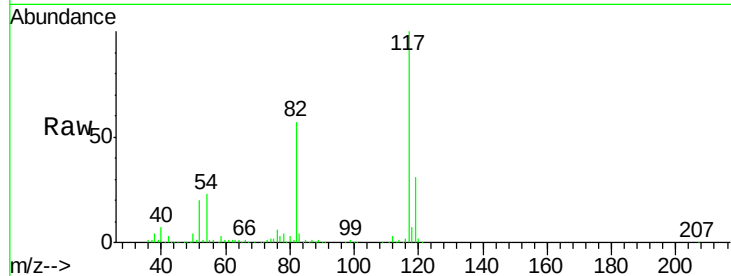
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion:117 Resp: 1027744
Ion Ratio Lower Upper
117 100
82 57.2 48.0 72.0
119 31.4 26.0 39.0

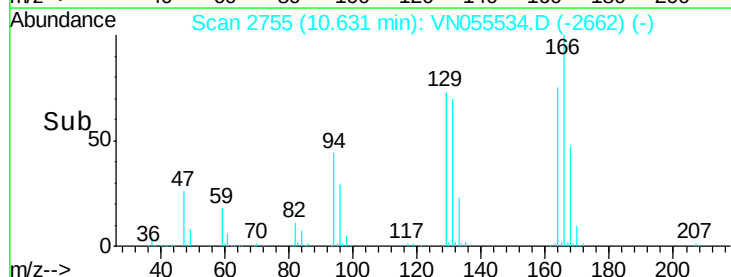
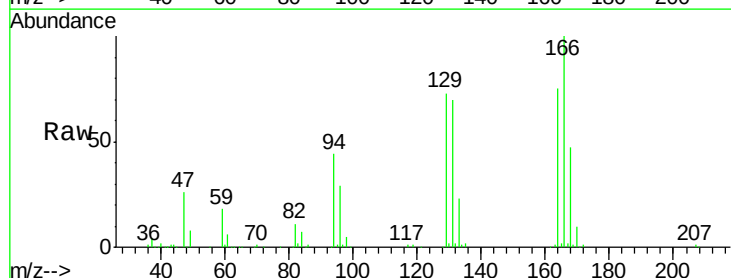
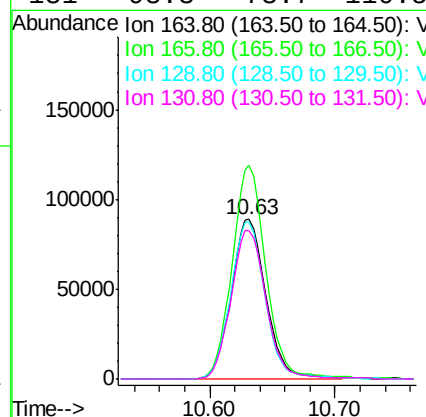
Manual Integrations
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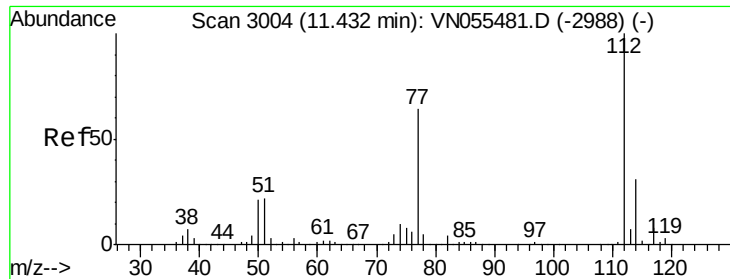
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#64
Tetrachloroethene
Concen: 20.313 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion:164 Resp: 171062
Ion Ratio Lower Upper
164 100
166 133.8 102.6 153.8
129 98.3 77.0 115.6
131 93.3 73.7 110.5





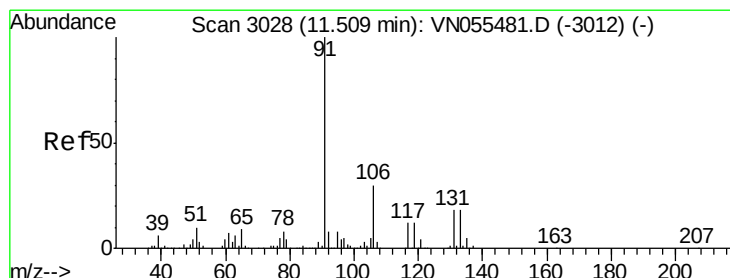
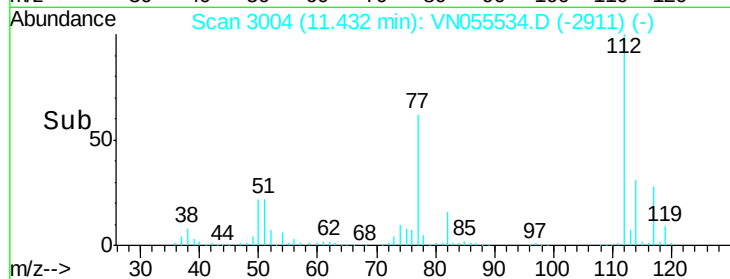
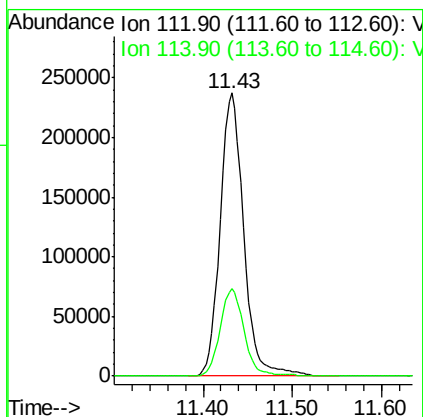
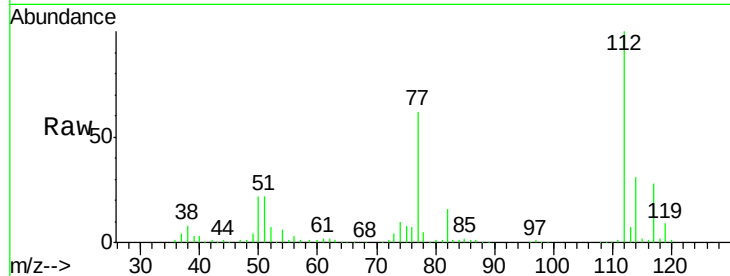
#65
Chlorobenzene
Concen: 20.549 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion:112 Resp: 434505
Ion Ratio Lower Upper
112 100
114 30.8 25.0 37.4

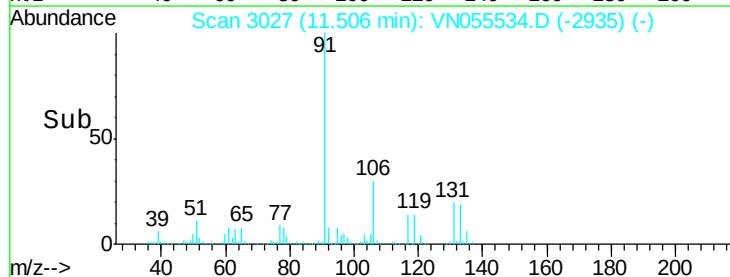
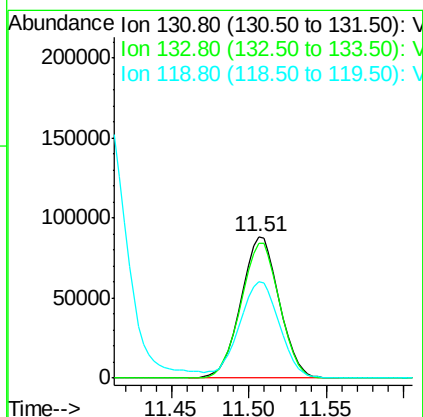
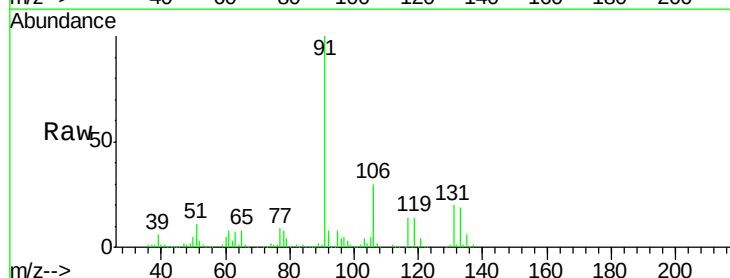
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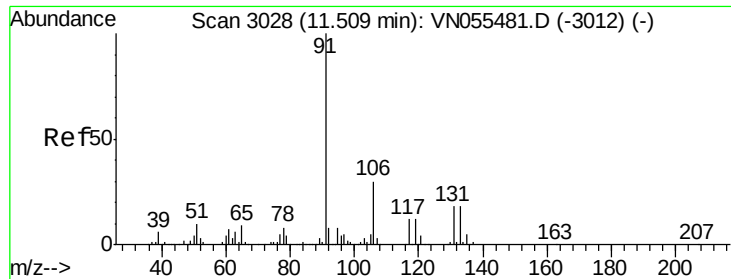
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.887 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion:131 Resp: 152041
Ion Ratio Lower Upper
131 100
133 96.8 47.4 142.2
119 71.8 34.1 102.2





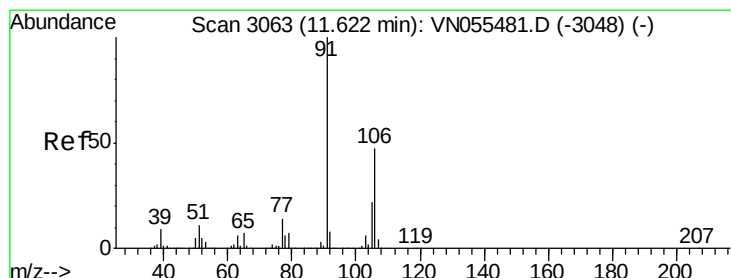
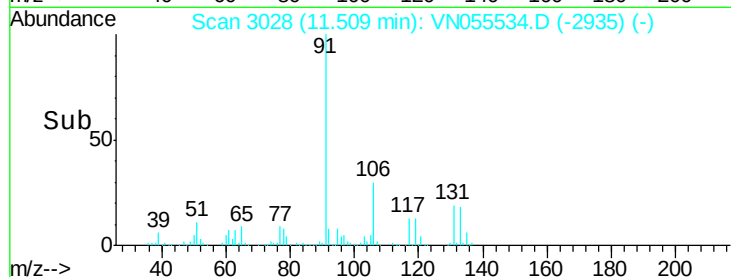
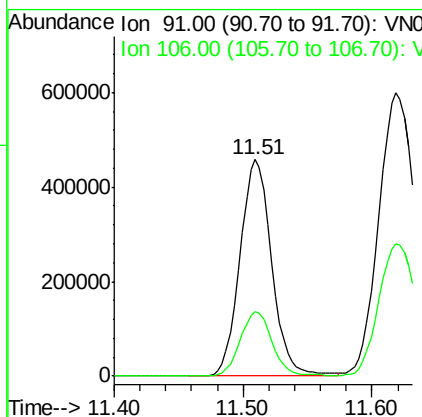
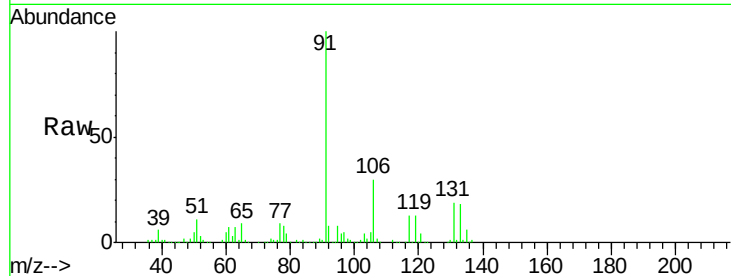
#67
Ethyl Benzene
Concen: 19.772 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampled :
VN0509WBSD02

Tot Ion: 91 Resp: 785195
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.6

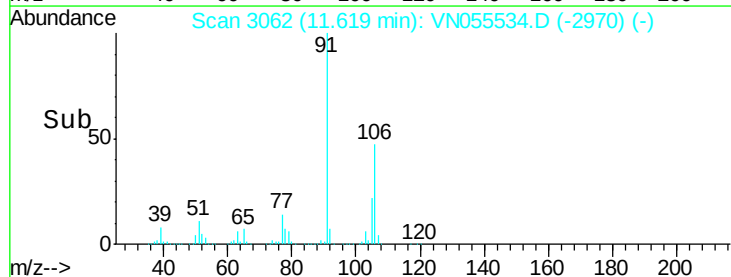
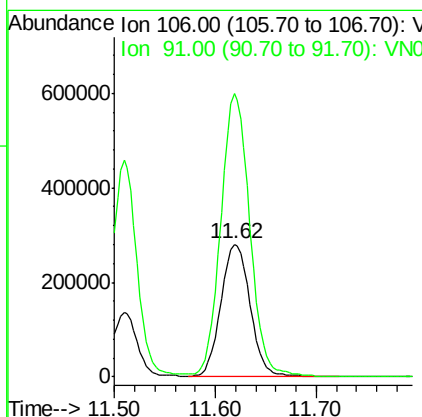
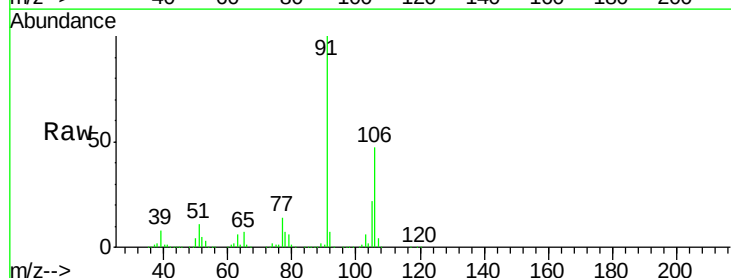
Manual Integrations
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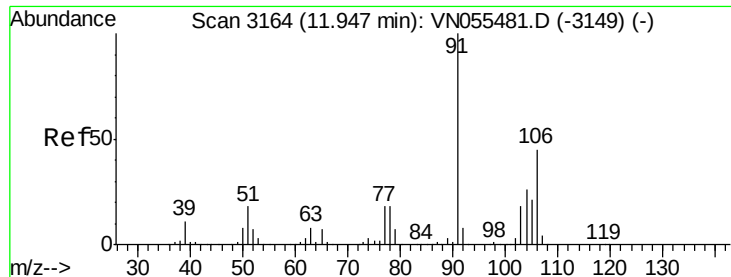
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#68
m/p-Xylenes
Concen: 40.090 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion: 106 Resp: 571346
Ion Ratio Lower Upper
106 100
91 211.2 169.2 253.8





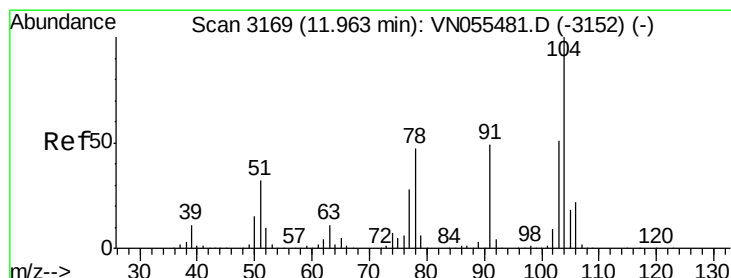
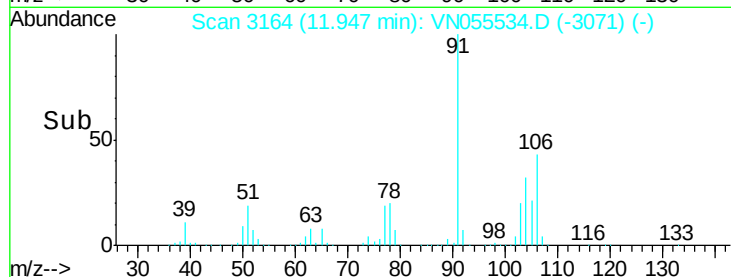
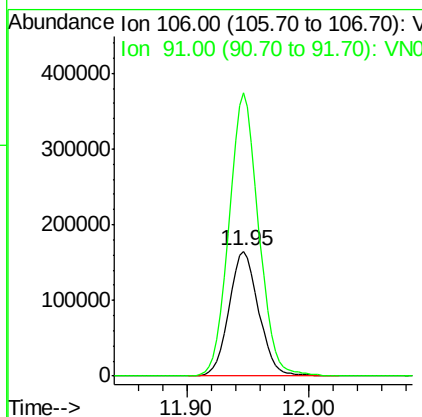
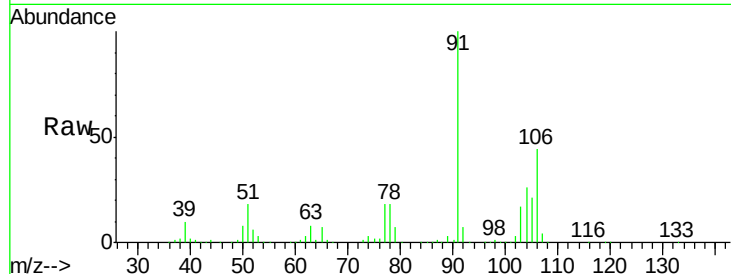
#69
o-Xylene
Concen: 19.977 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion:106 Resp: 279823
Ion Ratio Lower Upper
106 100
91 226.4 111.3 333.8

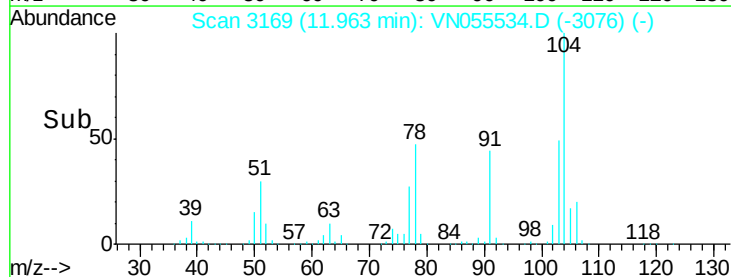
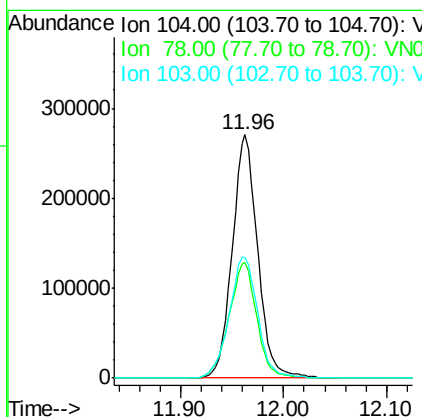
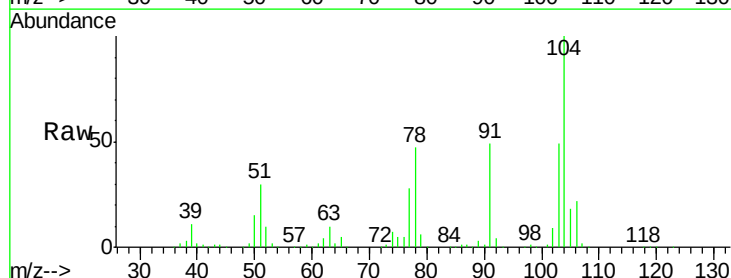
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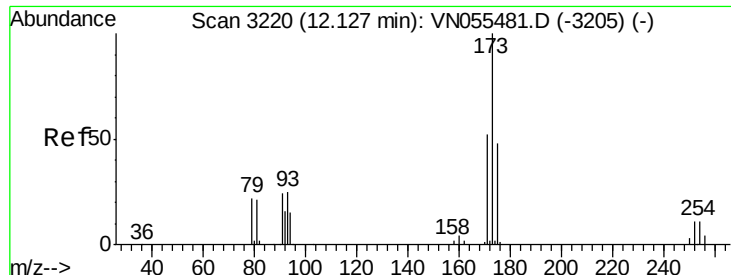
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#70
Styrene
Concen: 20.747 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion:104 Resp: 465606
Ion Ratio Lower Upper
104 100
78 51.8 41.6 62.4
103 55.7 44.4 66.6





#71

Bromoform

Concen: 20.018 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

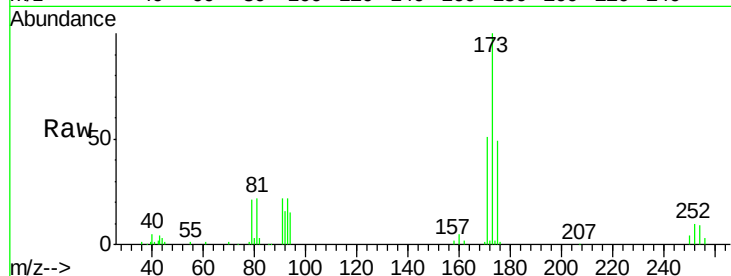
ClientSampleId :

VN0509WBSD02

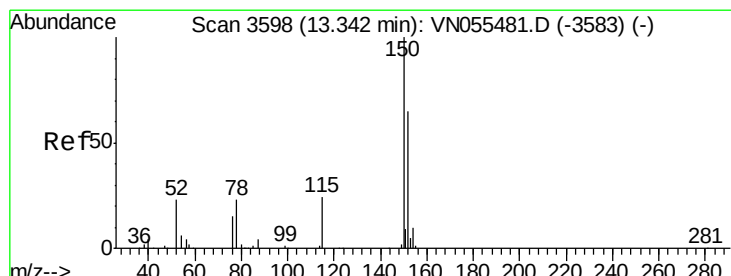
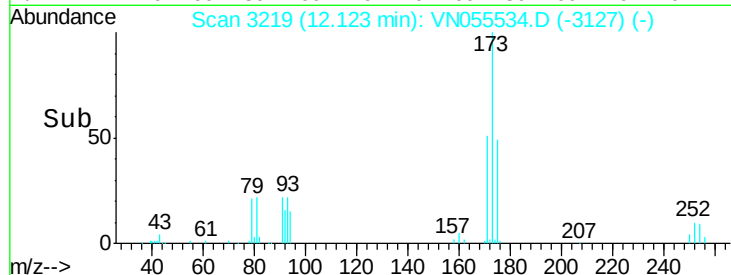
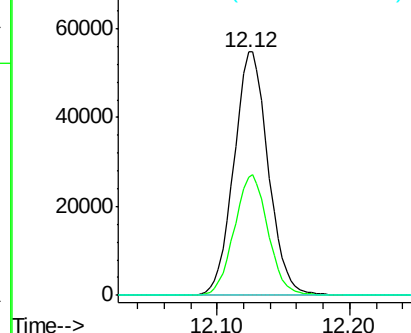
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	0.1	0.1	0.1

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

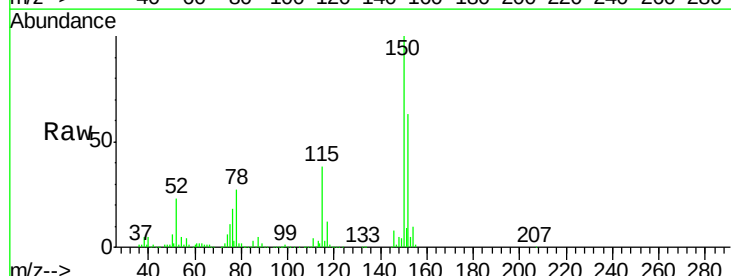
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

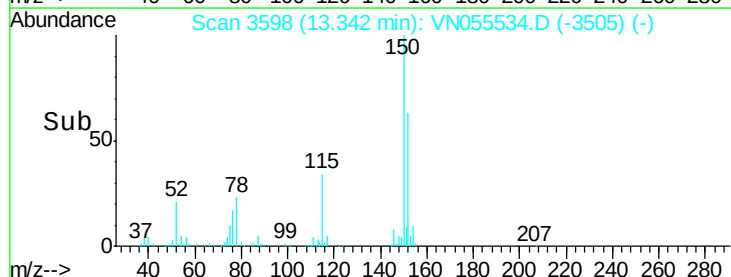
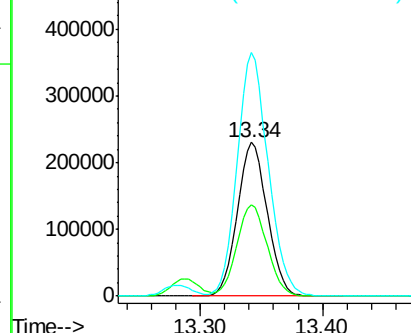
Lab File: VN055534.D

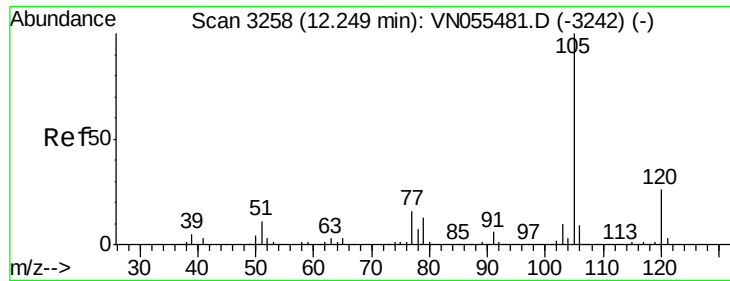
Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.1	90.5
150	164.8	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: 21.813 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD02

Tot Ion: 105 Resp: 747260

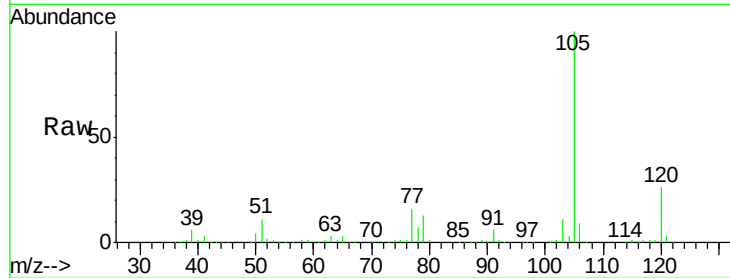
Ion Ratio Lower Upper

105 100

120 26.1 13.0 39.0

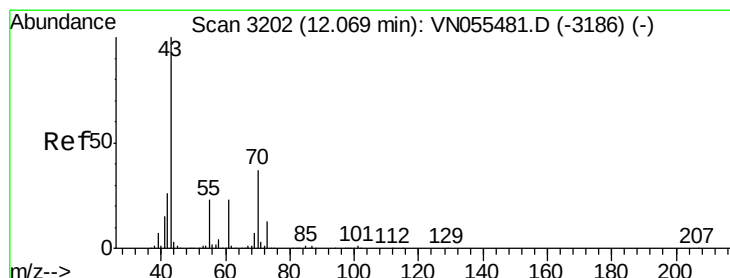
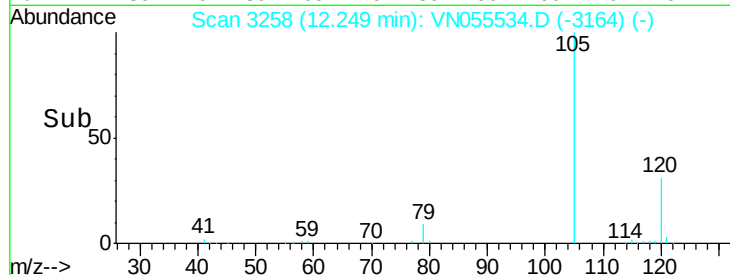
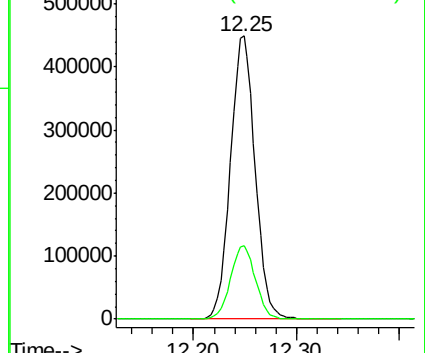
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.204 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Tgt Ion: 43 Resp: 284493

Ion Ratio Lower Upper

43 100

70 38.6 30.7 46.1

55 24.8 19.3 28.9

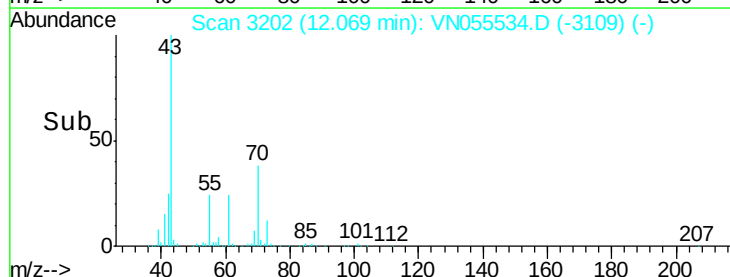
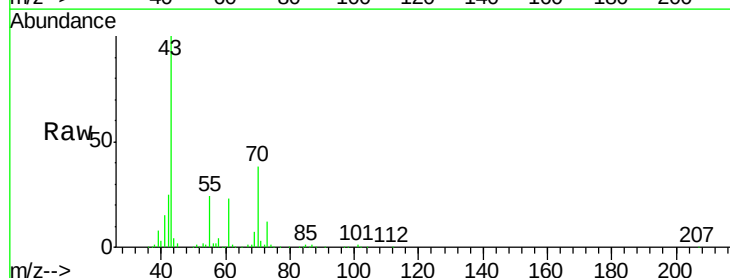
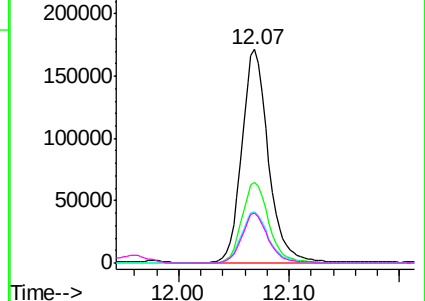
61 23.2 18.6 27.8

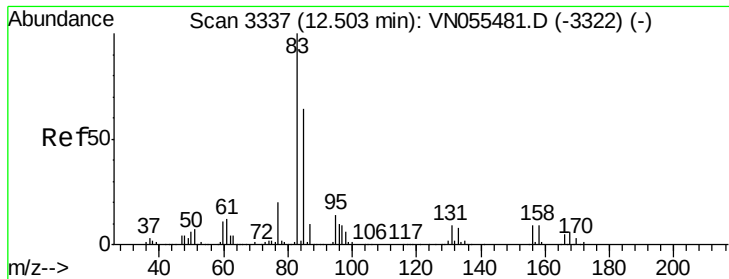
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.216 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

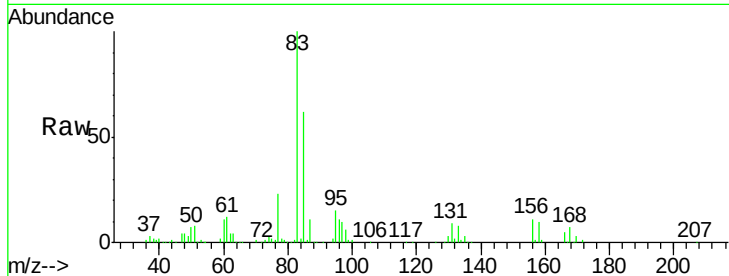
ClientSampleId :

VN0509WBSD02

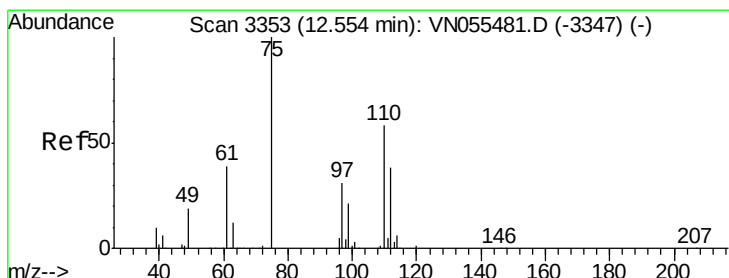
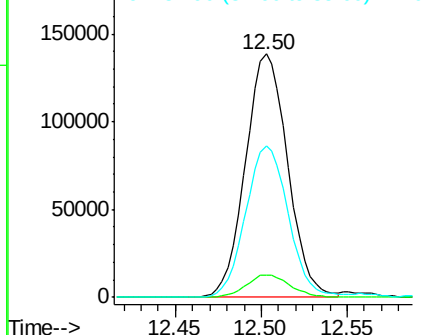
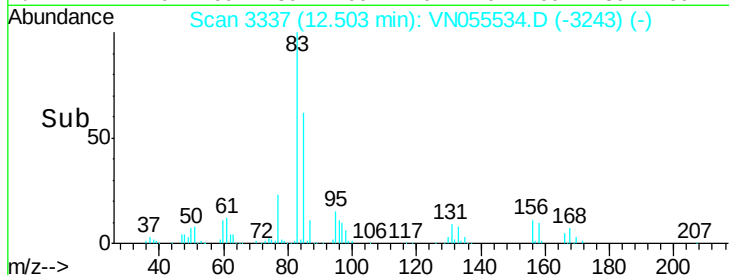
Tot Ion:	83	Resp:	236672
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.5
85	63.1	32.0	96.0

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Abundance Ion 82.90 (82.60 to 83.60): VN055534.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 19.091 ug/l m

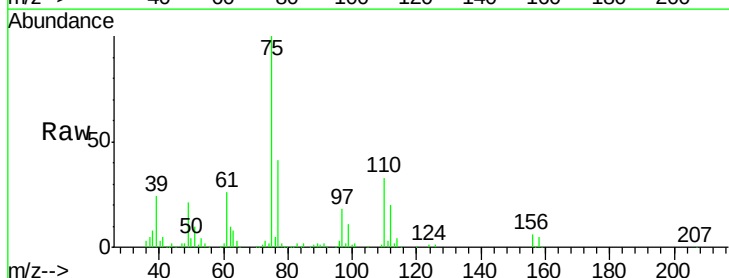
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

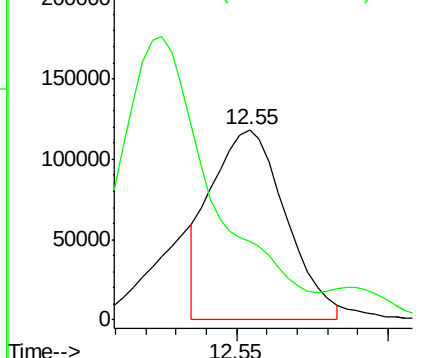
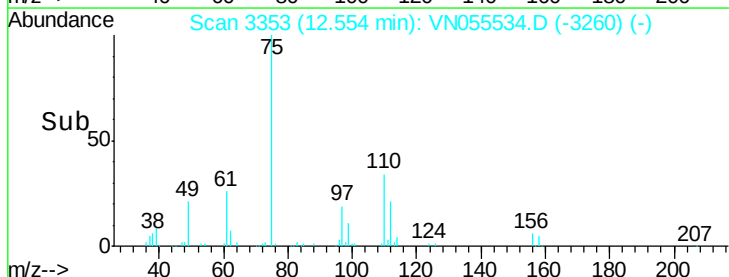
Lab File: VN055534.D

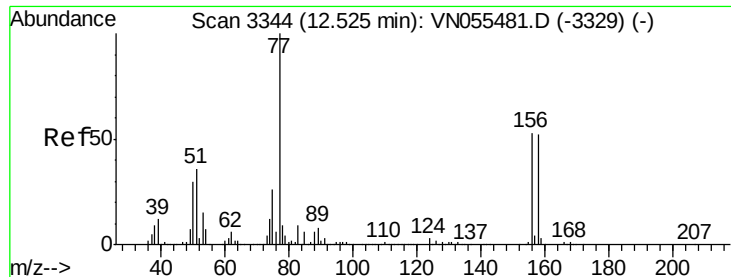
Acq: 10 May 2019 7:29

Tgt Ion:	75	Resp:	202792
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055534.D (-3260) (-)





#77

Bromobenzene

Concen: 19.987 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

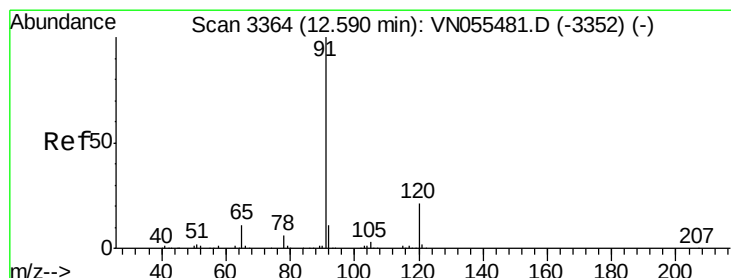
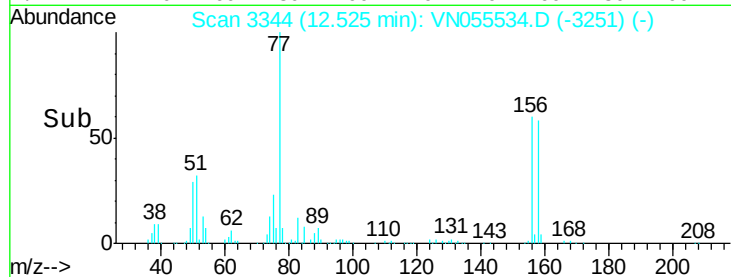
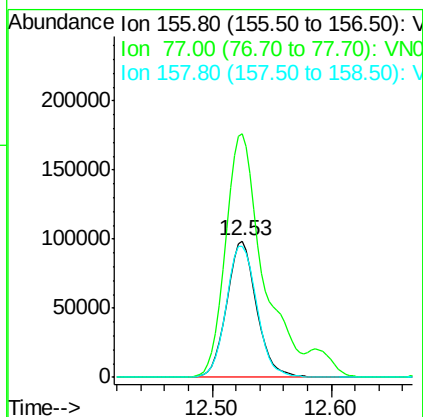
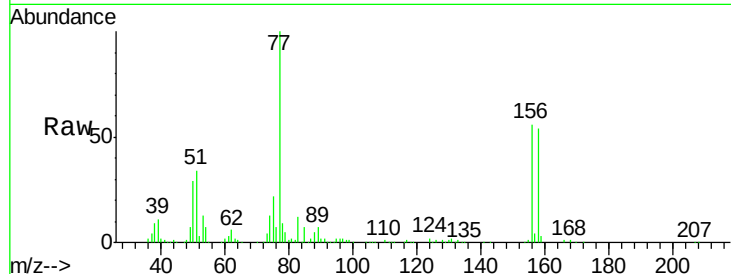
ClientSampleId :

VN0509WBSD02

Tot Ion:	156	Resp:	171873
Ion Ratio	Lower	Upper	
156	100		
77	222.1	115.4	346.2
158	99.3	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 19.549 ug/l

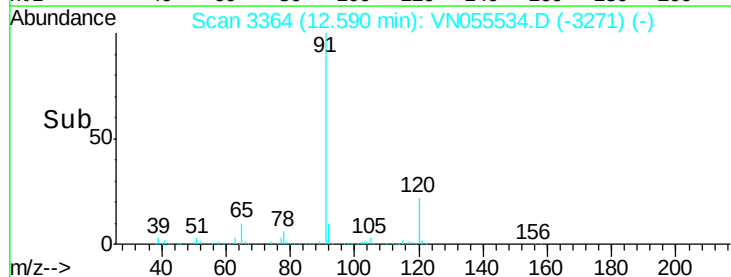
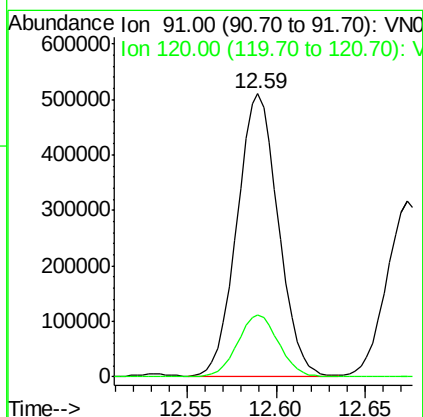
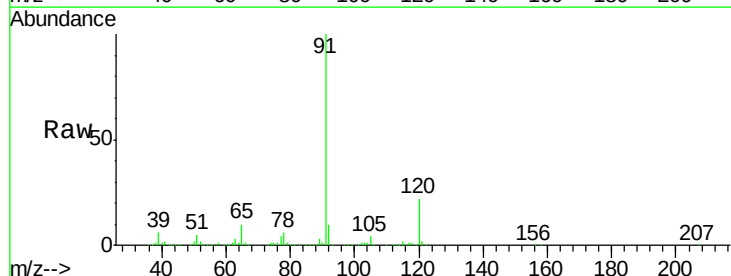
RT: 12.59 min Scan# 3364

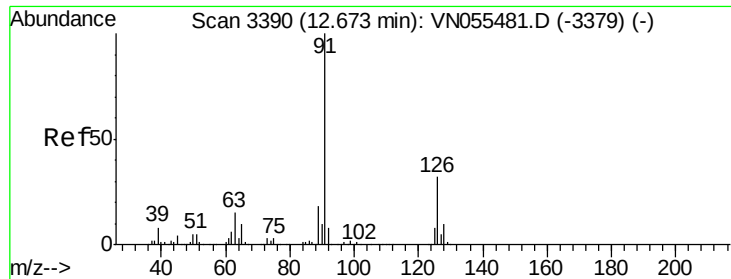
Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Tgt Ion:	91	Resp:	818158
Ion Ratio	Lower	Upper	
91	100		
120	22.1	10.8	32.3





#79

2-Chlorotoluene

Concen: 19.897 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD02

Tot Ion: 91 Resp: 518959

Ion Ratio Lower Upper

91 100

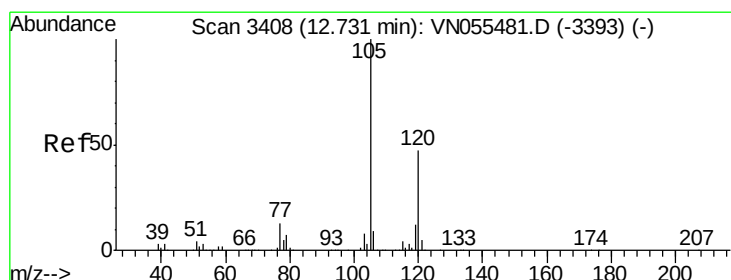
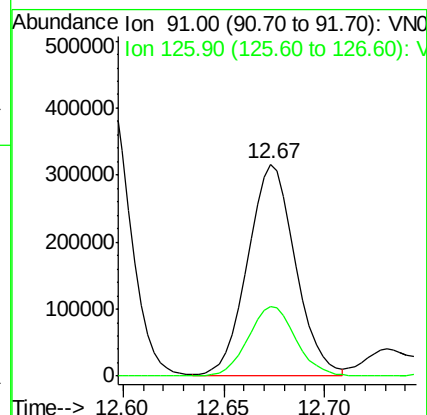
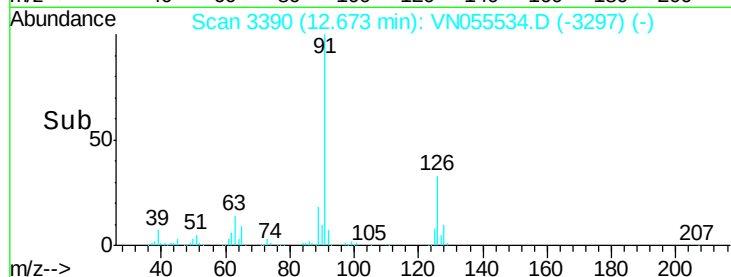
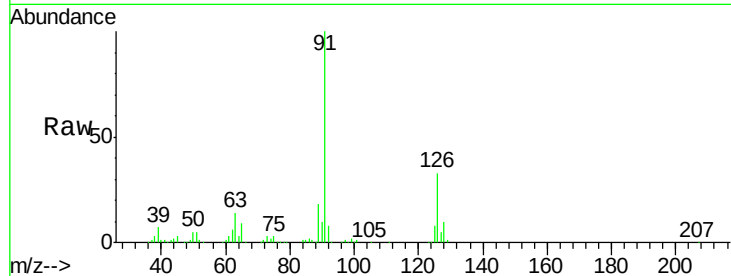
126 33.2 16.0 47.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.113 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055534.D

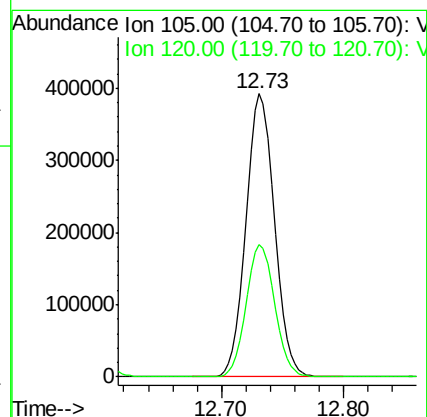
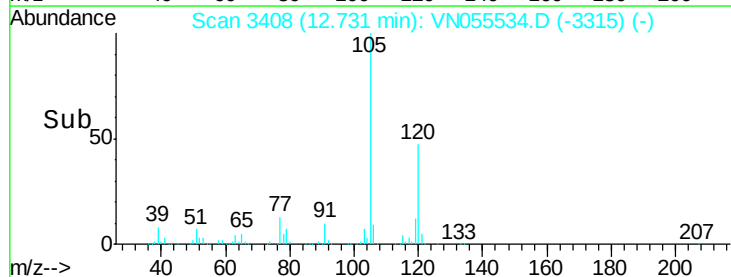
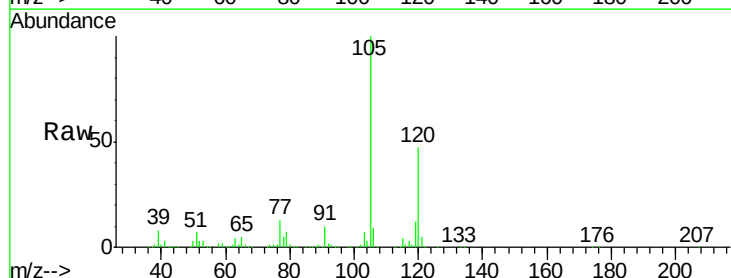
Acq: 10 May 2019 7:29

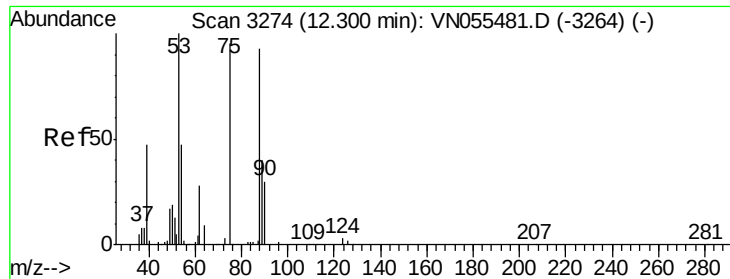
Tgt Ion: 105 Resp: 627664

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0





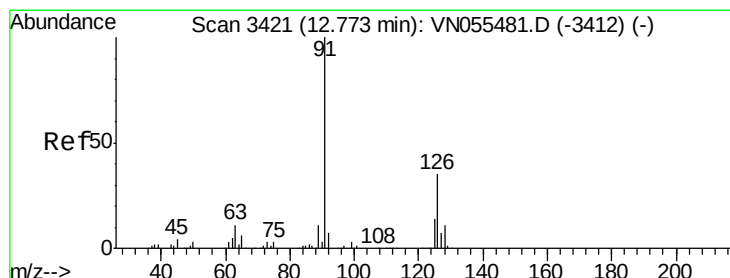
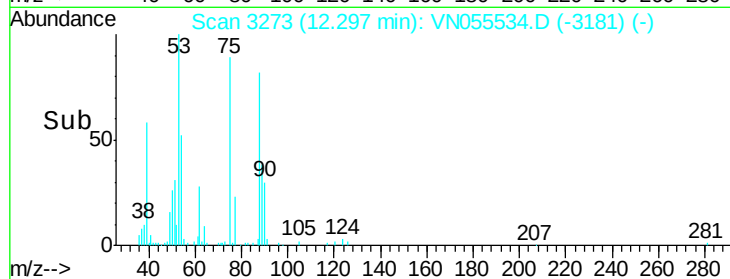
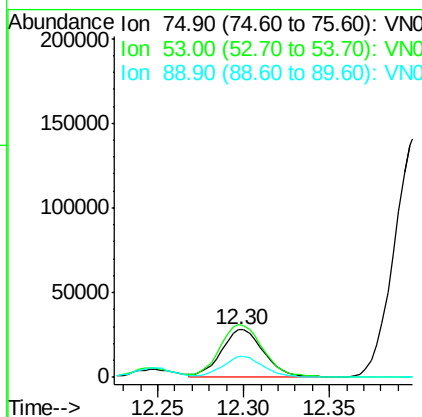
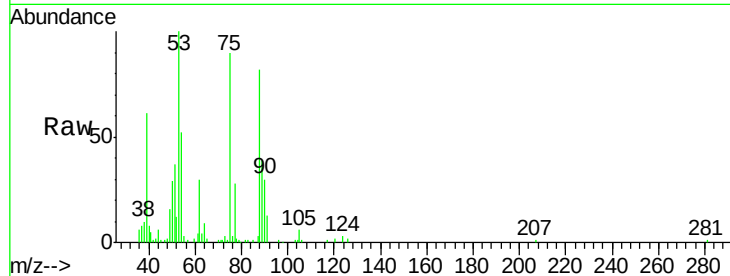
#81
trans-1,4-Dichloro-2-butene
Concen: 16.729 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.9	86.5	129.7
89	43.1	35.7	53.5

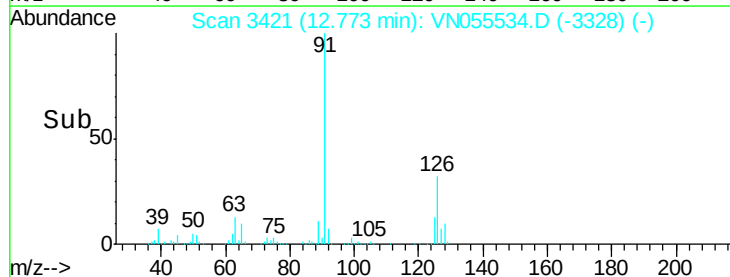
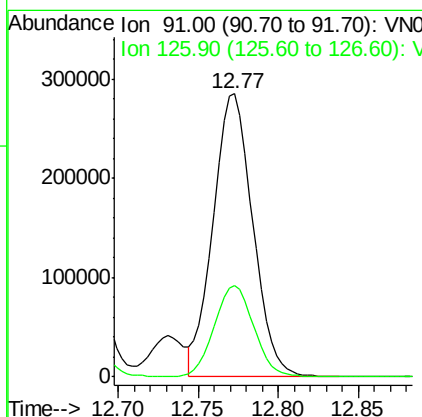
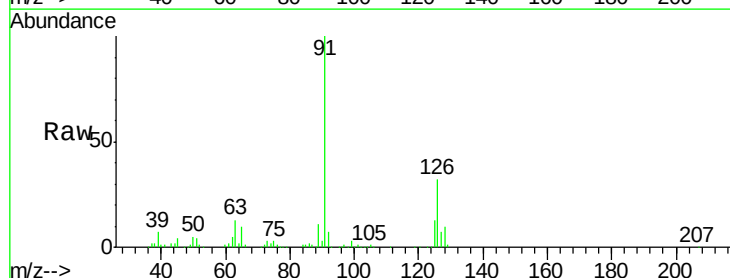
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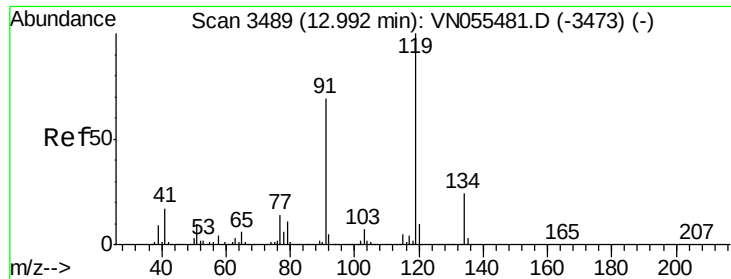
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.692 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.0





#83

tert-Butylbenzene

Concen: 19.697 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

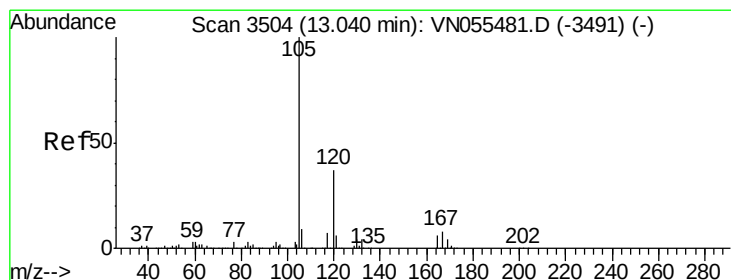
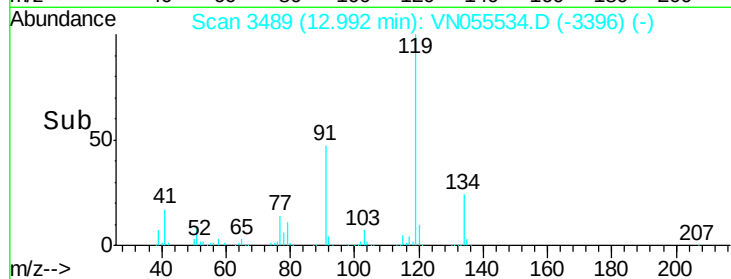
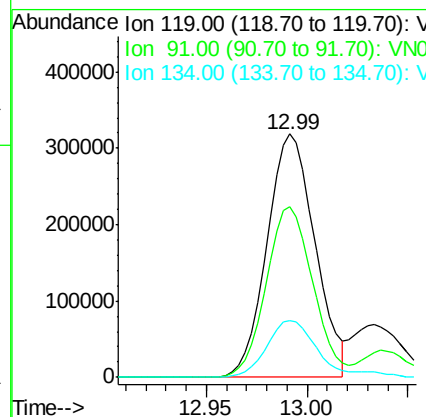
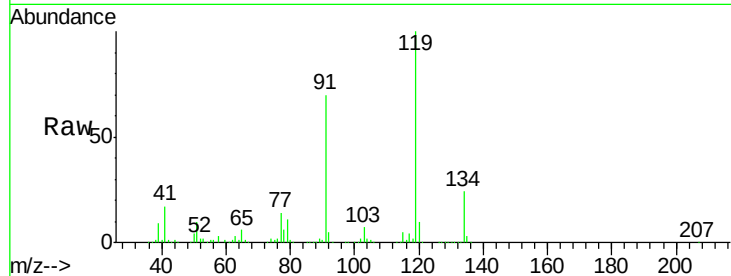
ClientSampleId :

VN0509WBSD02

Tot Ion:	119	Resp:	526868
Ion Ratio	Lower	Upper	
119	100		
91	68.7	33.8	101.3
134	25.4	12.5	37.5

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#84

1,2,4-Trimethylbenzene

Concen: 20.220 ug/l

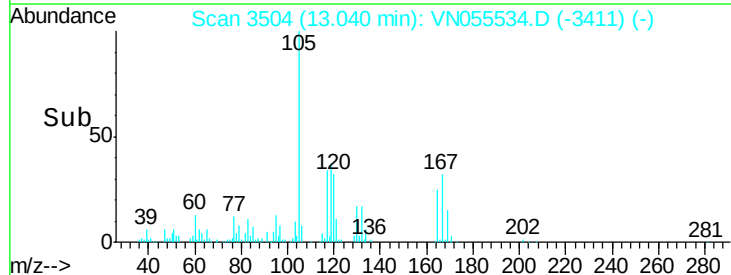
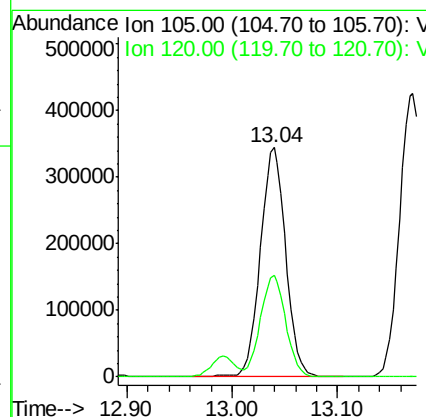
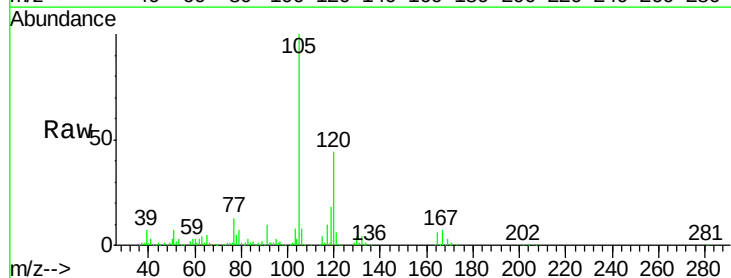
RT: 13.04 min Scan# 3504

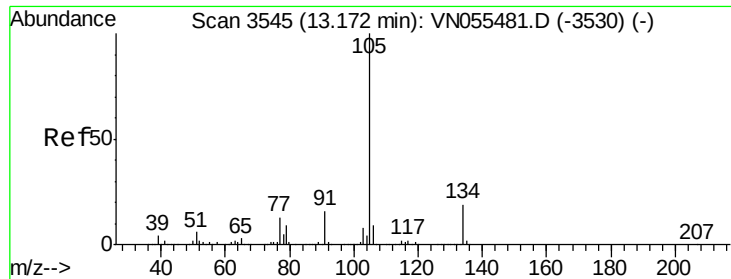
Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Tgt Ion:	105	Resp:	578690
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.453 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD02

Tot Ion:105 Resp: 691547

Ion Ratio Lower Upper

105 100

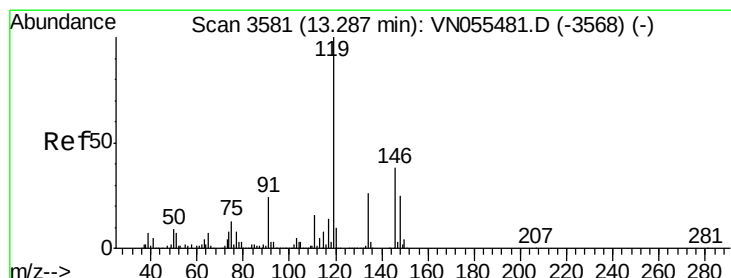
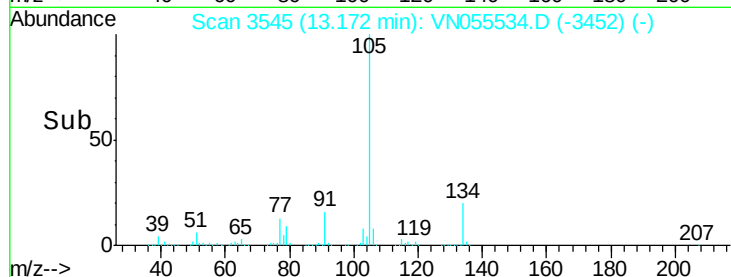
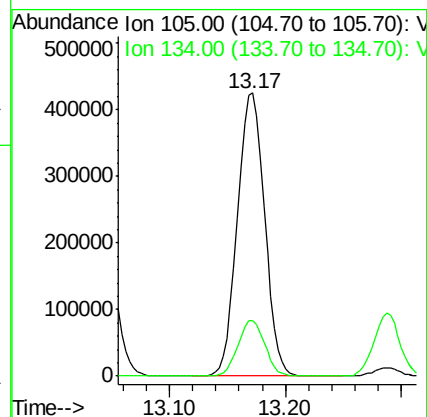
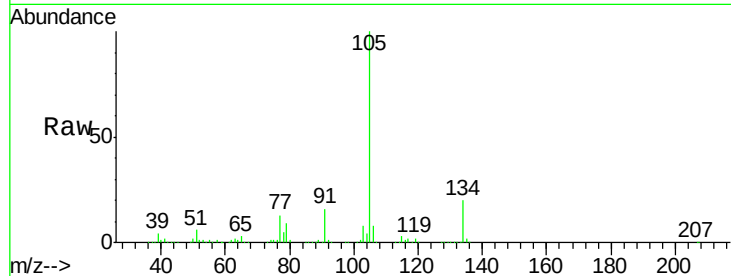
134 19.3 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 19.199 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

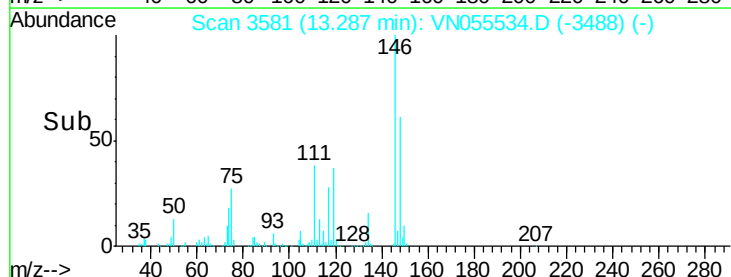
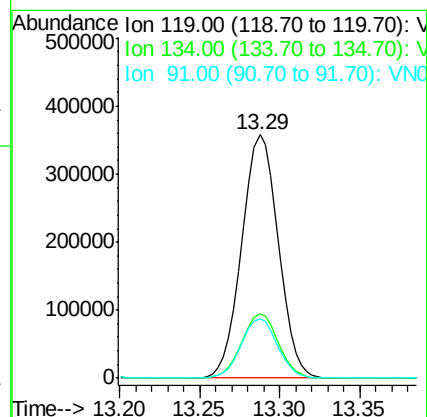
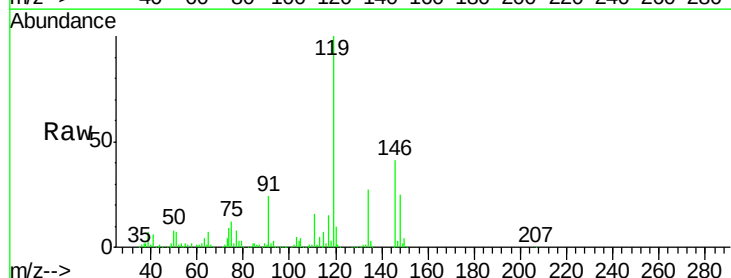
Tgt Ion:119 Resp: 555454

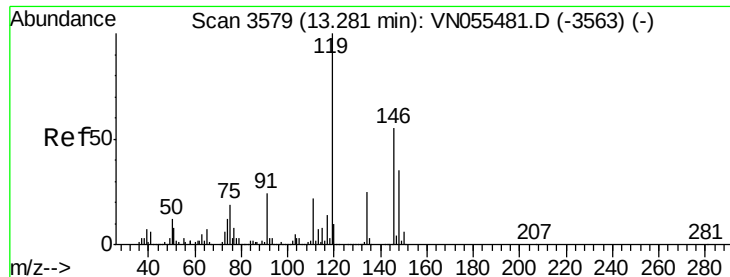
Ion Ratio Lower Upper

119 100

134 26.7 12.8 38.4

91 24.2 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 21.194 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Instrument :

MSVOA_N

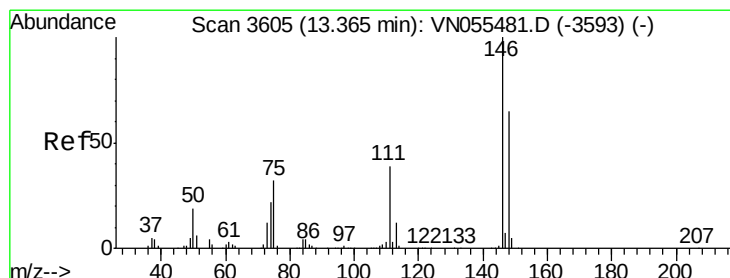
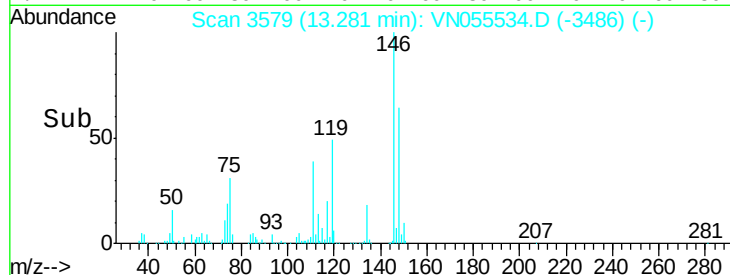
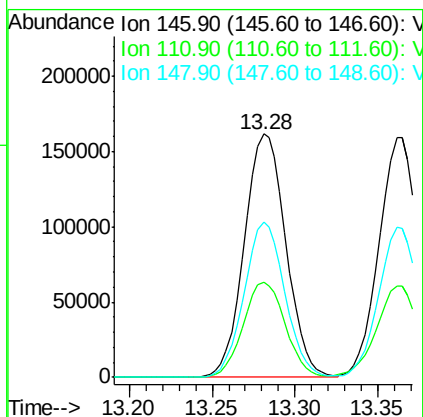
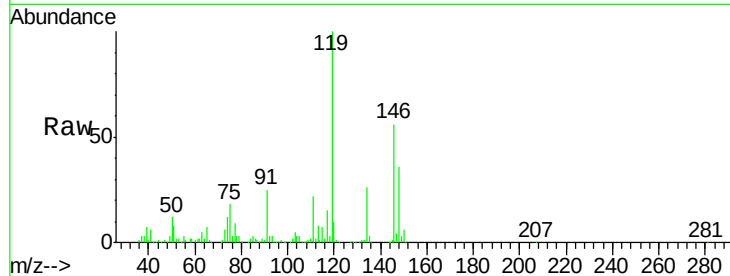
ClientSampleId :

VN0509WBSD02

Tot Ion:	146	Resp:	281625
Ion Ratio		Lower	Upper
146	100		
111	39.5	20.4	61.3
148	62.2	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 20.480 ug/l

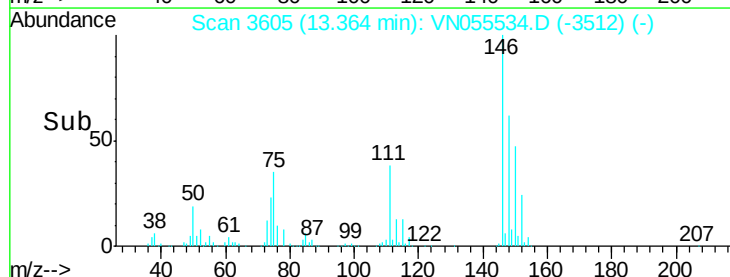
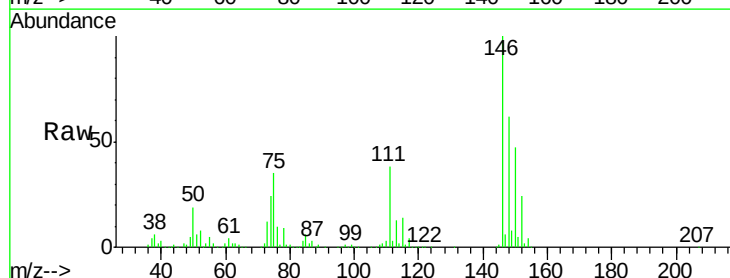
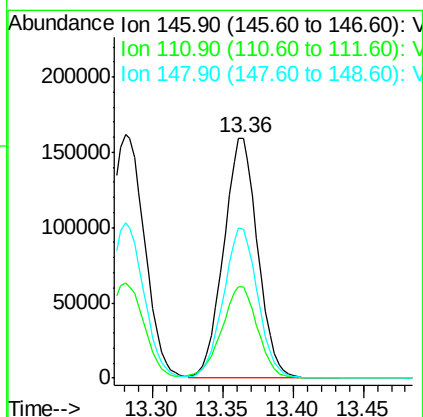
RT: 13.36 min Scan# 3605

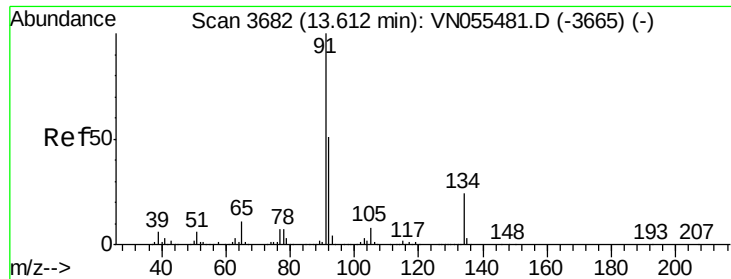
Delta R.T. -0.00 min

Lab File: VN055534.D

Acq: 10 May 2019 7:29

Tgt Ion:	146	Resp:	268568
Ion Ratio		Lower	Upper
146	100		
111	40.1	19.6	58.8
148	63.2	32.5	97.4





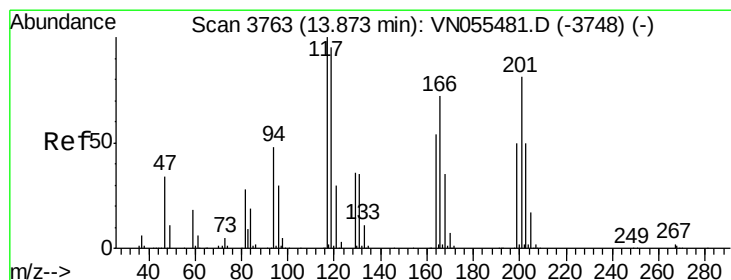
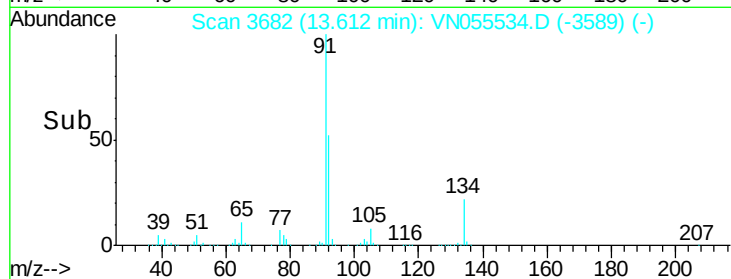
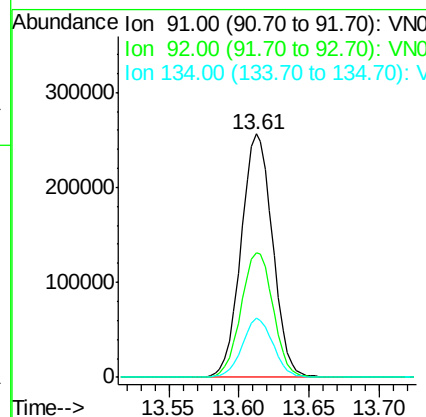
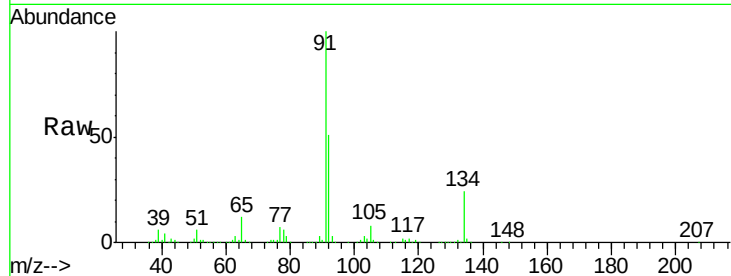
#89
n-Butylbenzene
Concen: 17.912 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.7
134	23.7	11.8	35.4

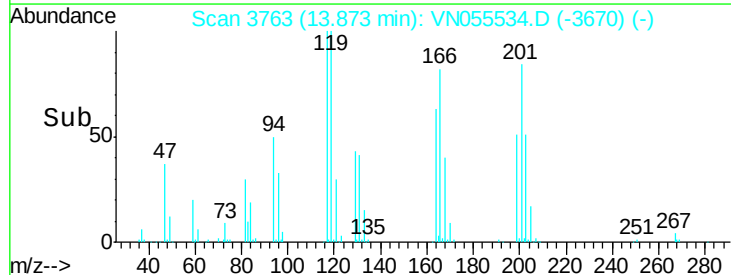
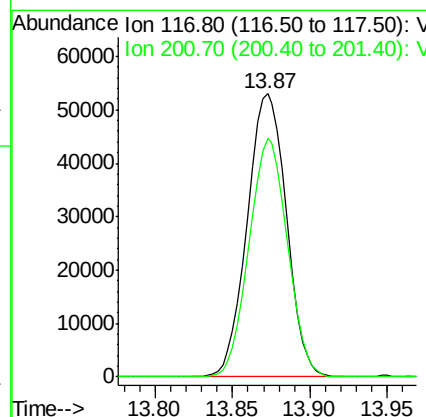
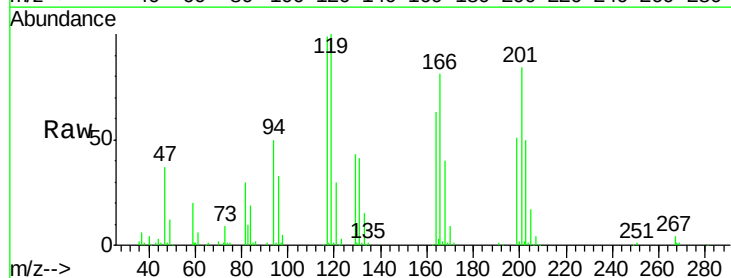
Manual Integrations
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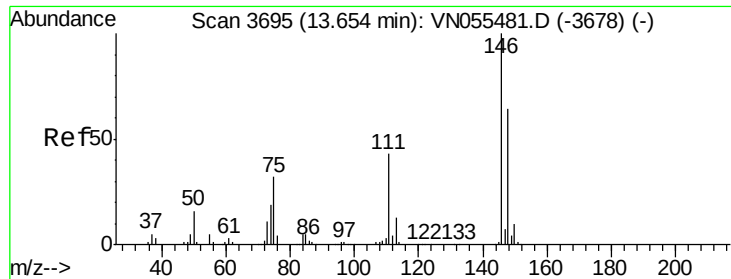
MMDadoda
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#90
Hexachloroethane
Concen: 19.817 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	40.1	120.2





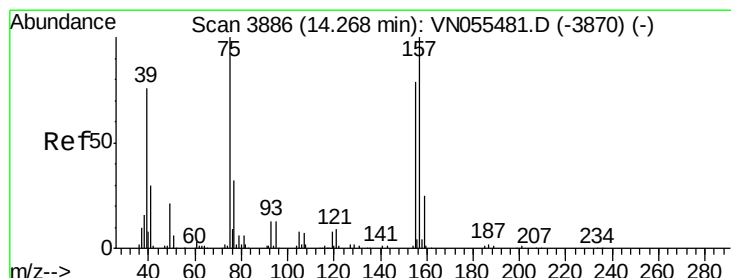
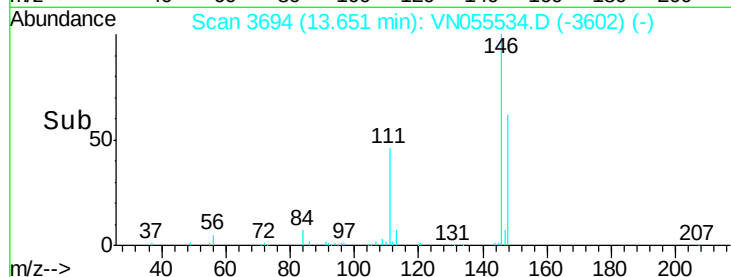
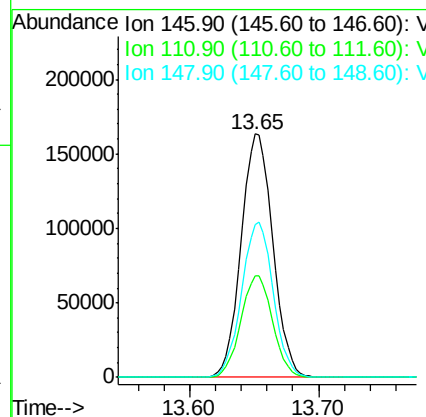
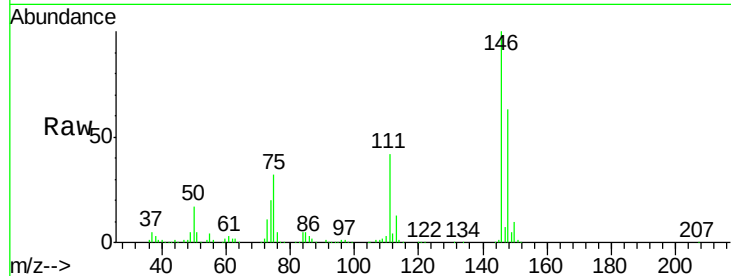
#91
 1,2-Dichlorobenzene
 Concen: 21.099 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	280197		
111	41.5	21.3	63.7	
148	63.4	31.9	95.9	

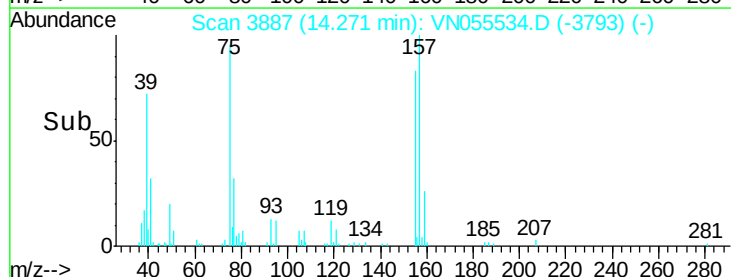
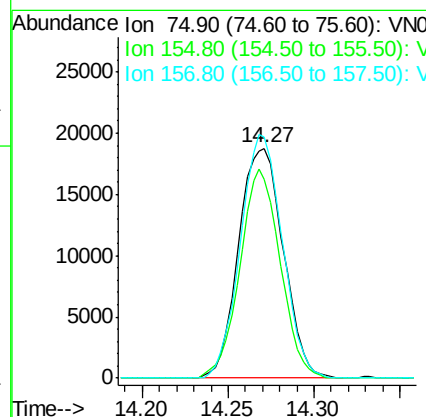
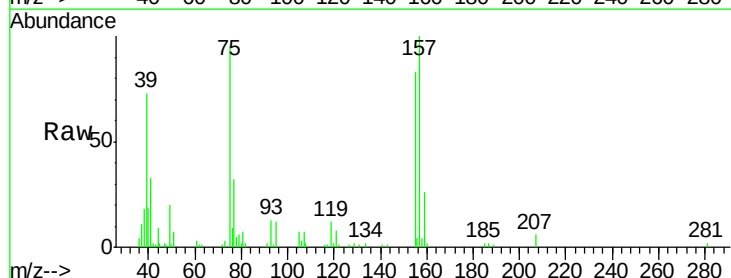
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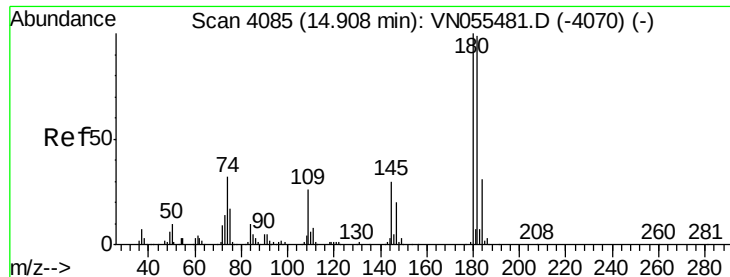
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.922 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33952		
155	81.8	39.3	117.8	
157	99.5	50.6	151.8	





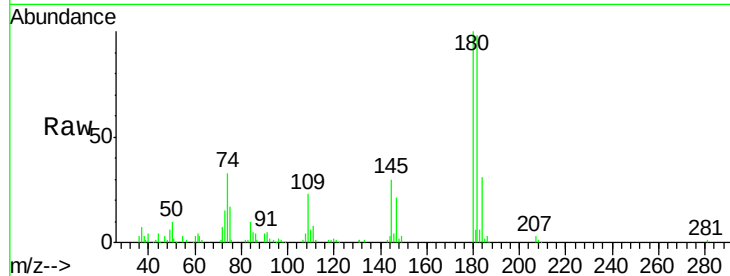
#93
 1,2,4-Trichlorobenzene
 Concen: 18.726 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD02

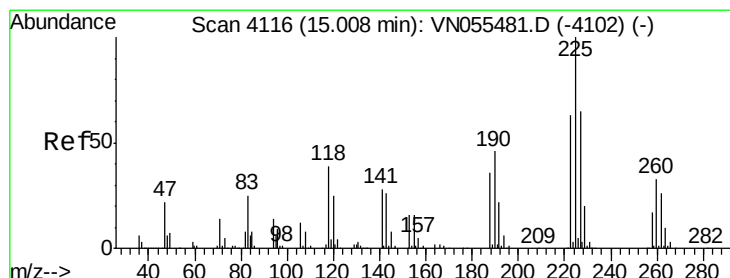
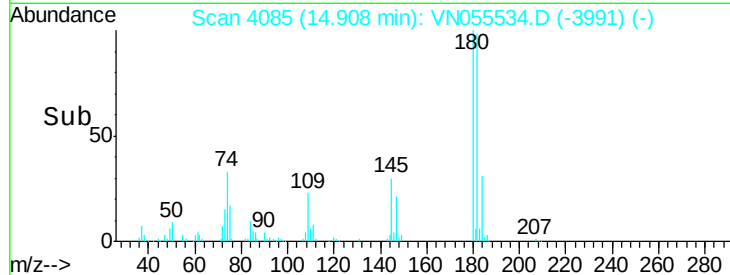
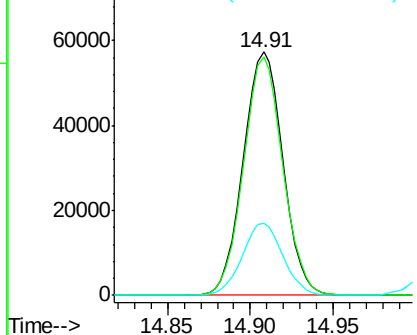
Tot Ion	Ratio	Resp	Lower	Upper
180	100	95893		
182	96.7	48.7	146.1	
145	30.2	15.3	45.9	

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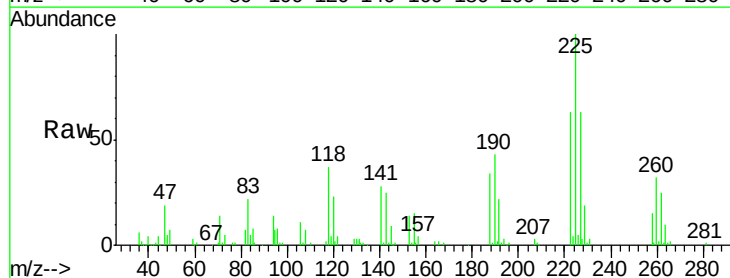


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

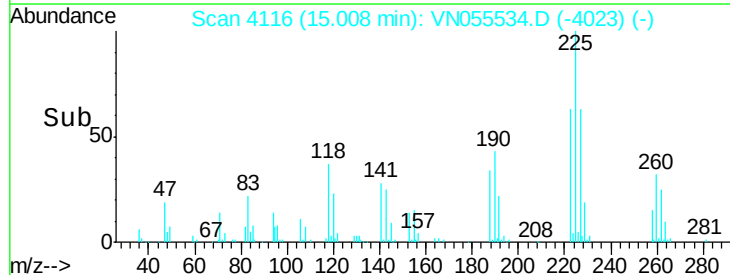
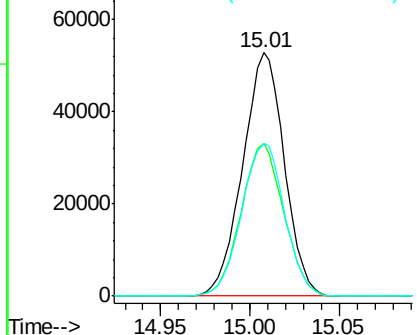


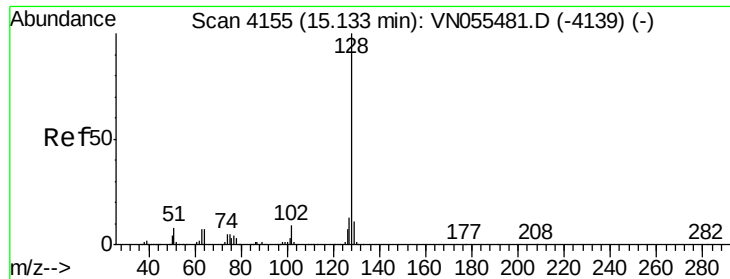
#94
 Hexachlorobutadiene
 Concen: 20.603 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055534.D
 Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86351		
223	64.3	31.4	94.3	
227	64.7	32.0	96.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





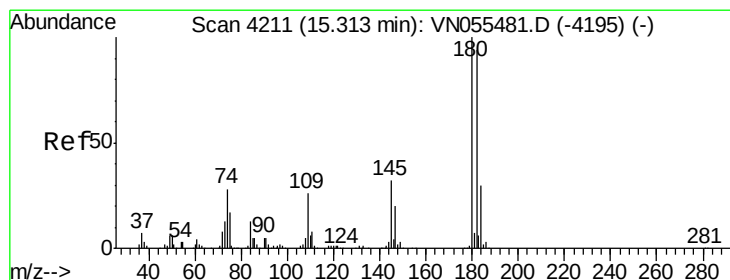
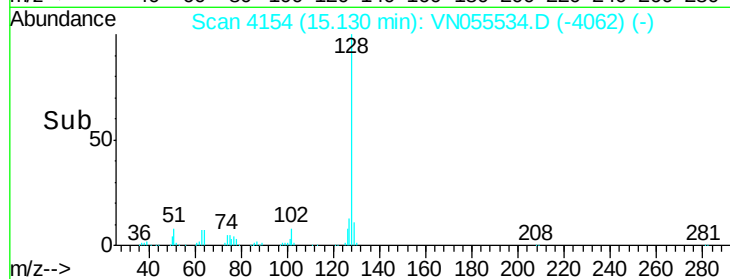
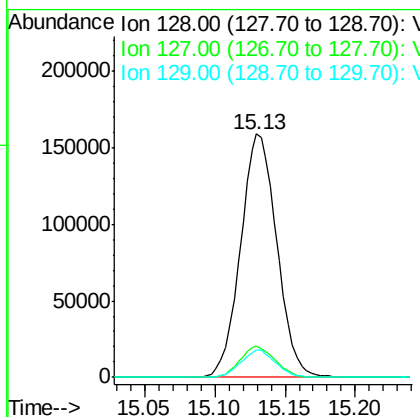
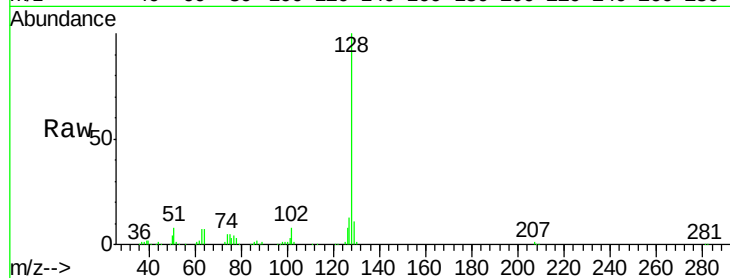
#95
Naphthalene
Concen: 19.478 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	285898		
127	12.4	10.0	15.0	
129	10.9	8.8	13.2	

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#96
1,2,3-Trichlorobenzene
Concen: 19.326 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055534.D
Acq: 10 May 2019 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111233		
182	94.6	47.1	141.3	
145	31.8	15.8	47.4	

