

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101219\
 Data File : VN058690.D
 Acq On : 11 Oct 2019 10:03
 Operator : JC/SP
 Sample : VN1012WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 4:59:25 PM

Quant Time: Oct 11 17:41:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	82260	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	449849	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	412781	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	213127	30.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.77%
60) 4-Bromofluorobenzene	12.40	95	214804	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	10.09	98	592300	30.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	95608	21.451	ug/l 99
3) Chloromethane	2.04	50	123440	20.734	ug/l 99
4) Vinyl Chloride	2.17	62	122867	19.968	ug/l 99
5) Bromomethane	2.55	94	77664	20.443	ug/l 97
6) Chloroethane	2.68	64	80870	20.909	ug/l 96
7) Trichlorofluoromethane	3.00	101	163909	21.642	ug/l 99
8) Diethyl Ether	3.39	74	59434	20.576	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	93844	21.415	ug/l 99
10) 1,1-Dichloroethene	3.72	96	87797	20.399	ug/l 99
11) Methyl Iodide	3.93	142	122220	20.390	ug/l 97
12) Methyl Acetate	4.30	43	139552	20.266	ug/l 98
13) Acrolein	3.59	56	71129	93.485	ug/l 96
14) Acrylonitrile	4.96	53	278157	102.516	ug/l 100
15) Acetone	3.79	58	88503	109.886	ug/l 98
16) Carbon Disulfide	4.03	76	251726	20.052	ug/l 99
17) Allyl chloride	4.30	41	174389	20.357	ug/l 99
18) Methylene Chloride	4.53	84	105731	20.287	ug/l 97
19) trans-1,2-Dichloroethene	5.02	96	99354	21.204	ug/l 88
20) Diisopropyl ether	5.93	45	362460	20.767	ug/l 97
21) 1,1-Dichloroethane	5.82	63	205191	21.230	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	117422	21.019	ug/l 100
23) tert-Butyl Alcohol	4.76	59	111123	100.128	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	335412	20.889	ug/l 100
25) Chloroform	7.36	83	200892	20.841	ug/l 98
26) Cyclohexane	7.64	56	171815	20.254	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	149804	21.155	ug/l 100
30) 2-Butanone	6.81	43	423007	105.709	ug/l 99
31) 2,2-Dichloropropane	6.81	77	182001	21.806	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	176832	21.591	ug/l 99
33) Carbon Tetrachloride	7.75	117	151884	21.425	ug/l 97
34) Benzene	8.02	78	440925	21.150	ug/l 98
35) Methacrylonitrile	7.16	41	77861m	22.026	ug/l
36) 1,2-Dichloroethane	8.11	62	173550	21.773	ug/l 98
37) Trichloroethene	8.82	130	109998	21.477	ug/l 99
38) Methylcyclohexane	9.07	83	167799	20.438	ug/l 99
39) 1,2-Dichloropropane	9.11	63	121903	21.397	ug/l 99
40) Dibromomethane	9.20	93	77065	21.427	ug/l 99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 VN1012WBS01

Manual Integrations
 APPROVED

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Quant Time: Oct 11 17:41:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	158060	21.512	ug/l	99
42) Vinyl Acetate	5.87	43	1538993	109.814	ug/l	99
43) Ethyl Acetate	6.91	43	163320	20.794	ug/l	98
44) Isopropyl Acetate	8.15	43	268088	21.072	ug/l #	88
45) 1,4-Dioxane	9.19	88	39802	407.429	ug/l	98
46) Methyl methacrylate	9.19	41	120843	20.690	ug/l	96
47) n-amyl Acetate	12.07	43	227839	20.202	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	179738	21.093	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	188421	21.057	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	110474	21.517	ug/l	98
51) Ethyl methacrylate	10.43	69	167682	20.424	ug/l	99
52) 1,3-Dichloropropane	10.71	76	192506	21.053	ug/l	99
53) Dibromochloromethane	10.90	129	116017	21.055	ug/l	99
54) 1,2-Dibromoethane	11.00	107	111825	21.013	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	443227	108.532	ug/l	100
56) Bromoform	12.13	173	79196	20.632	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	836255	111.053	ug/l	100
59) 2-Hexanone	10.75	43	641832	108.721	ug/l	100
61) Tetrachloroethene	10.63	164	93589	20.981	ug/l	98
62) Toluene	10.15	91	476187	21.446	ug/l	99
64) Chlorobenzene	11.43	112	287057	21.146	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	108353	21.287	ug/l	97
66) Ethyl Benzene	11.51	91	520670	21.177	ug/l	100
67) m/p-Xylenes	11.62	106	383262	41.725	ug/l	97
68) o-Xylene	11.95	106	186571	20.952	ug/l	100
69) Styrene	11.97	104	302835	20.586	ug/l	99
70) Isopropylbenzene	12.25	105	504800	20.997	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.51	83	169670	20.964	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	152435m	20.785	ug/l	
73) Bromobenzene	12.53	156	120874	20.699	ug/l	99
74) n-propylbenzene	12.59	91	599397	21.300	ug/l	100
75) 2-Chlorotoluene	12.68	91	353873	20.901	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	434347	21.094	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	56813	20.335	ug/l	95
78) 4-Chlorotoluene	12.78	91	363858	20.851	ug/l	97
79) tert-butylbenzene	13.00	119	366200	20.816	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	436539	21.335	ug/l	99
81) sec-Butylbenzene	13.18	105	491944	20.779	ug/l	100
82) p-Isopropyltoluene	13.29	119	444000	20.884	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	217898	20.621	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	212954	20.177	ug/l	99
85) n-Butylbenzene	13.62	91	396331	20.362	ug/l	100
86) Hexachloroethane	13.88	117	78827	20.374	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	218411	20.938	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	37482	20.807	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	129193	19.614	ug/l	99
90) Hexachlorobutadiene	15.02	225	69800	20.522	ug/l	99
91) Naphthalene	15.13	128	380322	19.556	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	123360	19.239	ug/l	99

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Manual Integrations
APPROVED

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

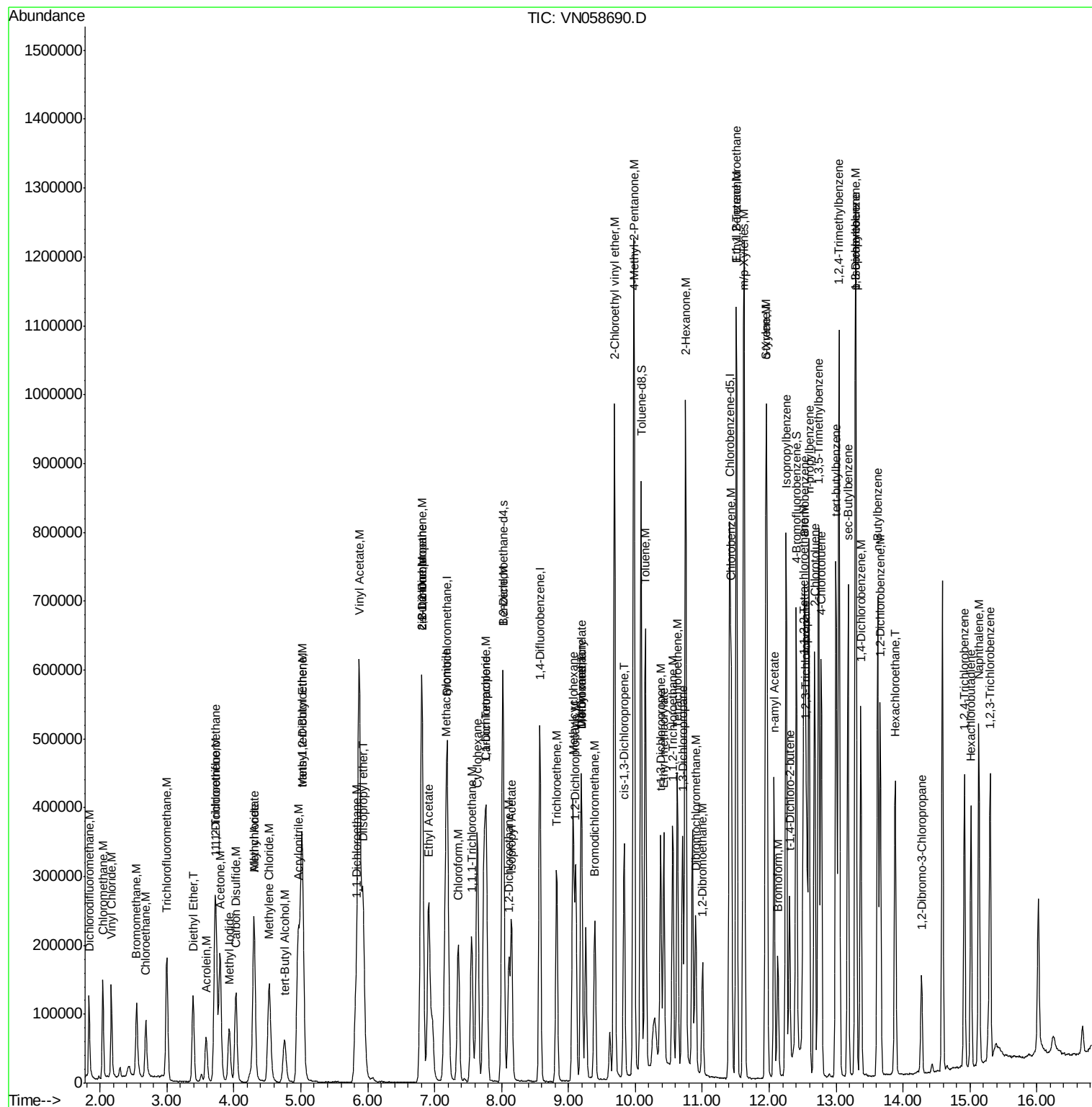
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Data File : VN058690.D
Acq On : 11 Oct 2019 10:03
Operator : JC/SP
Sample : VN1012WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

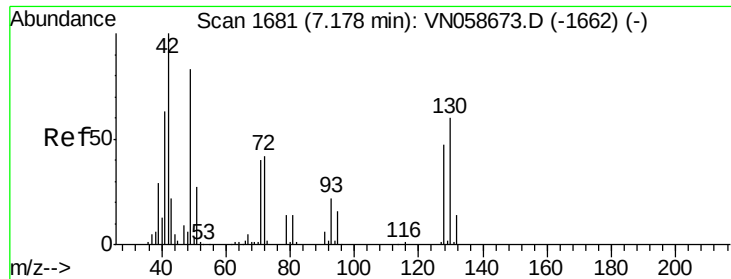
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

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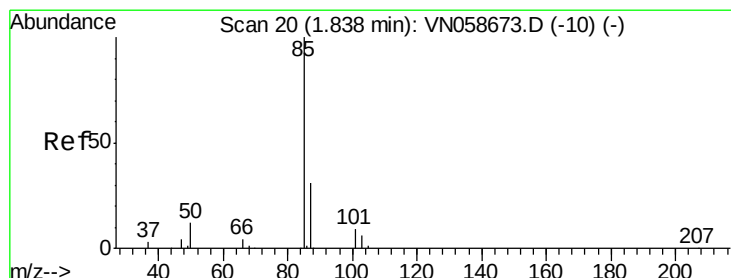
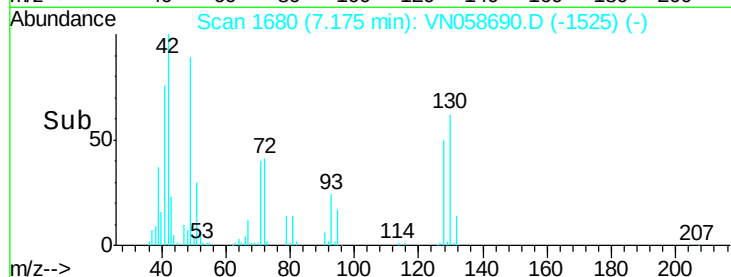
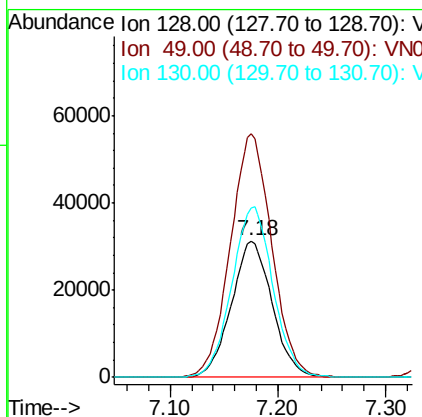
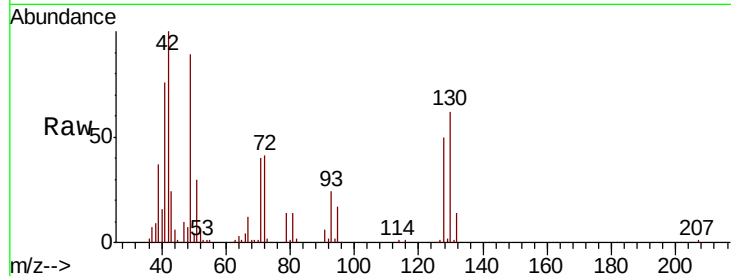
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	181.5	0.0	453.5
130	126.3	0.0	314.2

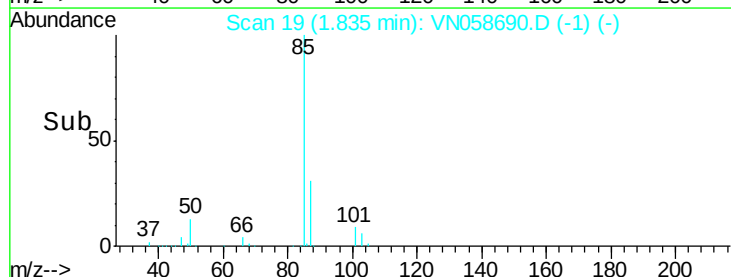
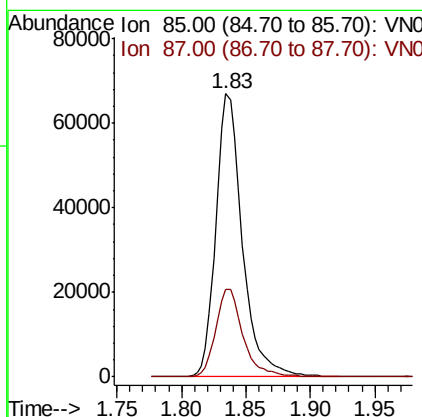
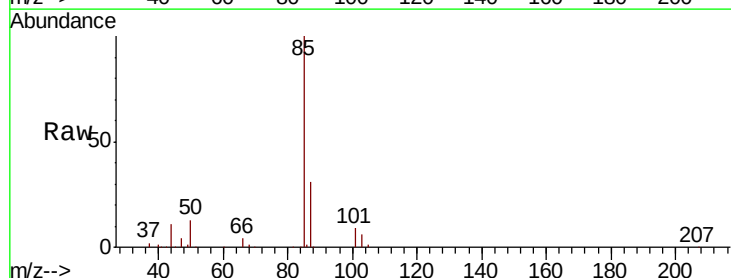
Manual Integrations
APPROVED

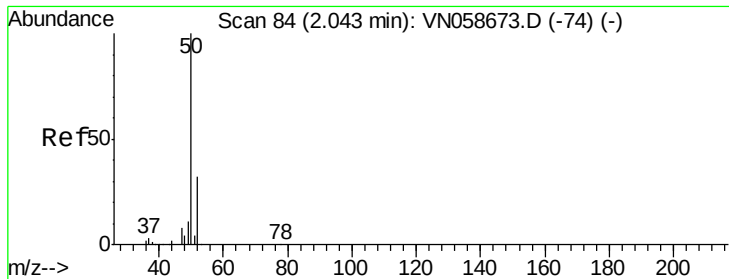
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#2
Dichlorodifluoromethane
Concen: 21.451 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.0	15.7	47.0





#3

Chloromethane

Concen: 20.734 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tot Ion: 50 Resp: 123440

Ion Ratio Lower Upper

50 100

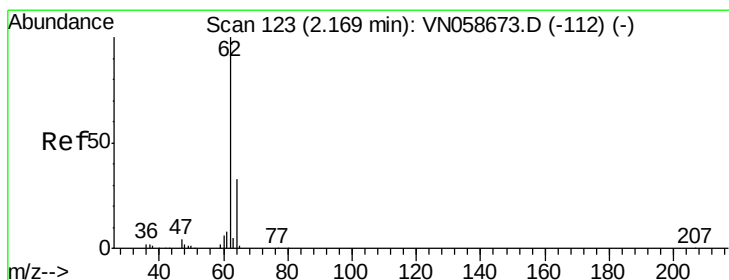
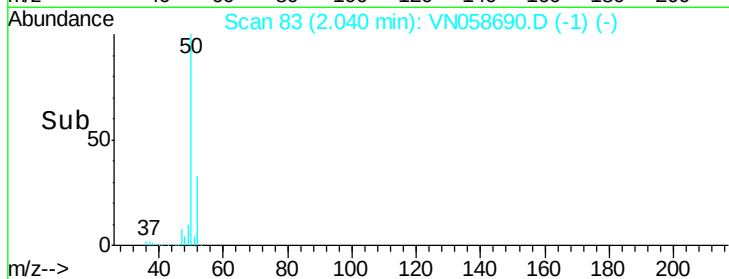
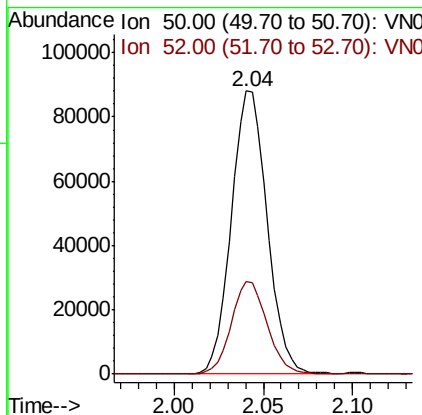
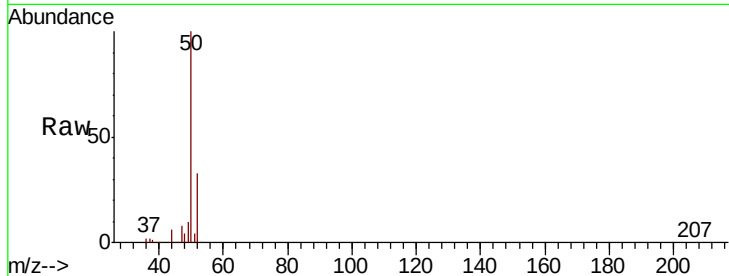
52 32.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.968 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058690.D

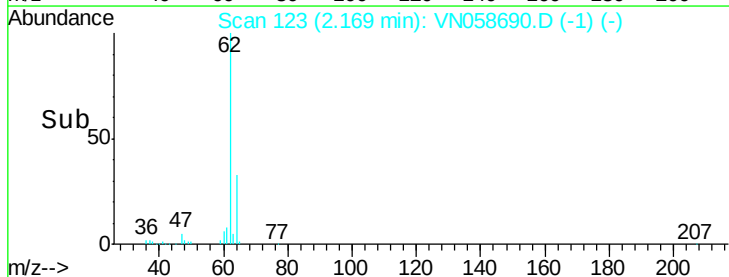
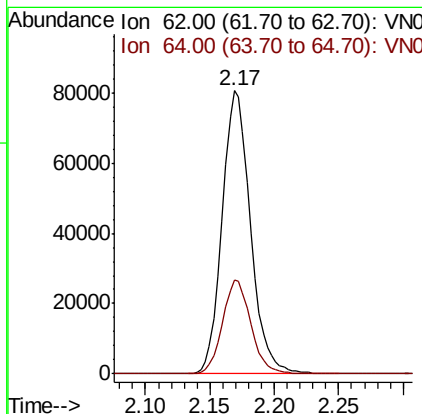
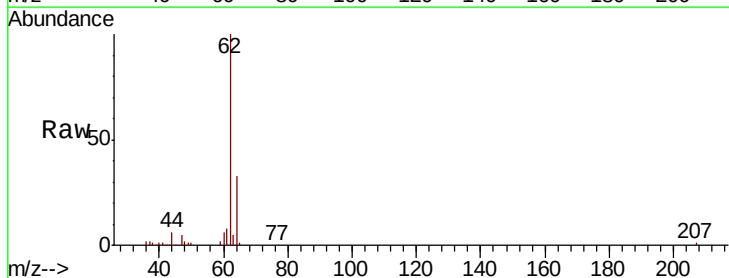
Acq: 11 Oct 2019 10:03

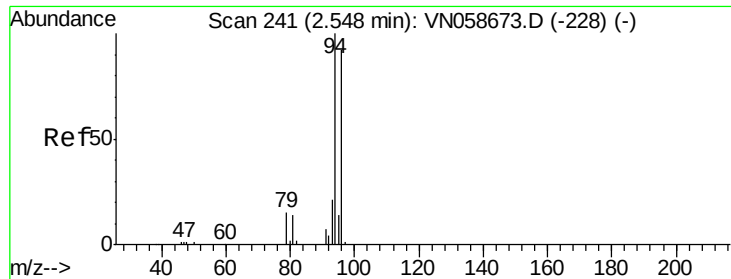
Tgt Ion: 62 Resp: 122867

Ion Ratio Lower Upper

62 100

64 33.0 26.1 39.1





#5

Bromomethane

Concen: 20.443 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tot Ion: 94 Resp: 77664

Ion Ratio Lower Upper

94 100

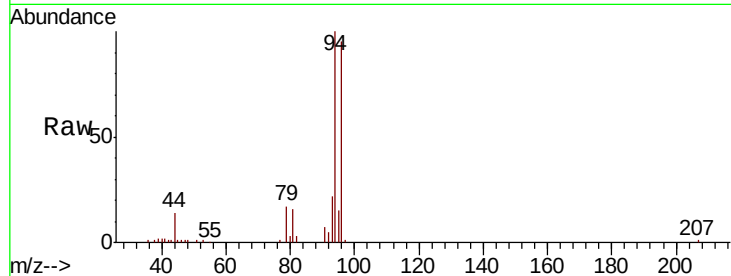
96 95.0 73.7 110.5

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN058690.D (-85) (-)

Ion 96.00 (95.70 to 96.70): VN058690.D (-85) (-)

2.55

40000

30000

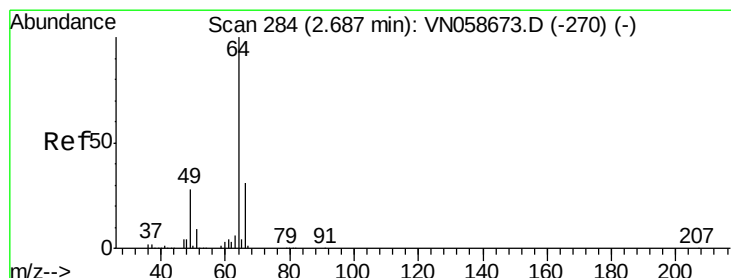
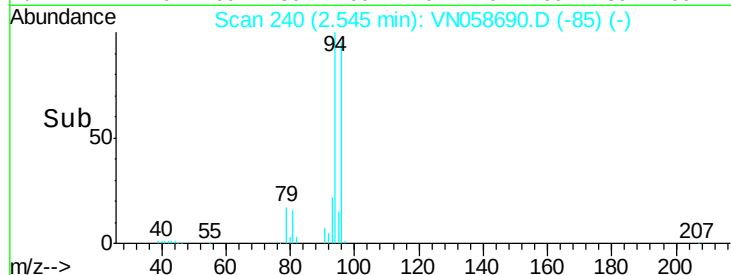
20000

10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.909 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058690.D

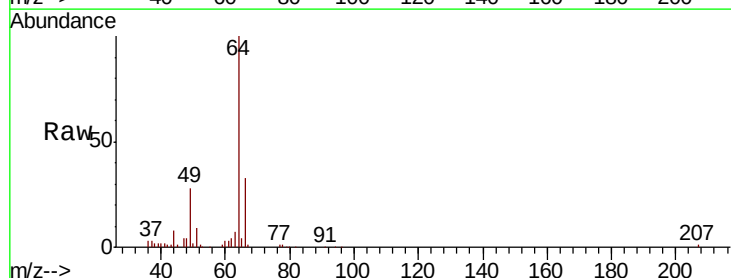
Acq: 11 Oct 2019 10:03

Tgt Ion: 64 Resp: 80870

Ion Ratio Lower Upper

64 100

66 32.7 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN058690.D (-128) (-)

Ion 66.00 (65.70 to 66.70): VN058690.D (-128) (-)

2.68

40000

30000

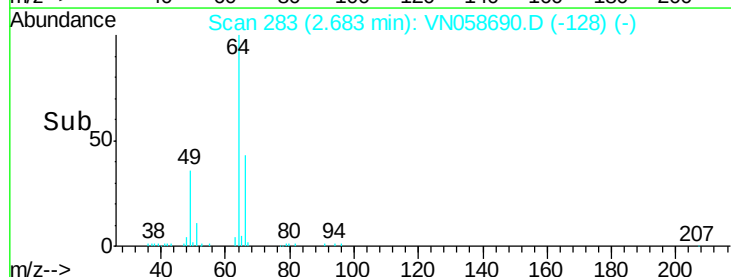
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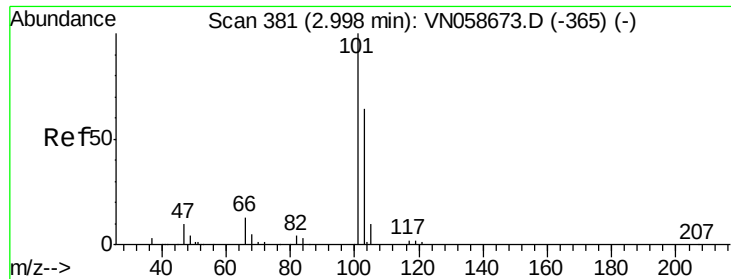
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Time-->

2.60 2.65 2.70 2.75 2.80





#7

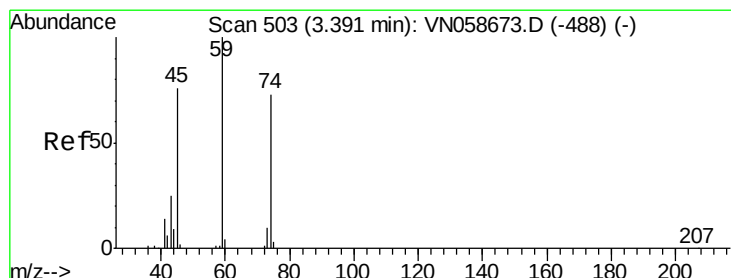
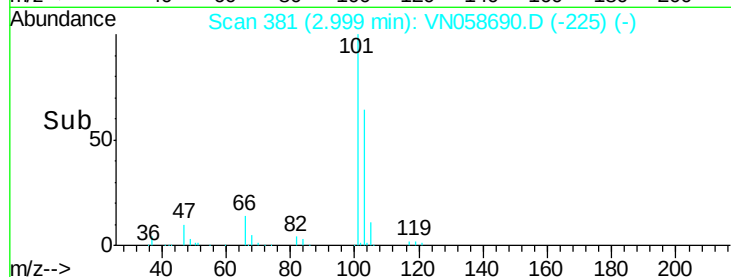
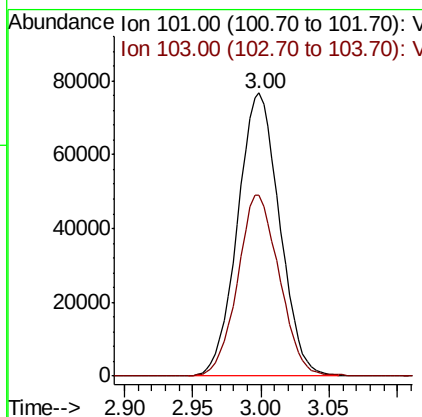
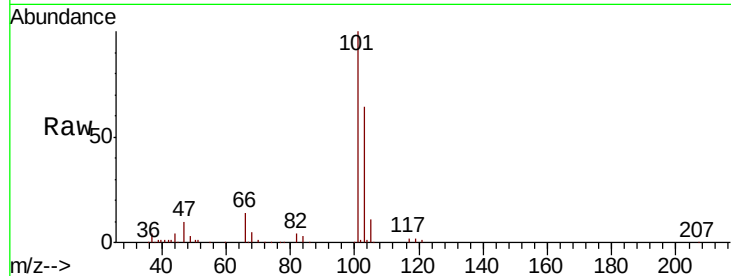
Trichlorofluoromethane
Concen: 21.642 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.5	77.3

Manual Integrations
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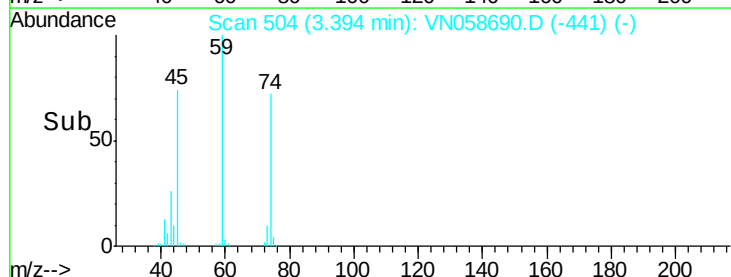
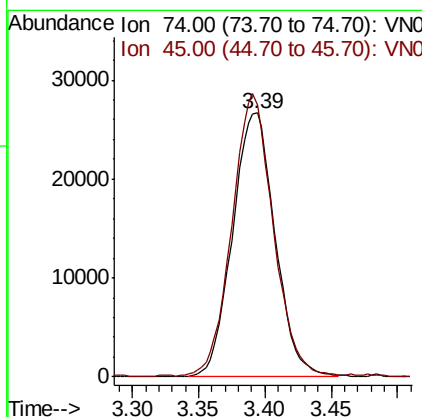
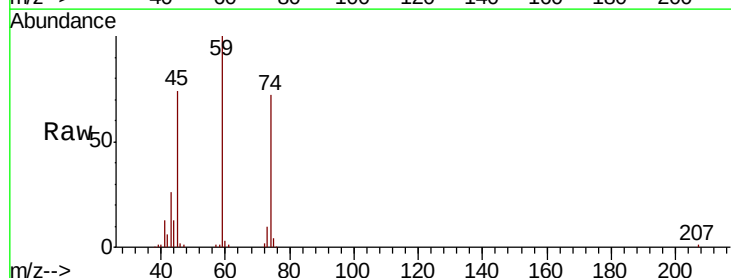
MMDadoda
10/14/2019 4:59:25 PM

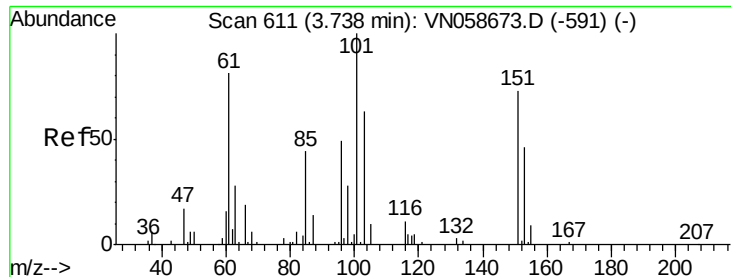


#8

Diethyl Ether
Concen: 20.576 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.8	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.415 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

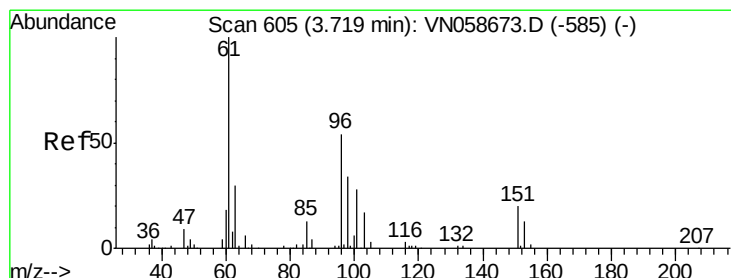
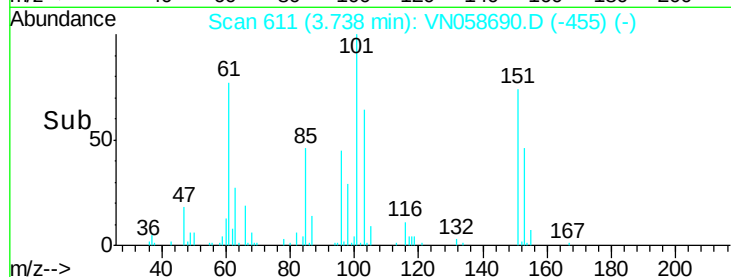
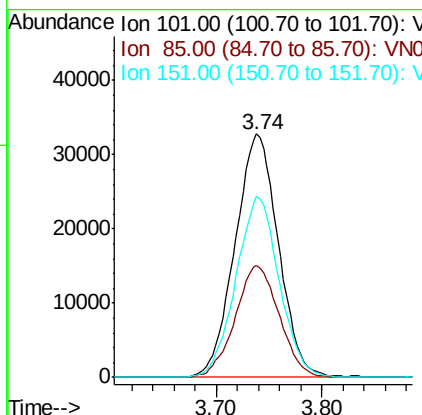
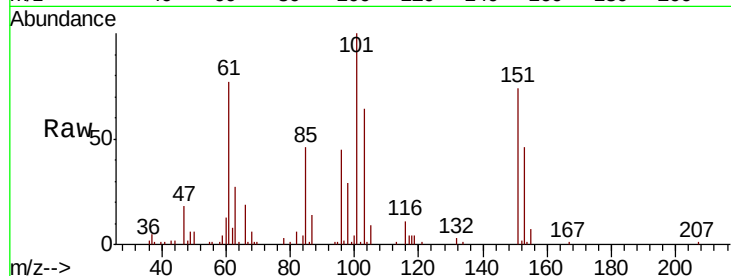
ClientSampleId :

VN1012WBS01

Tot Ion:	101	Resp:	93844
Ion Ratio	Lower	Upper	
101	100		
85	46.4	0.0	93.8
151	74.1	0.0	149.6

Manual Integrations
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MMDadoda
10/14/2019 4:59:25 PM



#10

1,1-Dichloroethene

Concen: 20.399 ug/l

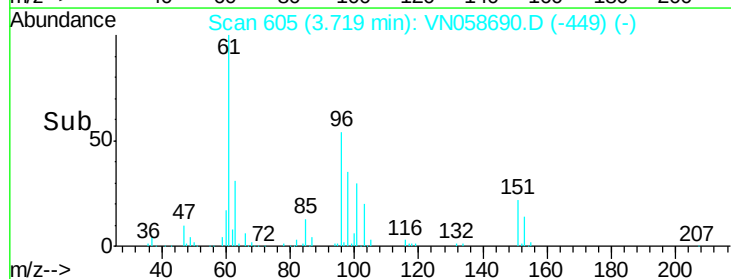
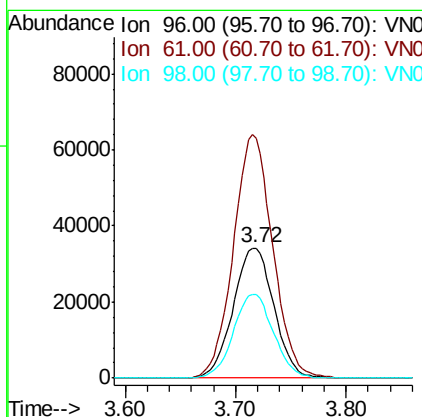
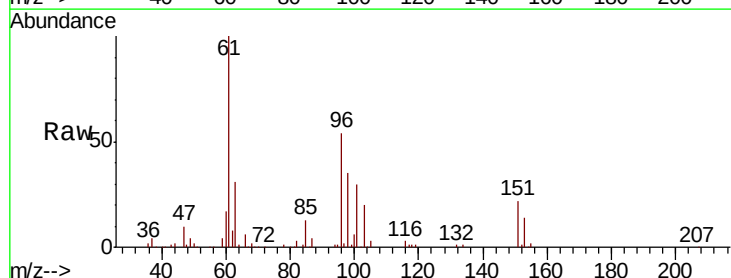
RT: 3.72 min Scan# 605

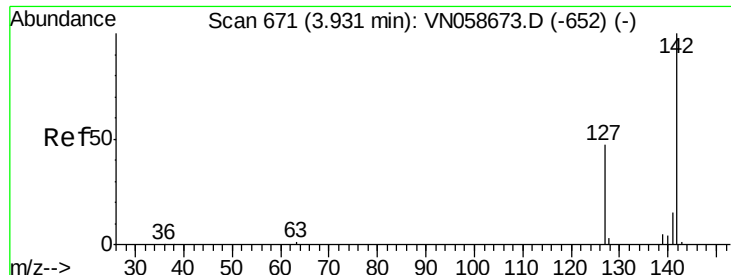
Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Tgt Ion:	96	Resp:	87797
Ion Ratio	Lower	Upper	
96	100		
61	183.8	148.5	222.7
98	64.3	51.0	76.6





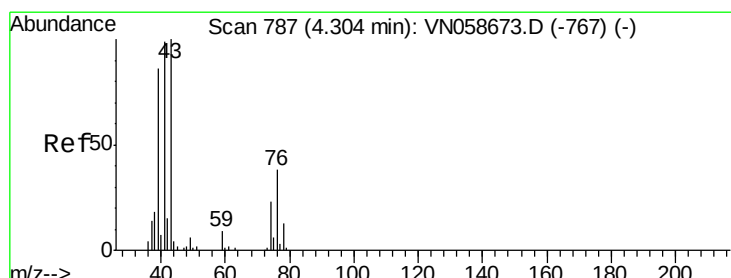
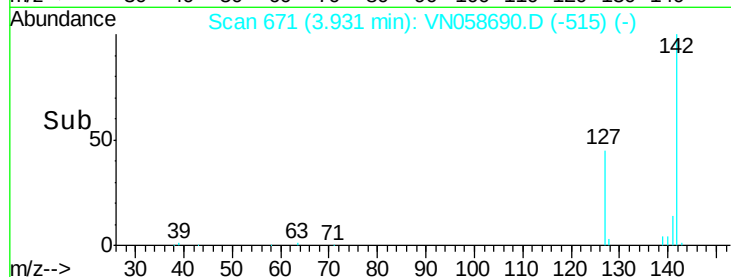
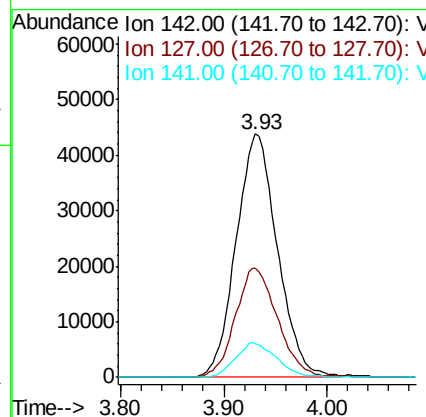
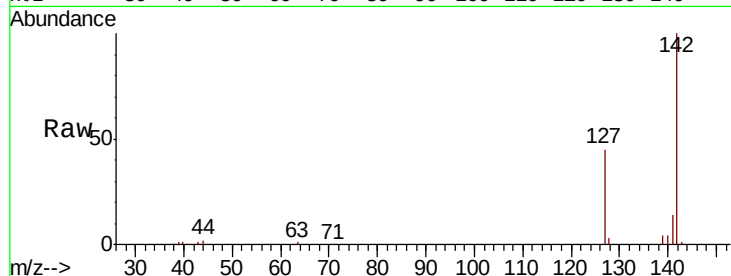
#11
Methvl Iodide
Concen: 20.390 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.9	23.5	70.6
141	13.9	7.4	22.2

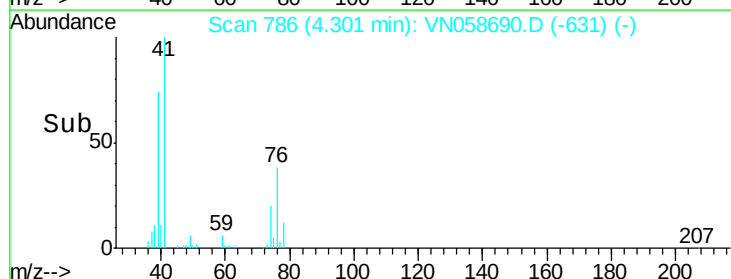
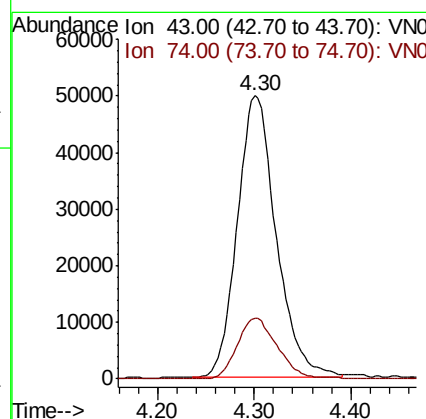
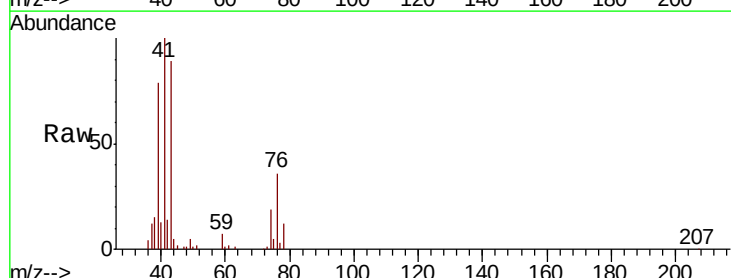
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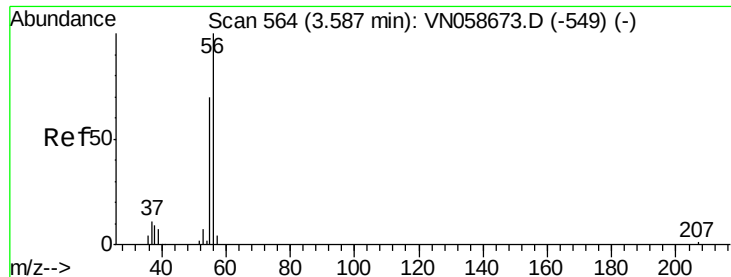
MMDadoda
10/14/2019 4:59:25 PM



#12
Methyl Acetate
Concen: 20.266 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	18.1	27.1





#13

Acrolein

Concen: 93.485 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tot Ion: 56 Resp: 71129

Ion Ratio Lower Upper

56 100

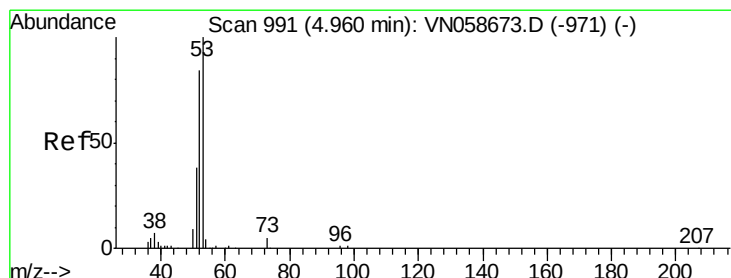
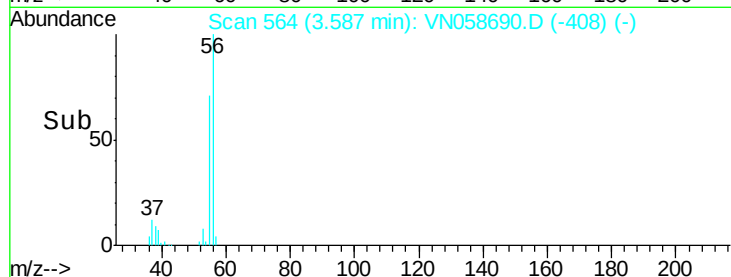
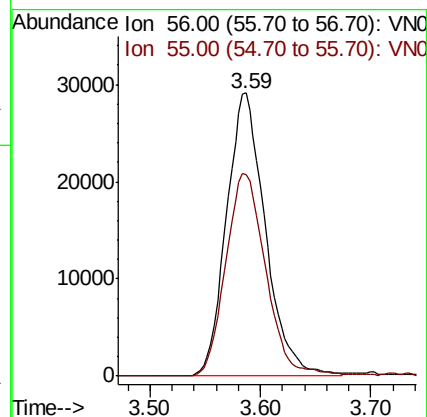
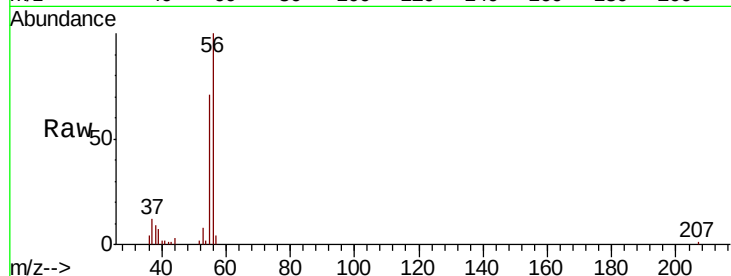
55 73.1 55.9 83.9

Manual Integrations

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MMDadoda

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#14

Acrylonitrile

Concen: 102.516 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

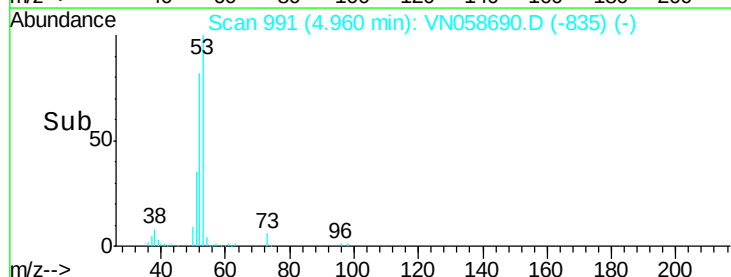
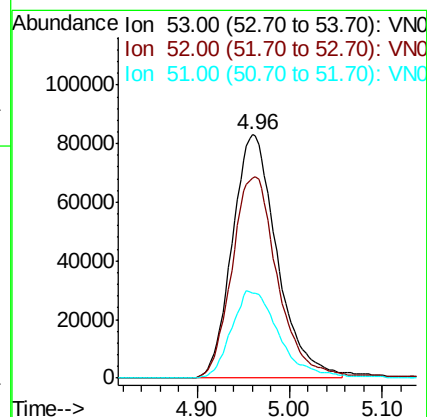
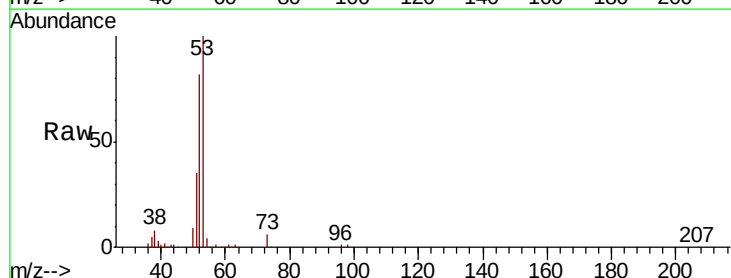
Tgt Ion: 53 Resp: 278157

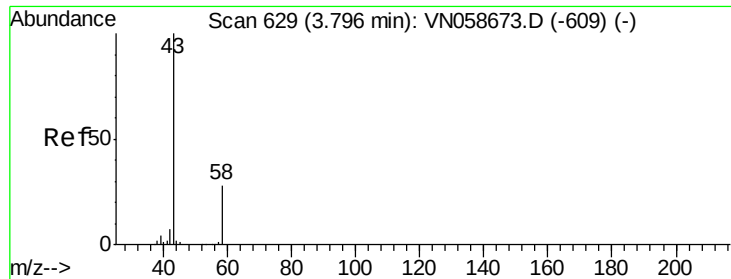
Ion Ratio Lower Upper

53 100

52 84.6 42.2 126.6

51 38.1 18.8 56.4





#15

Acetone

Concen: 109.886 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tot Ion: 58 Resp: 88503

Ion Ratio Lower Upper

58 100

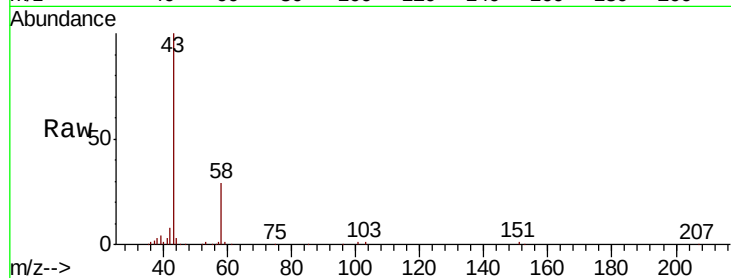
43 348.6 281.7 422.5

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN058673.D (-609) (-)

Ion 43.00 (42.70 to 43.70): VN058673.D (-609) (-)

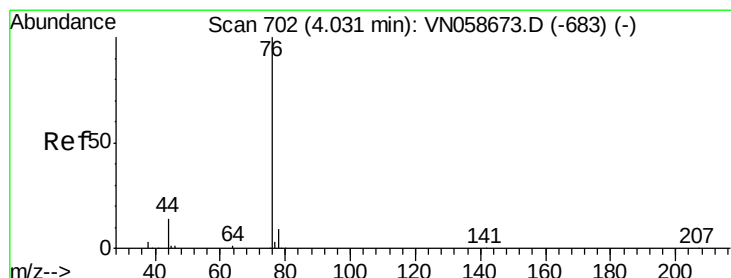
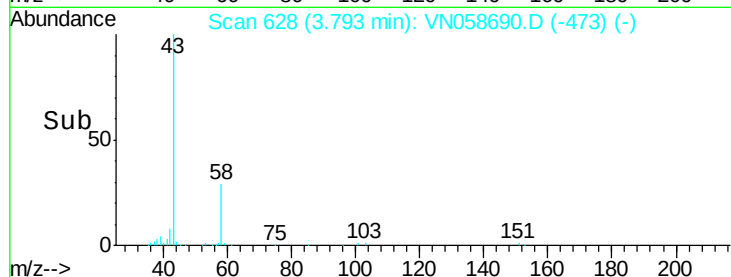
100000

50000

3.79

0

Time-->



#16

Carbon Disulfide

Concen: 20.052 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058690.D

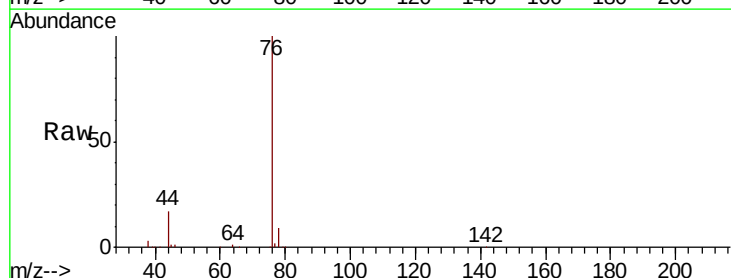
Acq: 11 Oct 2019 10:03

Tgt Ion: 76 Resp: 251726

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN058673.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN058673.D (-683) (-)

100000

80000

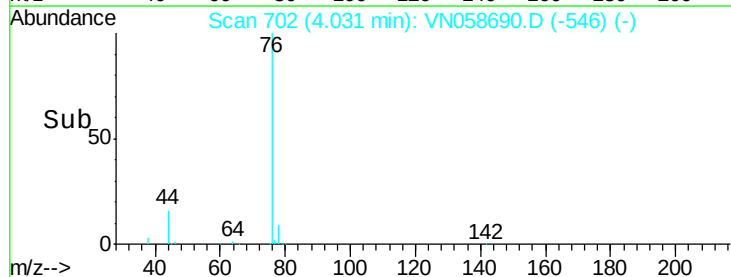
60000

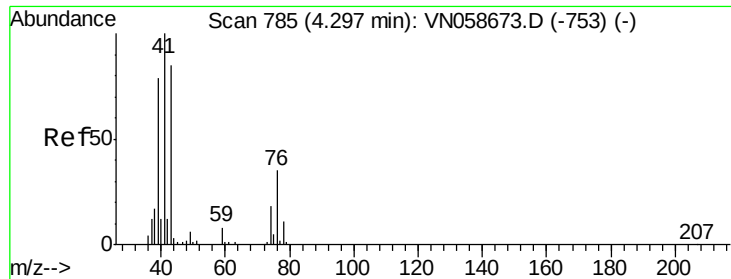
40000

20000

0

Time-->





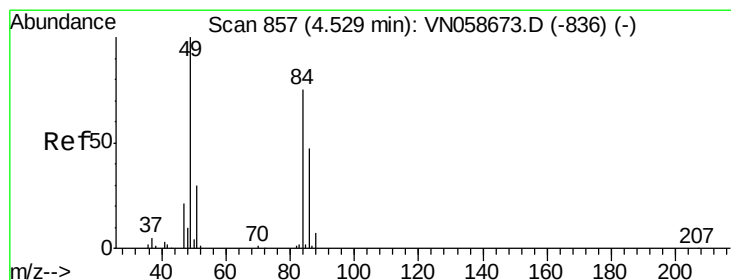
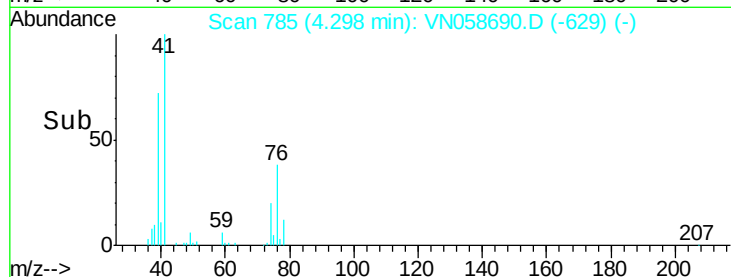
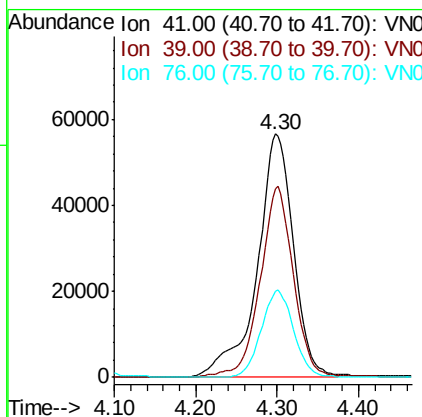
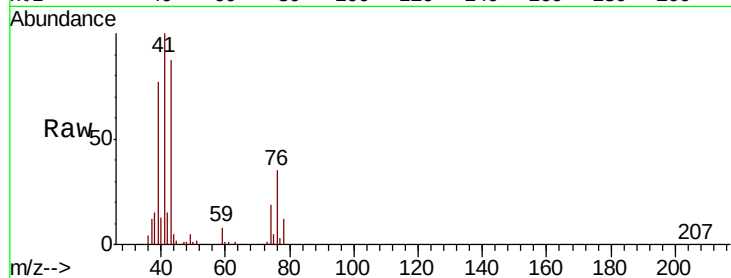
#17
Allvl chloride
Concen: 20.357 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.7	39.6	118.8
76	35.6	17.6	52.9

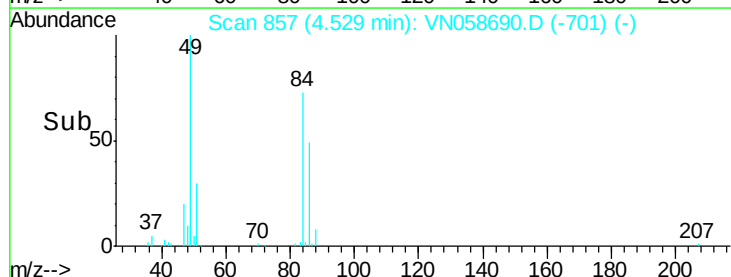
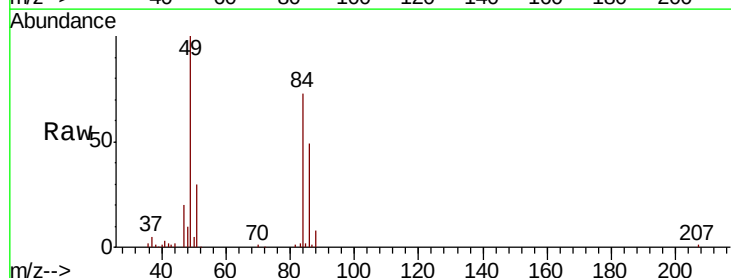
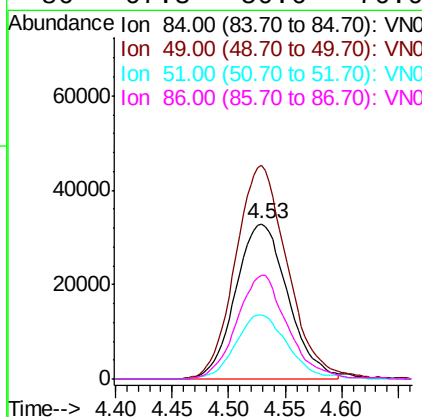
Manual Integrations
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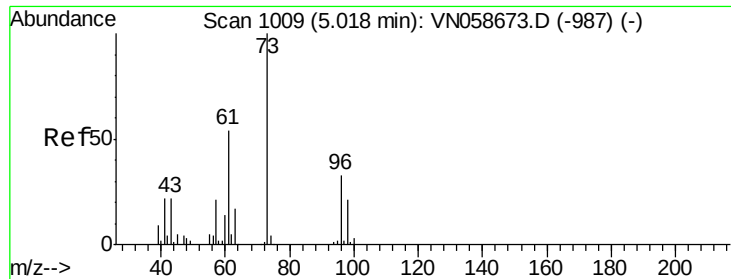
MMDadoda
10/14/2019 4:59:25 PM



#18
Methylene Chloride
Concen: 20.287 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.9	106.6	160.0
51	41.1	32.4	48.6
86	67.3	50.6	76.0





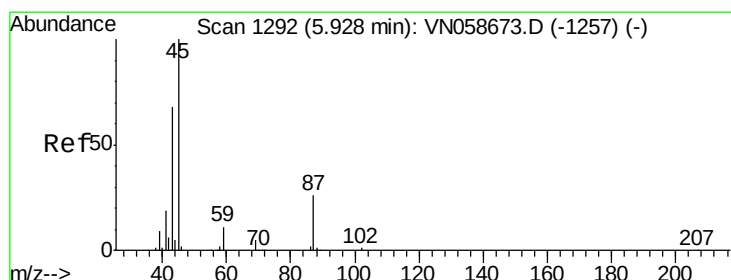
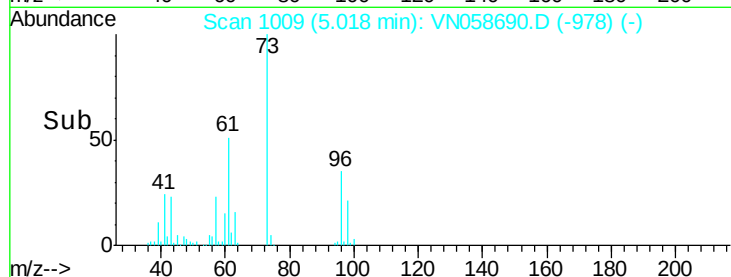
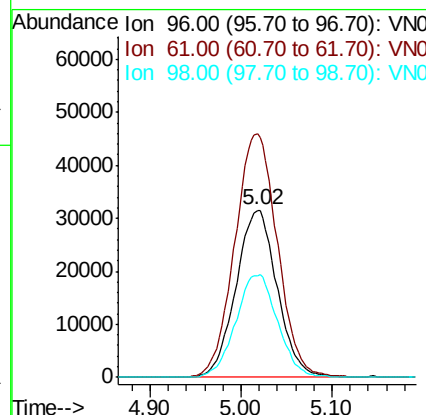
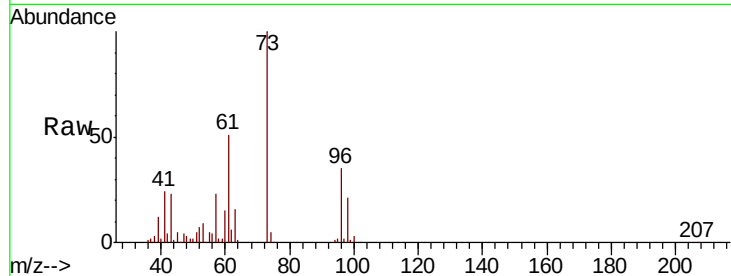
#19
trans-1,2-Dichloroethene
Concen: 21.204 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.8	131.8	197.6
98	60.9	52.6	79.0

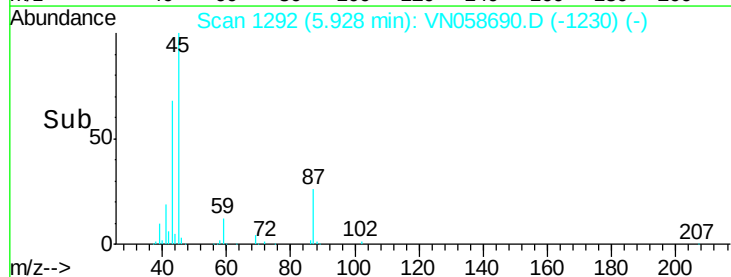
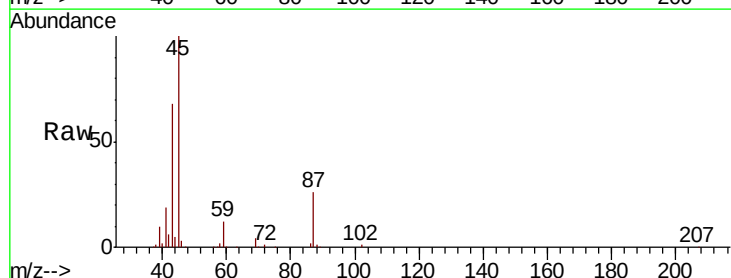
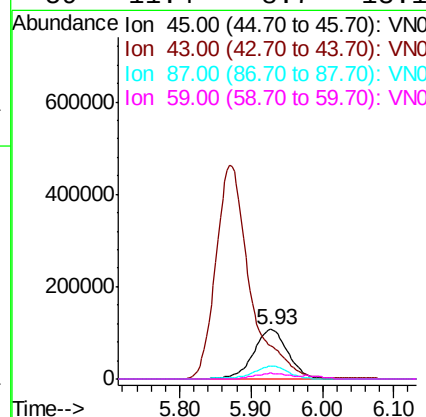
Manual Integrations
APPROVED

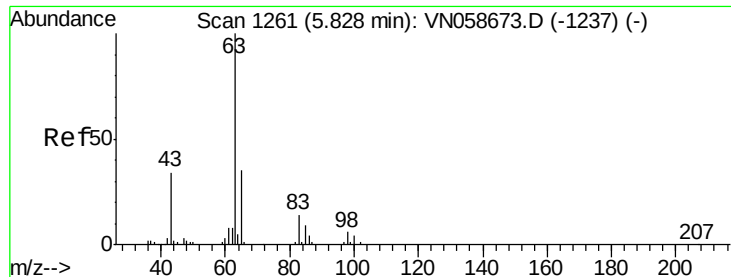
MMDadoda
10/14/2019 4:59:25 PM



#20
Diisopropyl ether
Concen: 20.767 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.7	54.7	82.1
87	25.9	21.5	32.3
59	11.4	8.7	13.1





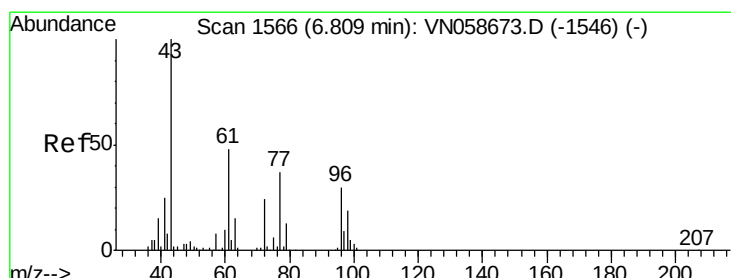
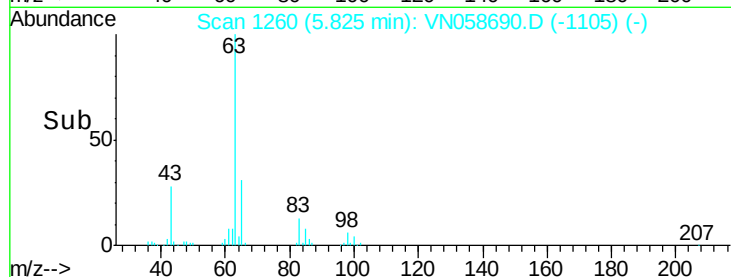
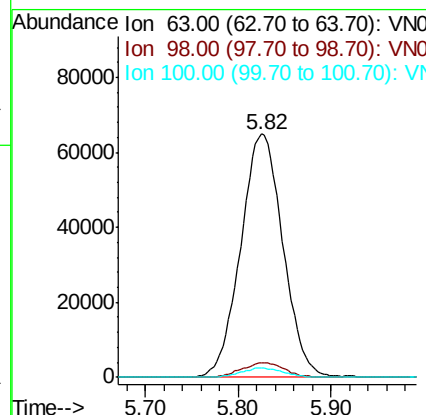
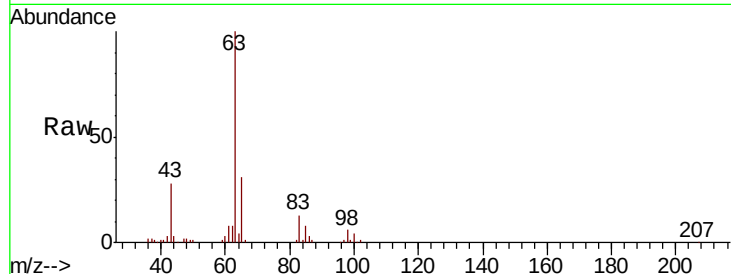
#21
 1,1-Dichloroethane
 Concen: 21.230 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.0	2.9	8.6
100	3.8	1.8	5.5

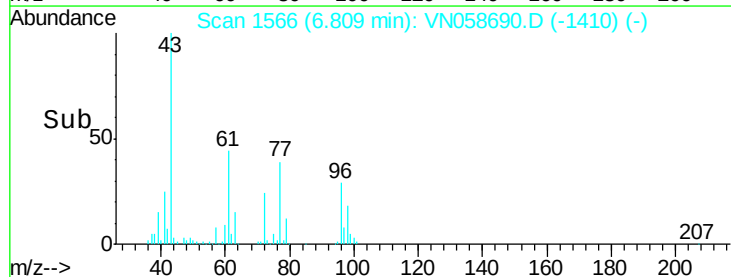
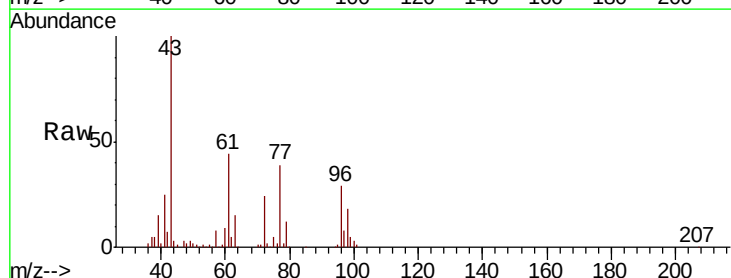
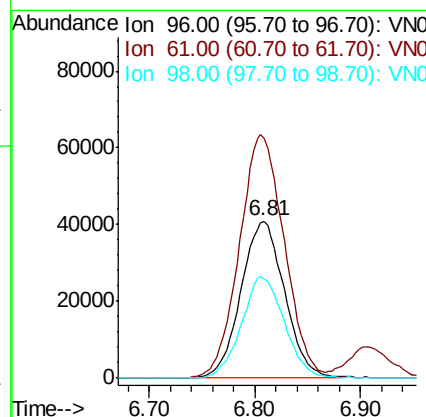
Manual Integrations
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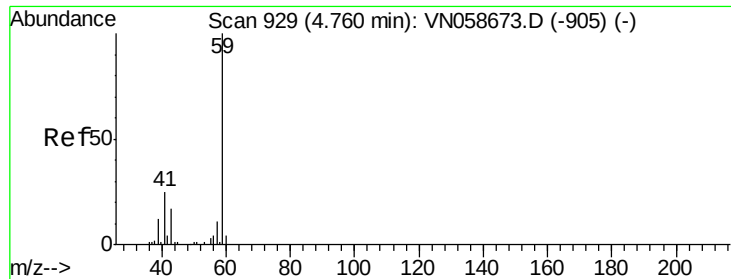
MMDadoda
 10/14/2019 4:59:25 PM



#22
 cis-1,2-Dichloroethene
 Concen: 21.019 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	159.3	127.2	190.8
98	63.4	50.5	75.7





#23

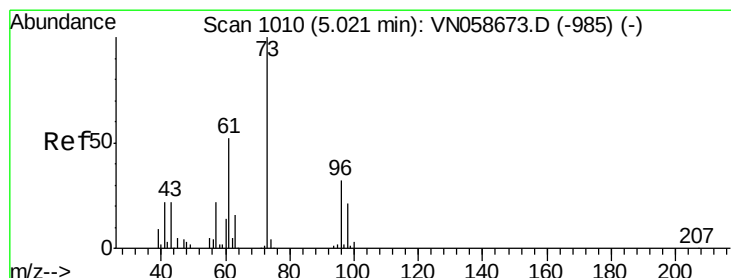
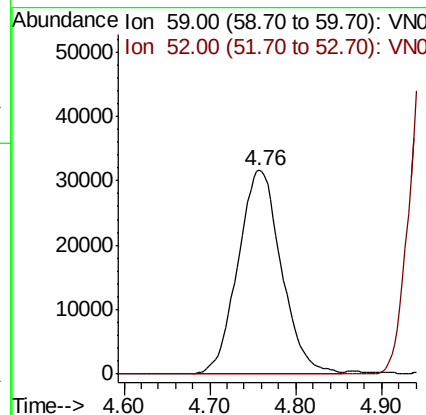
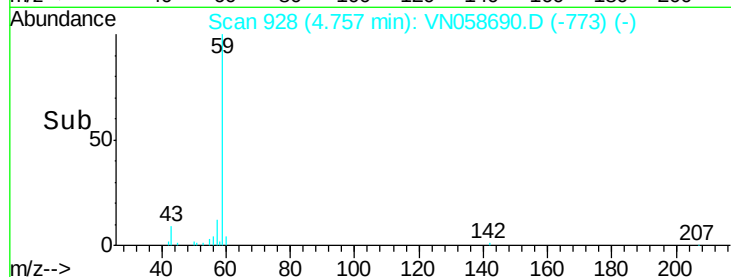
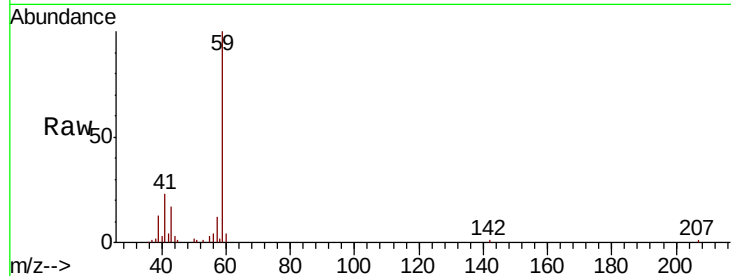
tert-Butyl Alcohol
Concen: 100.128 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

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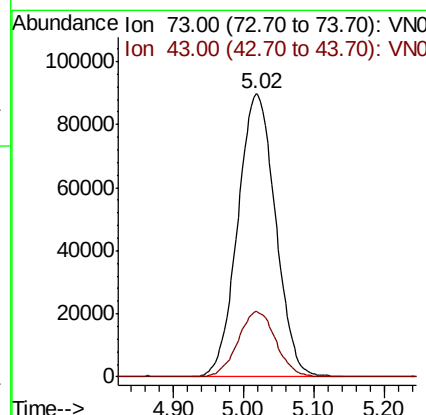
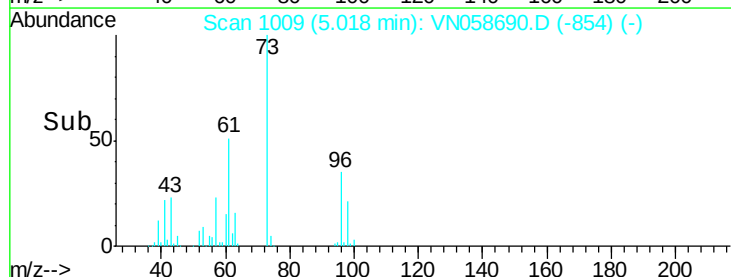
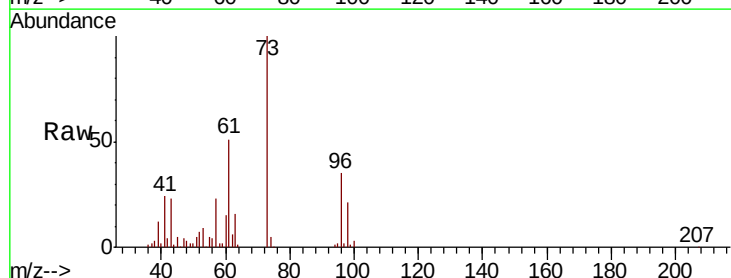
MMDadoda
10/14/2019 4:59:25 PM

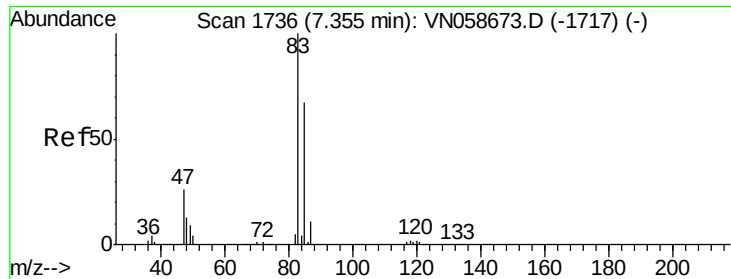


#24

Methyl tert-Butyl Ether
Concen: 20.889 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.4	17.9	26.9





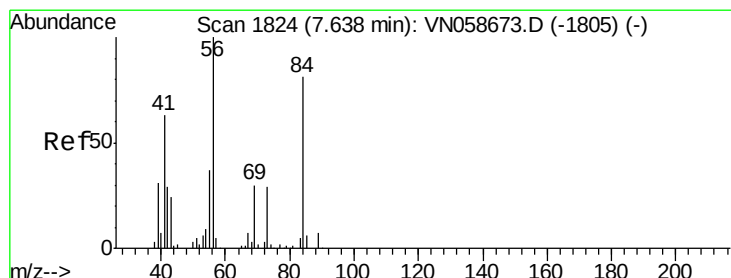
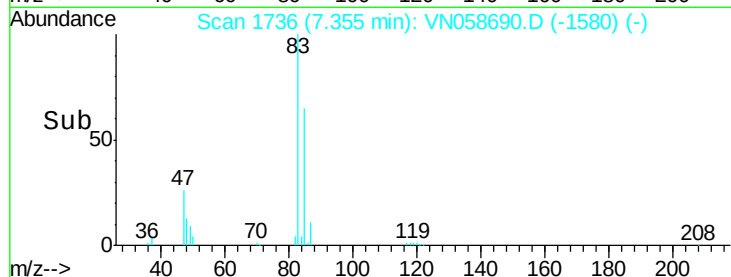
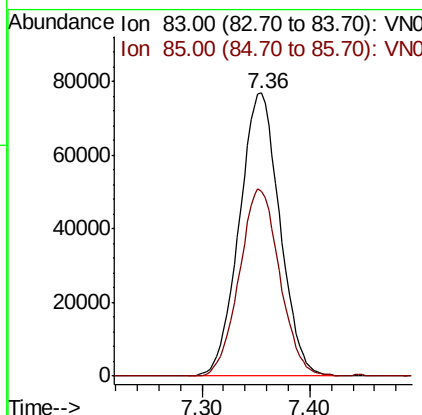
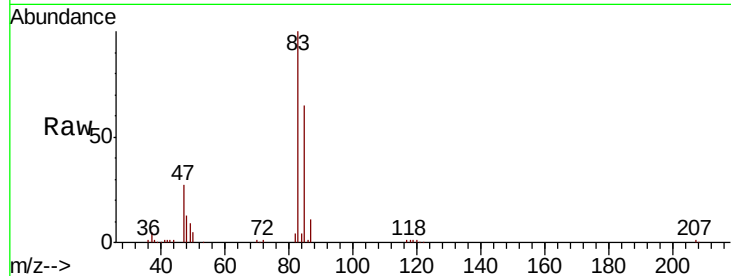
#25
Chloroform
Concen: 20.841 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	83	Resp	200892
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	53.8	80.8

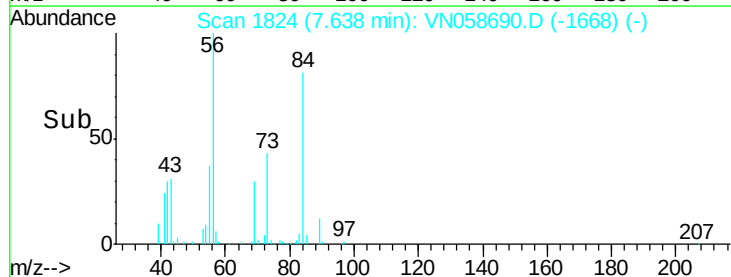
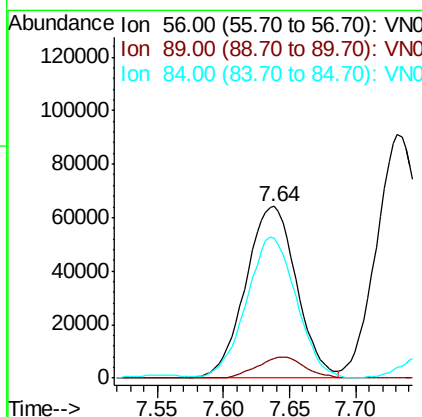
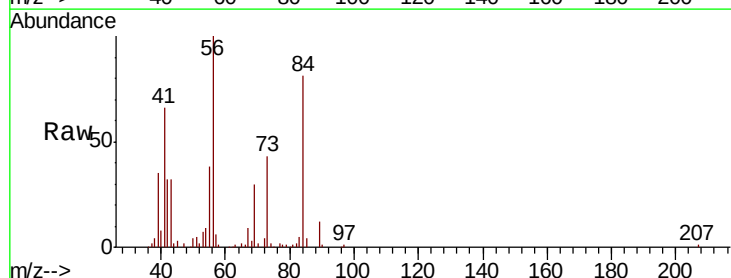
Manual Integrations
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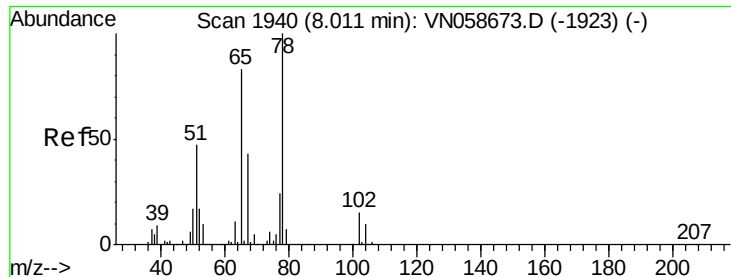
MMDadoda
10/14/2019 4:59:25 PM



#26
Cyclohexane
Concen: 20.254 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	56	Resp	171815
Ion Ratio	100	Lower	Upper
56	100		
89	11.5	6.2	9.2#
84	80.7	65.6	98.4





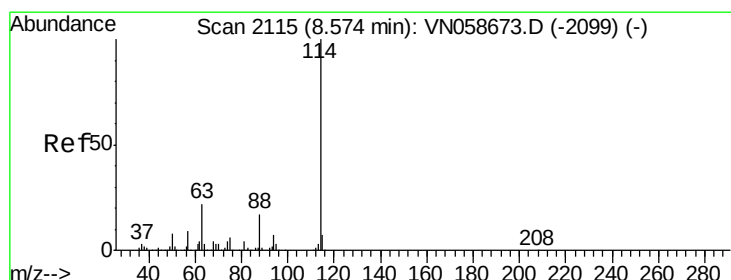
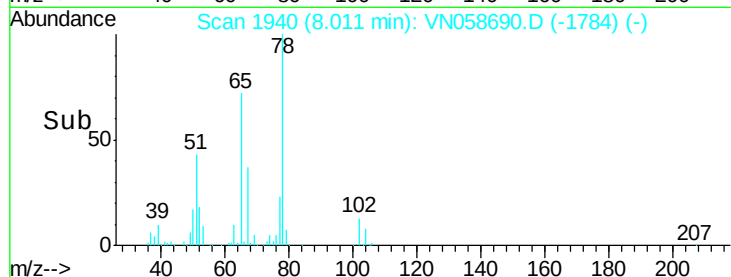
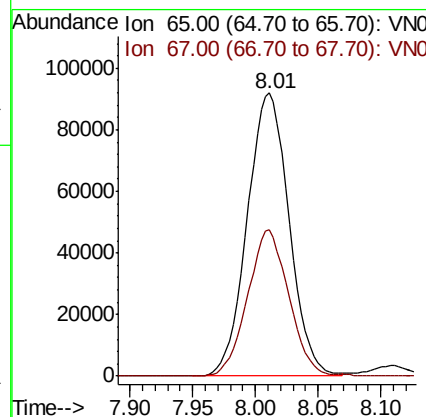
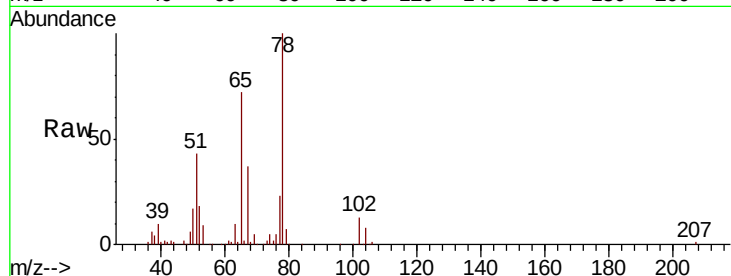
#27
 1,2-Dichloroethane-d4
 Concen: 30.526 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213127		
67	51.3	41.5	62.3	

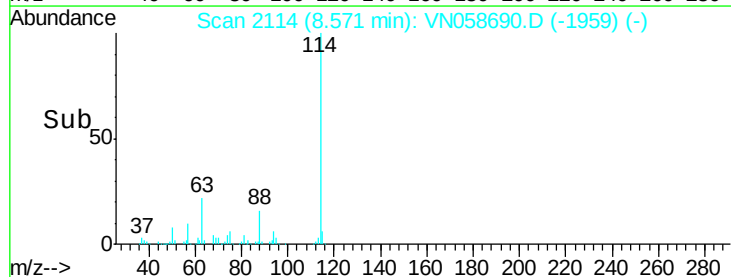
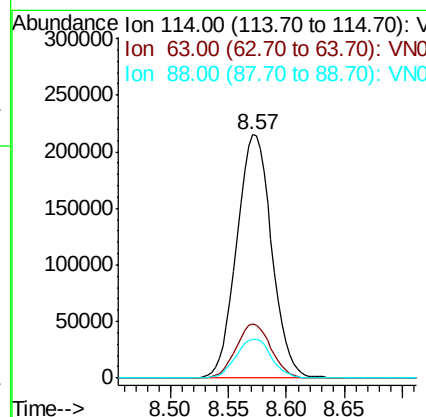
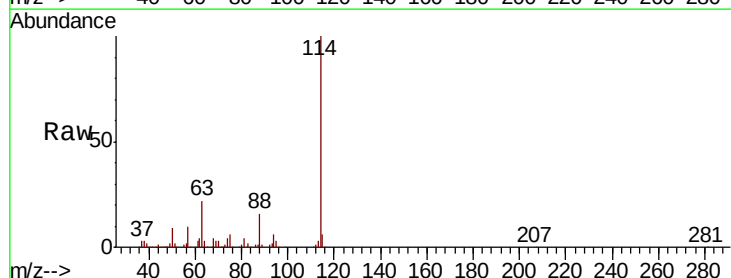
Manual Integrations
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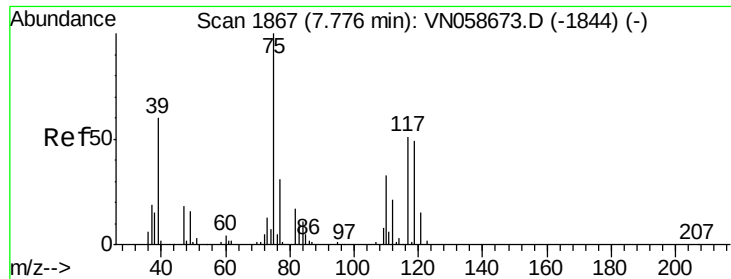
MMDadoda
 10/14/2019 4:59:25 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	449849		
63	22.2	18.1	27.1	
88	16.3	13.0	19.4	





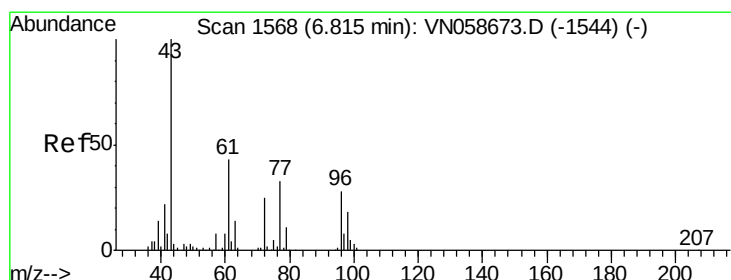
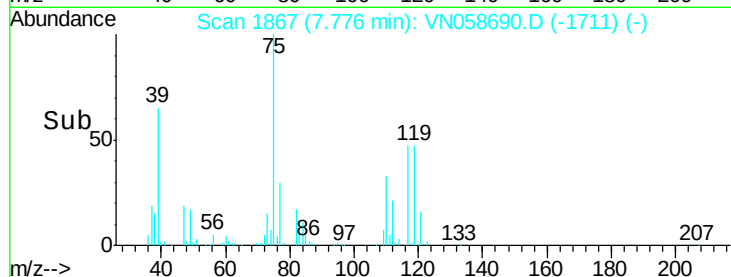
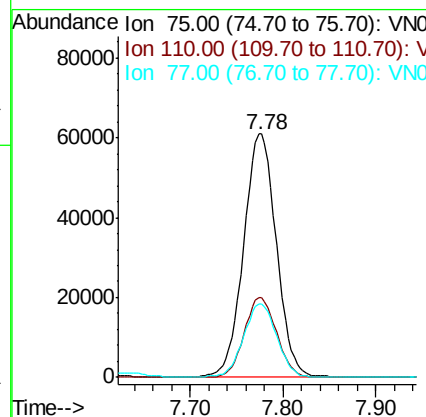
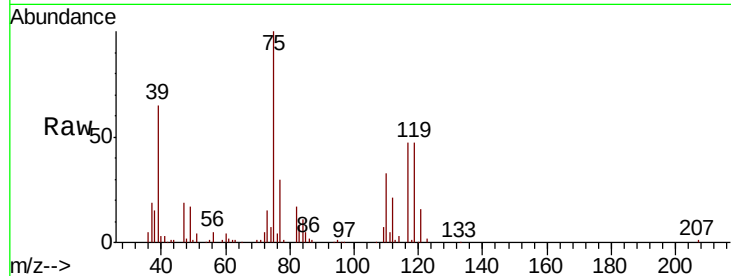
#29
 1,1-Dichloropropene
 Concen: 21.155 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.2	0.0	64.6
77	30.8	0.0	60.8

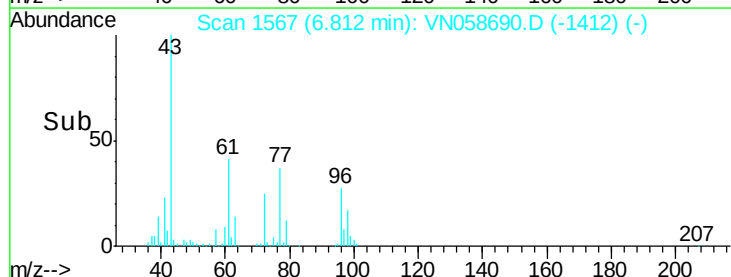
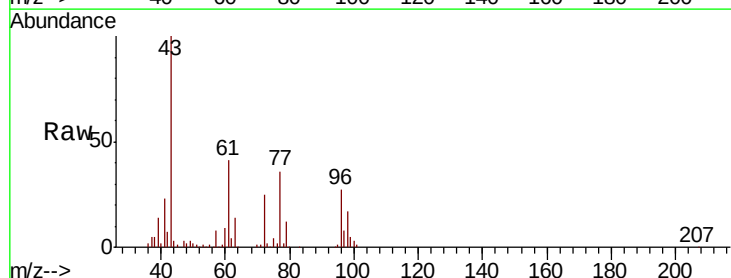
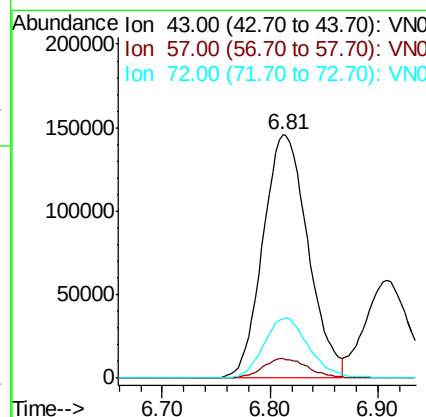
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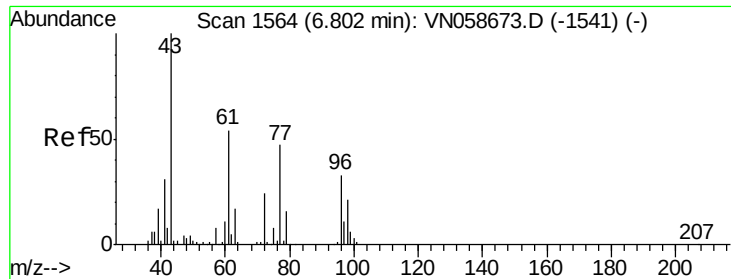
MMDadoda
 10/14/2019 4:59:25 PM



#30
 2-Butanone
 Concen: 105.709 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.5	9.7
72	24.6	20.1	30.1





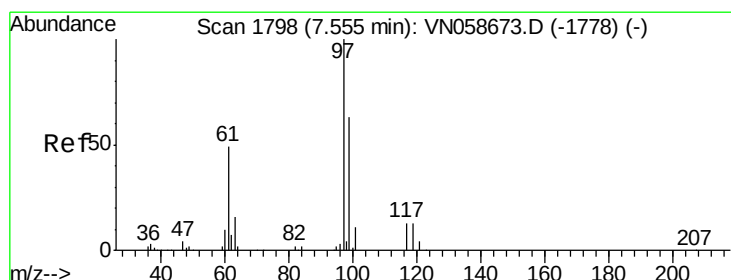
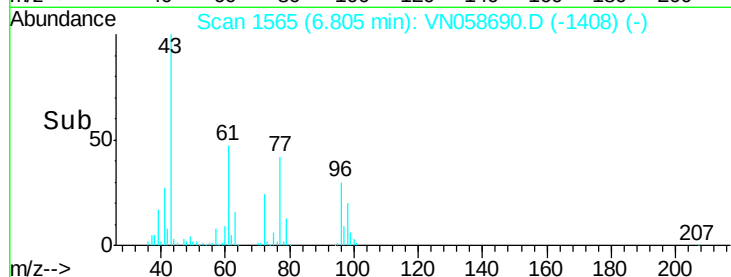
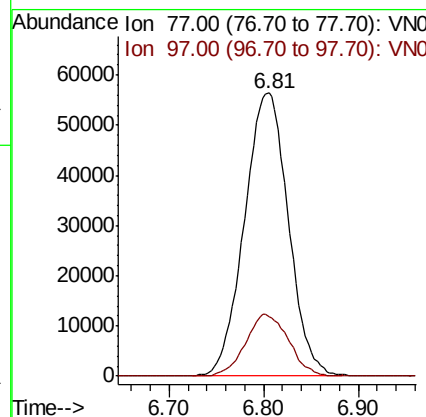
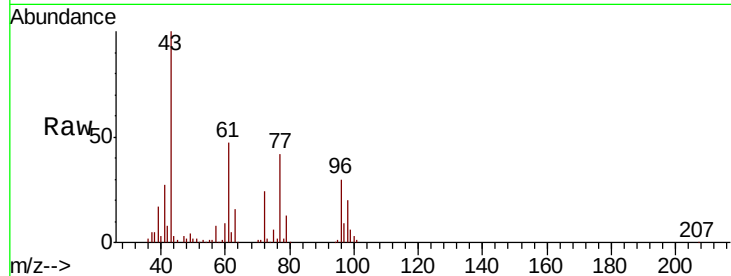
#31
 2,2-Dichloropropane
 Concen: 21.806 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.3	17.9	26.9

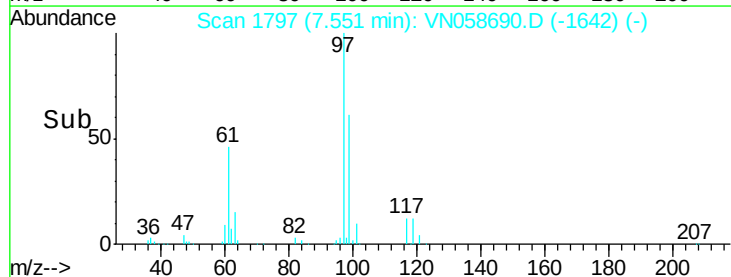
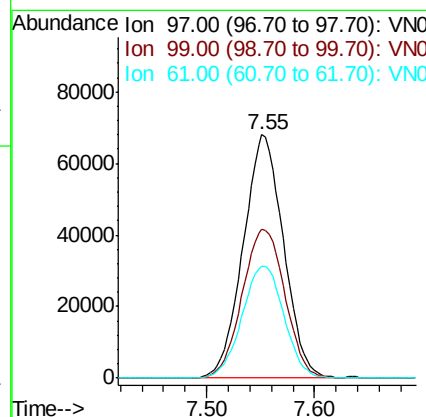
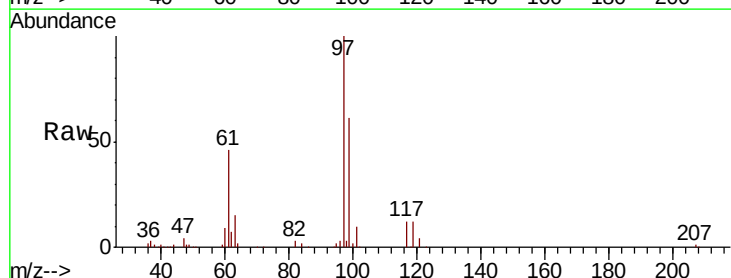
Manual Integrations
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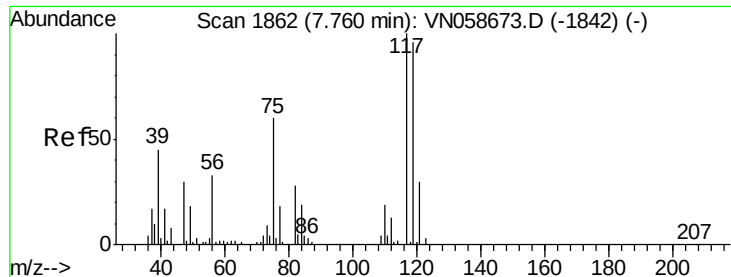
MMDadoda
 10/14/2019 4:59:25 PM



#32
 1,1,1-Trichloroethane
 Concen: 21.591 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	48.0	38.4	57.6





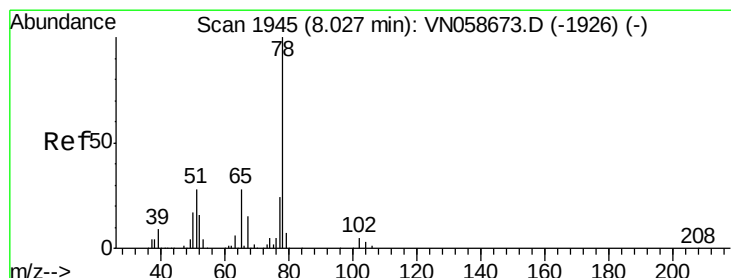
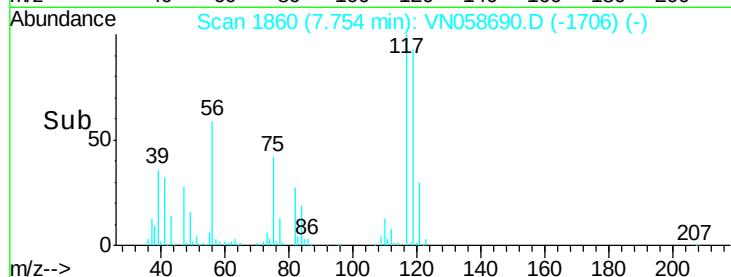
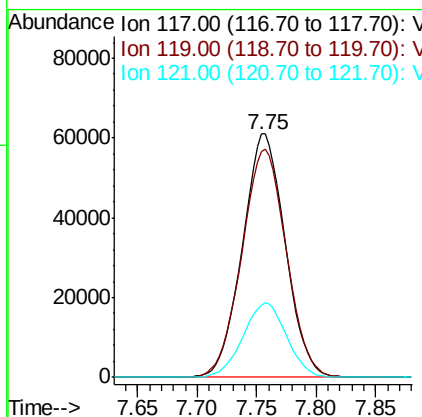
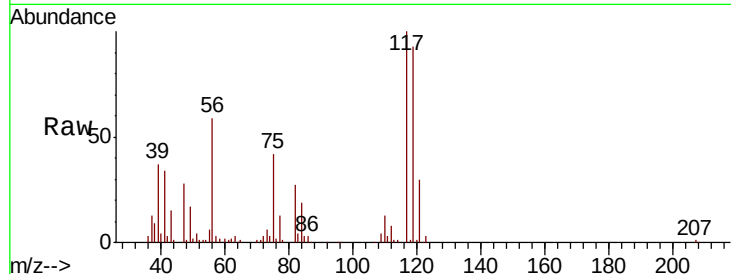
#33
Carbon Tetrachloride
Concen: 21.425 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.9	115.3
121	29.6	23.8	35.8

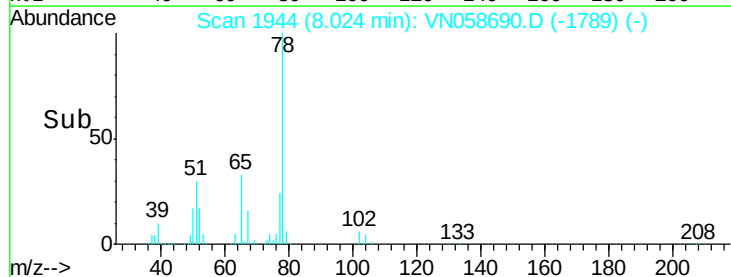
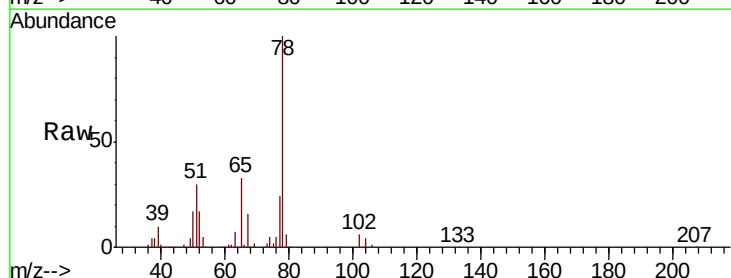
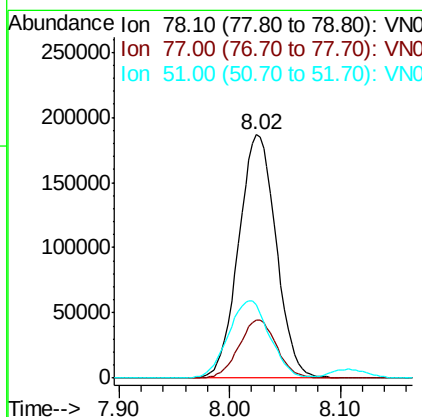
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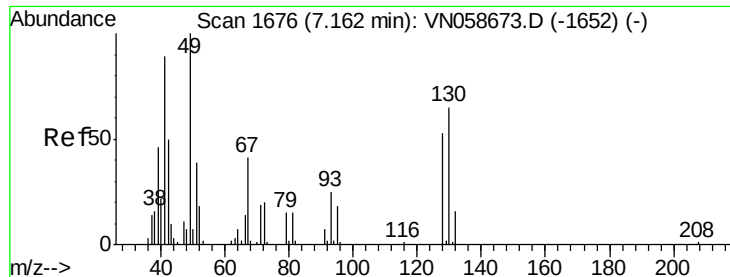
MMDadoda
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#34
Benzene
Concen: 21.150 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8
51	29.9	22.1	33.1





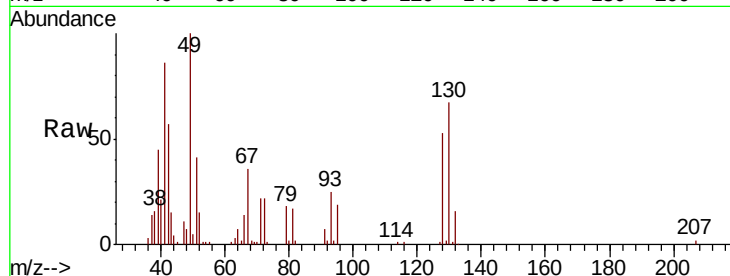
#35
Methacrylonitrile
Concen: 22.026 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

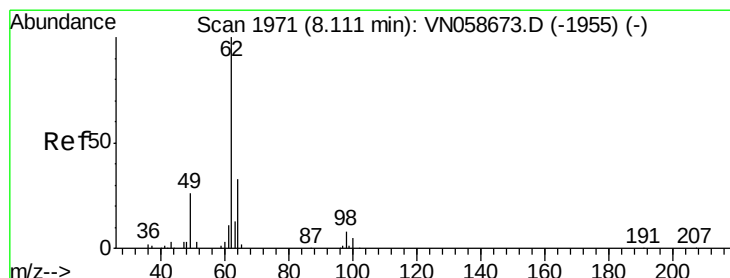
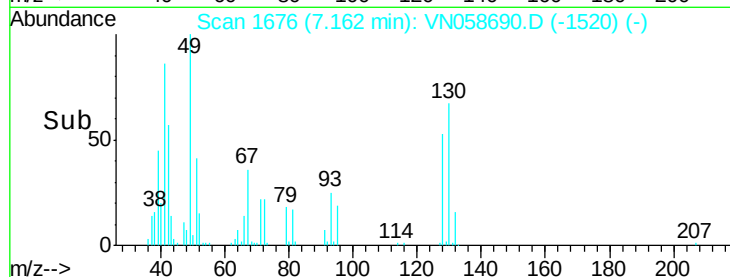
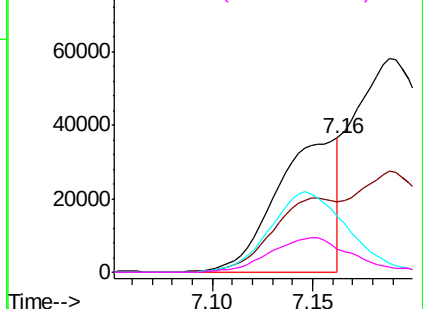
Tot Ion	41	Resp	77861
Ion	Ratio	Lower	Upper
41	100		
39	52.4	25.8	77.4
67	42.2	23.0	69.0
52	17.6	10.1	30.1

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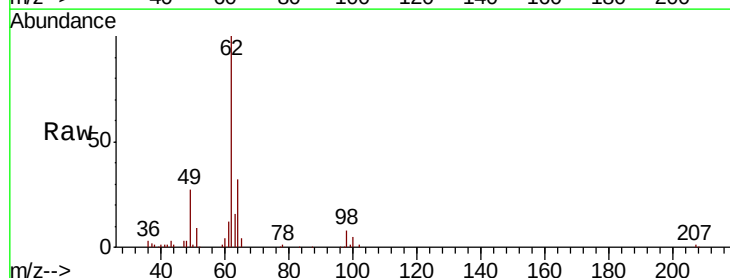


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

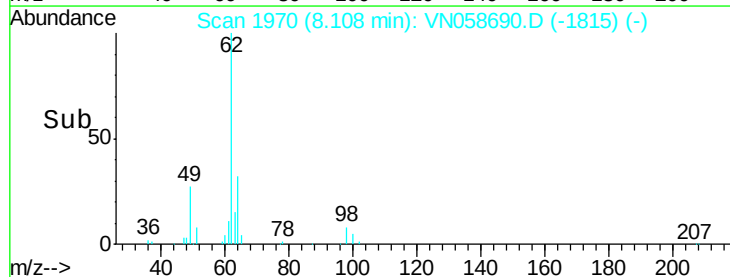
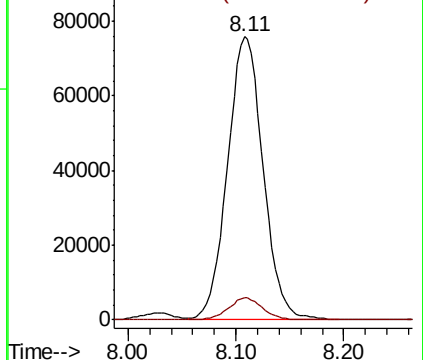


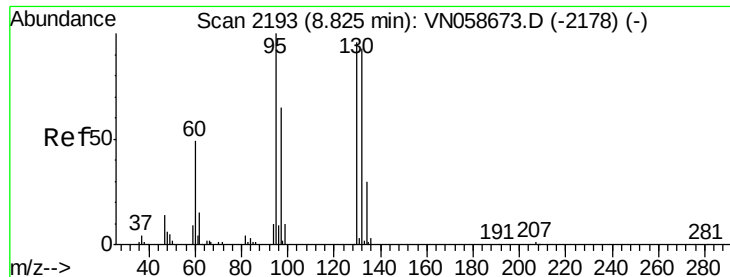
#36
1,2-Dichloroethane
Concen: 21.773 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	62	Resp	173550
Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.4	9.6



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 21.477 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tot Ion:130 Resp: 109998

Ion Ratio Lower Upper

130 100

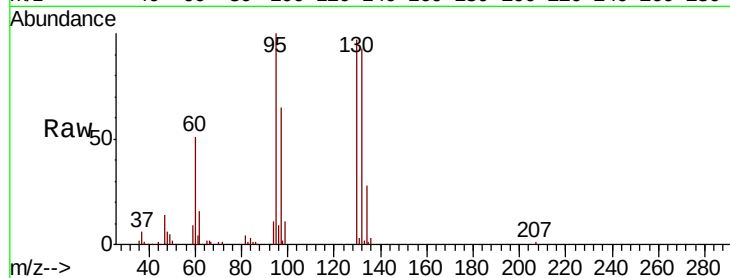
95 102.5 83.2 124.8

Manual Integrations

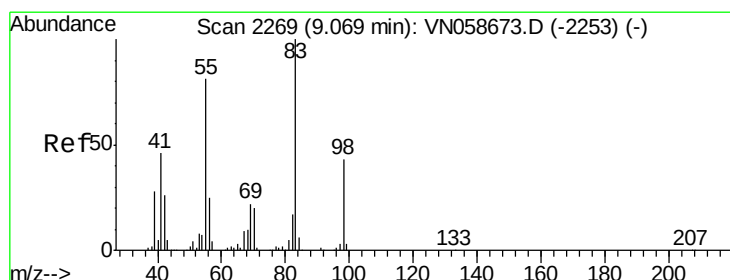
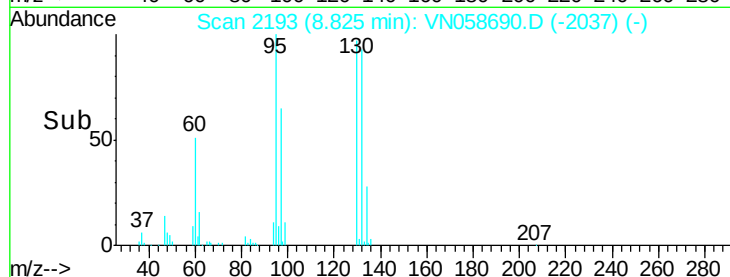
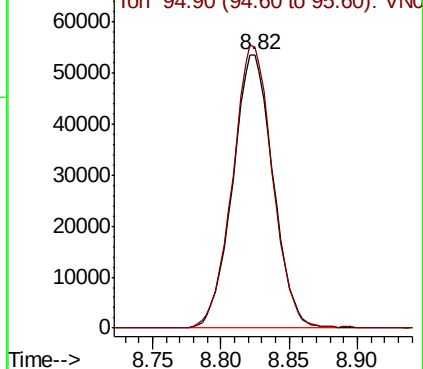
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Abundance Ion 129.90 (129.60 to 130.60): VN058690.D (-2037) (-)



#38

Methylcyclohexane

Concen: 20.438 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

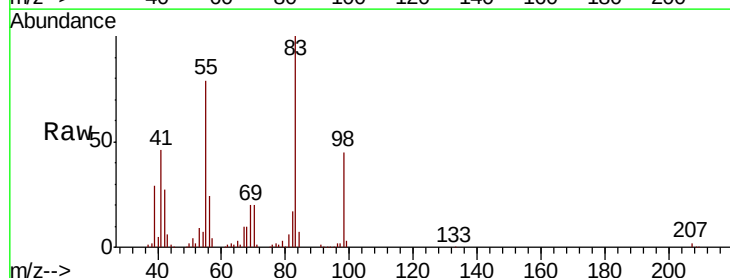
Tgt Ion: 83 Resp: 167799

Ion Ratio Lower Upper

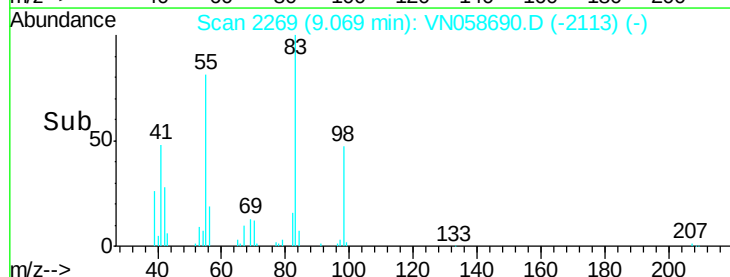
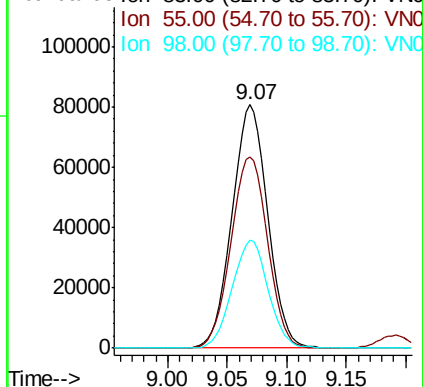
83 100

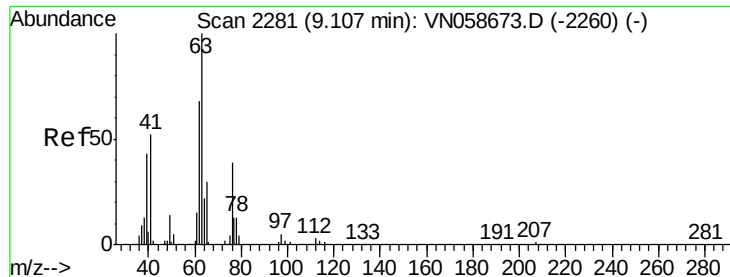
55 80.8 40.4 121.1

98 44.7 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN058690.D (-2113) (-)





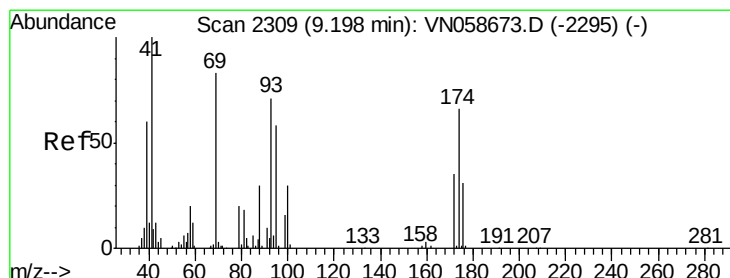
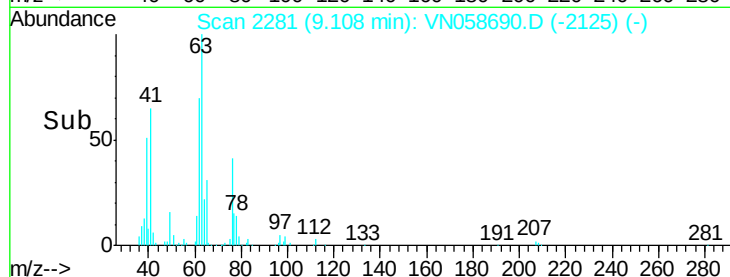
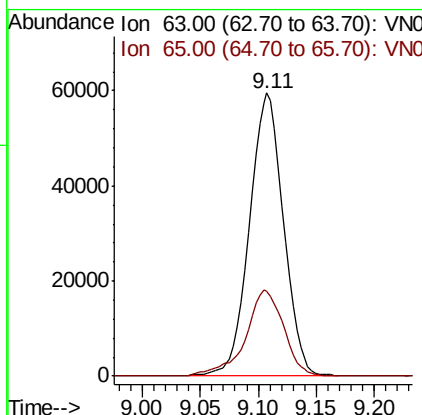
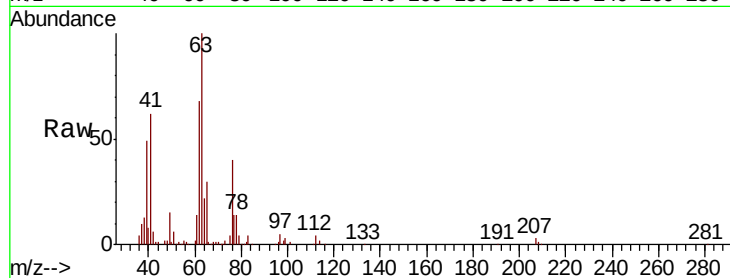
#39
 1,2-Dichloropropane
 Concen: 21.397 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	23.8	35.6

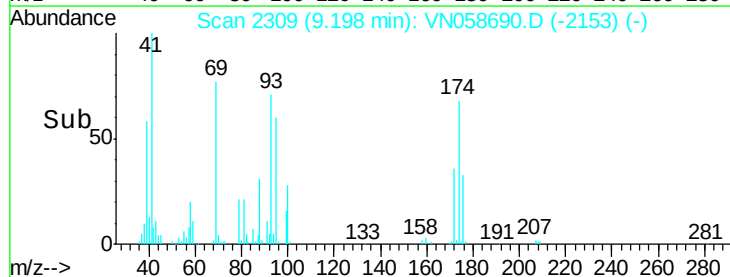
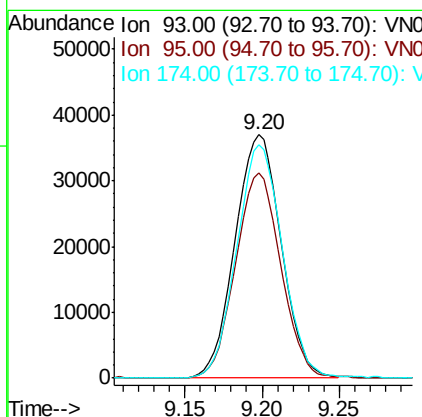
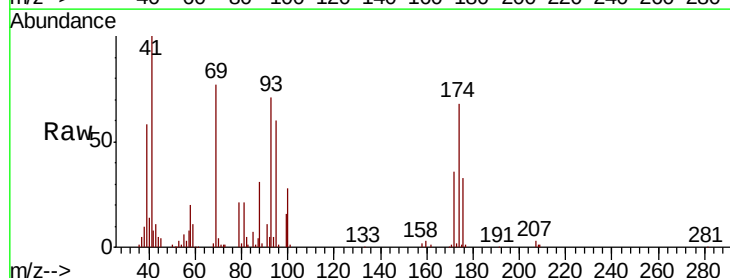
Manual Integrations
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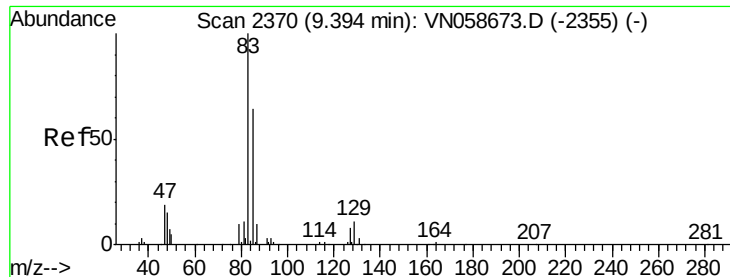
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#40
 Dibromomethane
 Concen: 21.427 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	0.0	167.6
174	94.4	0.0	187.2





#41

Bromodichloromethane

Concen: 21.512 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

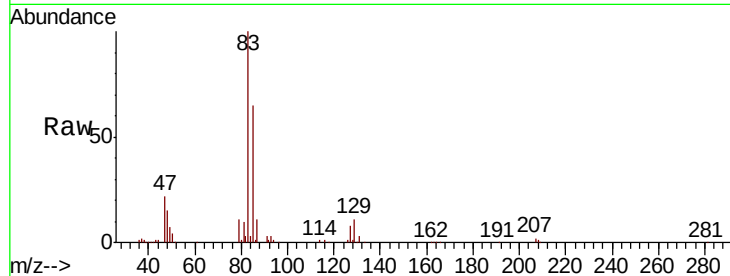
ClientSampleId :

VN1012WBS01

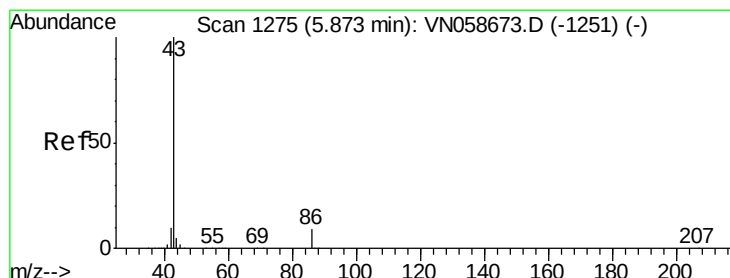
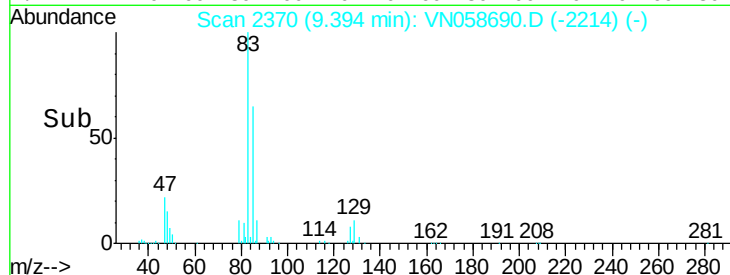
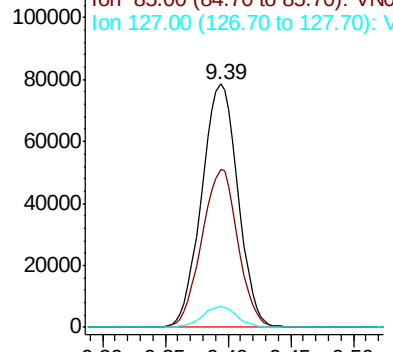
Tot Ion:	83	Resp:	158060
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.0	76.4
127	8.3	6.6	9.8

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VN058690.D (-1119) (-)



#42

Vinyl Acetate

Concen: 109.814 ug/l

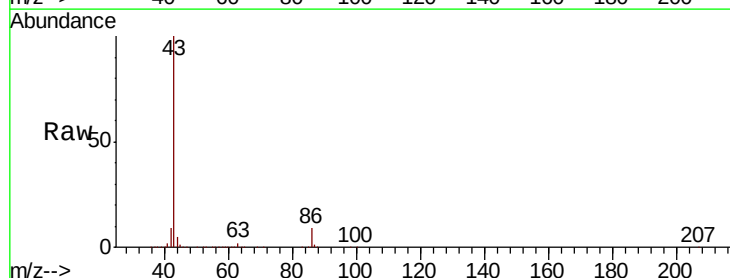
RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

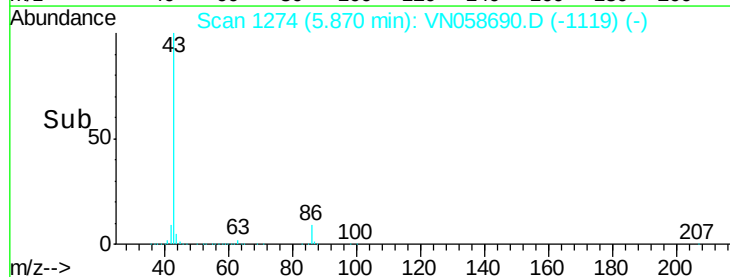
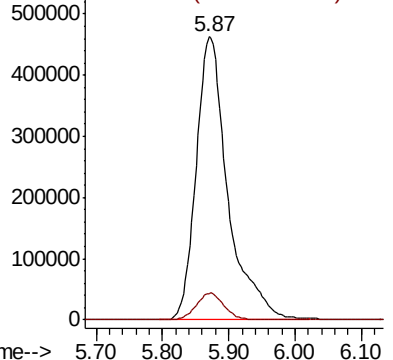
Lab File: VN058690.D

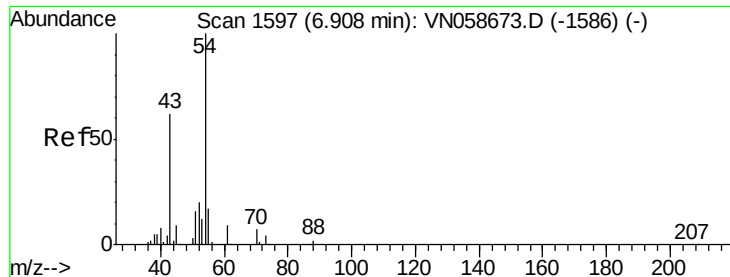
Acq: 11 Oct 2019 10:03

Tgt Ion:	43	Resp:	1538993
Ion Ratio	Lower	Upper	
43	100		
86	8.3	6.5	9.7



Abundance Ion 43.00 (42.70 to 43.70): VN058690.D (-1119) (-)





#43

Ethyl Acetate

Concen: 20.794 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tot Ion: 43 Resp: 163320

Ion Ratio Lower Upper

43 100

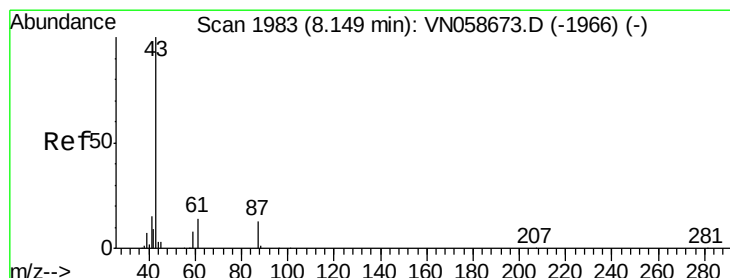
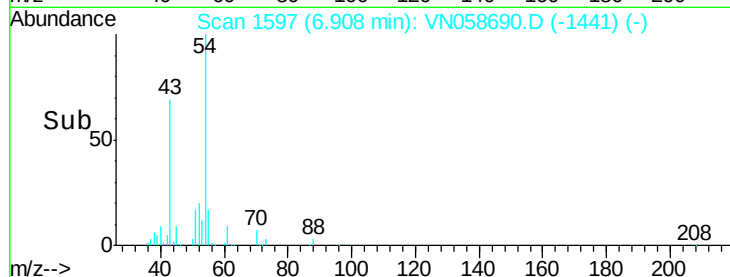
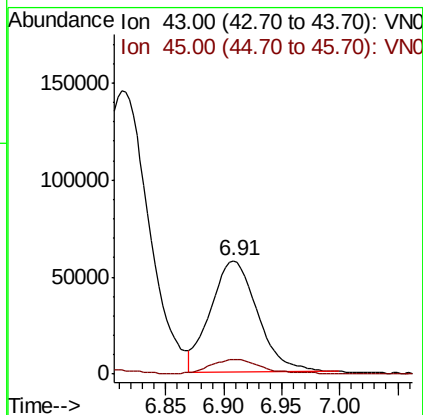
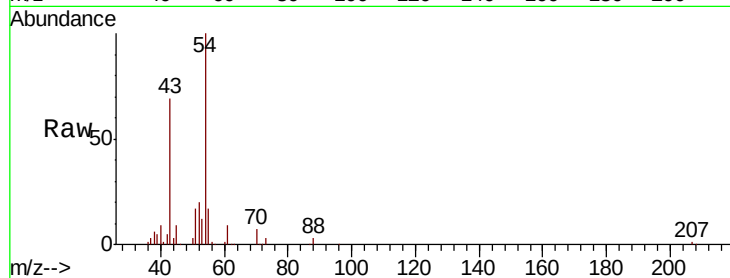
45 13.0 9.7 14.5

Manual Integrations

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#44

Isopropyl Acetate

Concen: 21.072 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058690.D

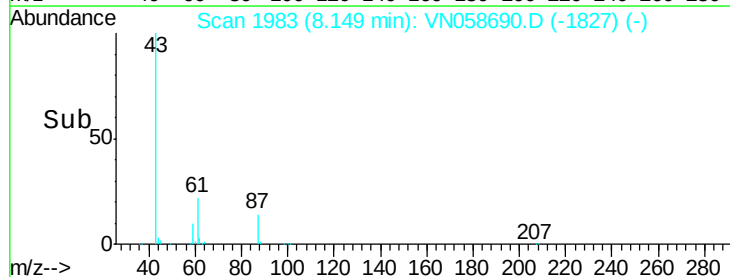
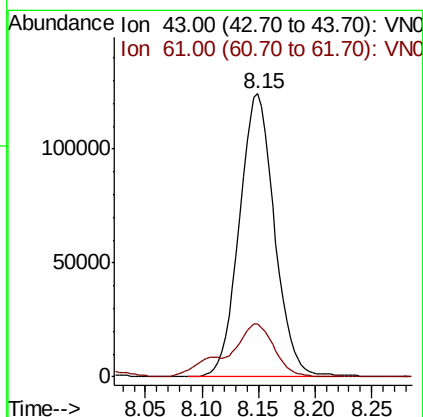
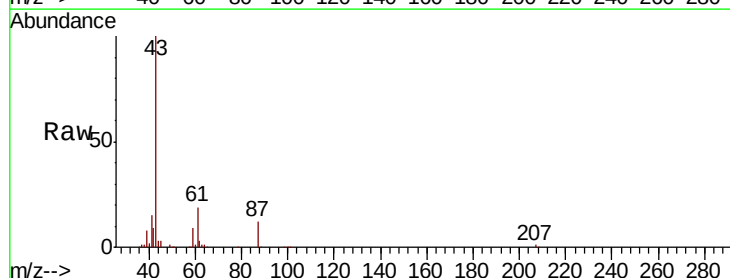
Acq: 11 Oct 2019 10:03

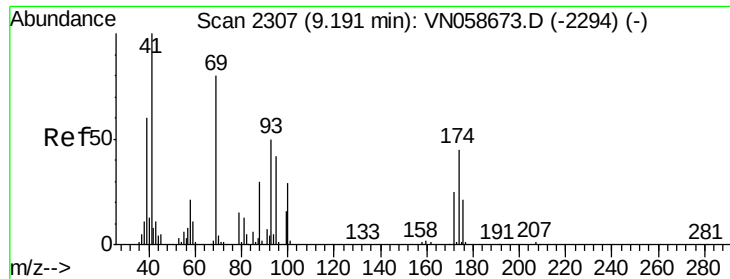
Tgt Ion: 43 Resp: 268088

Ion Ratio Lower Upper

43 100

61 19.1 19.9 29.9#





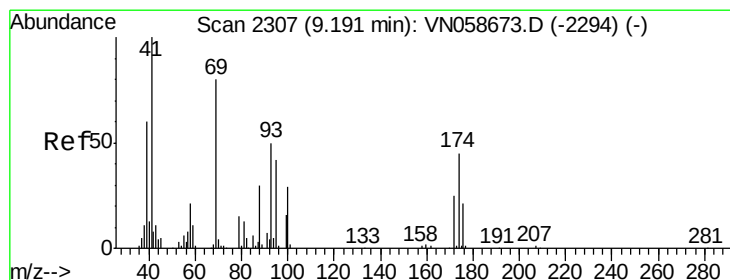
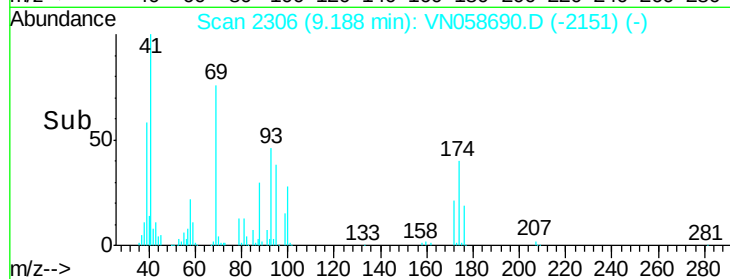
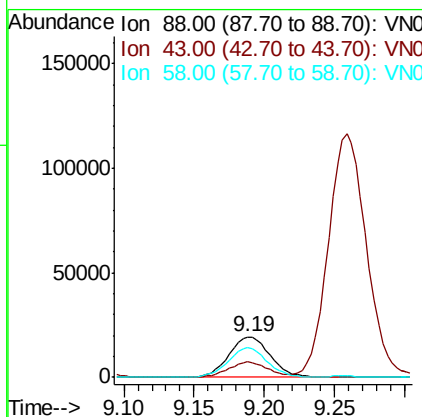
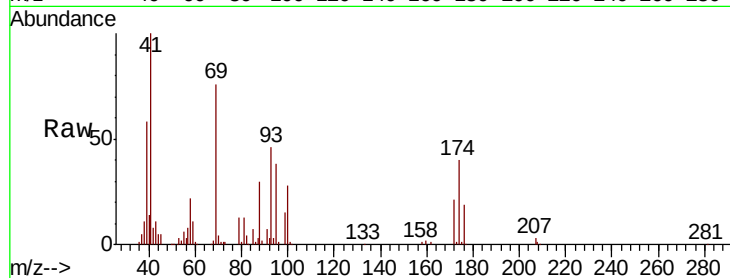
#45
 1,4-Dioxane
 Concen: 407.429 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	29.8	44.8
58	70.0	58.2	87.4

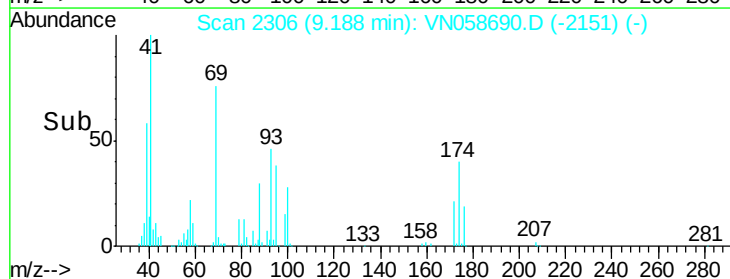
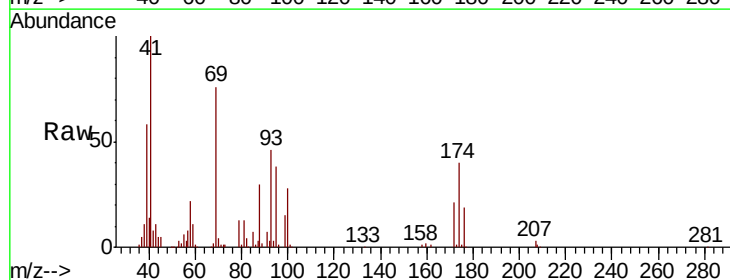
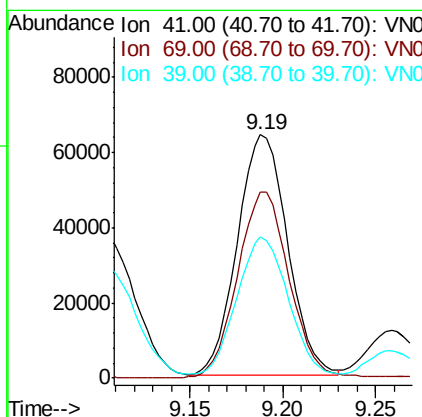
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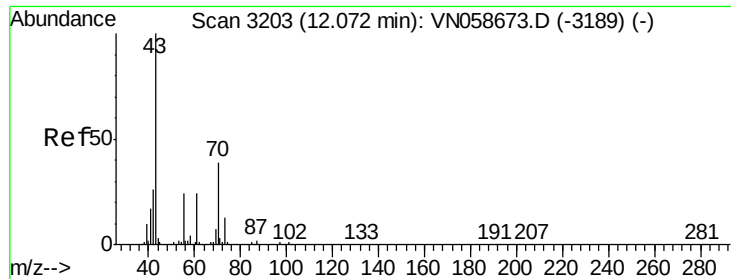
MMDadoda
 10/14/2019 4:59:25 PM



#46
 Methyl methacrylate
 Concen: 20.690 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.9	40.2	120.5
39	57.4	29.9	89.8





#47

n-amyl Acetate

Concen: 20.202 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tot Ion: 43 Resp: 227839

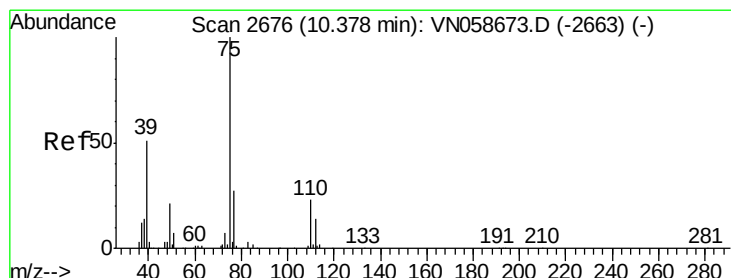
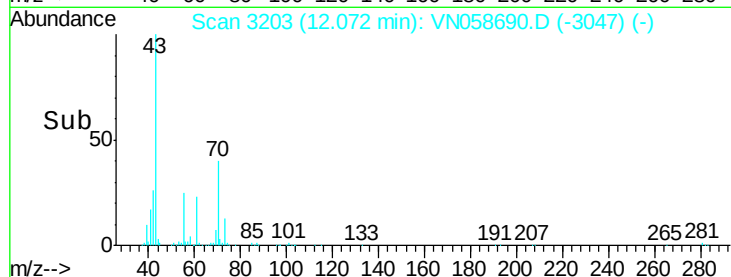
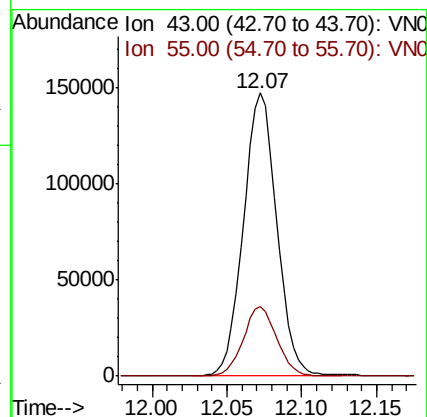
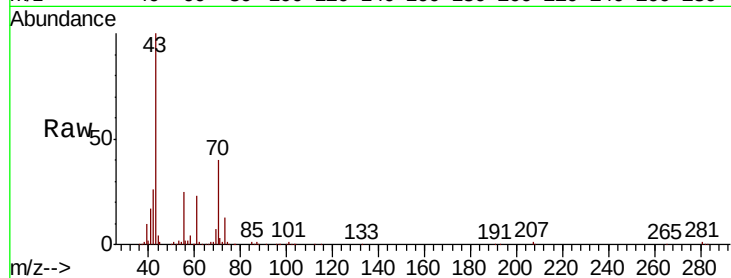
Ion Ratio Lower Upper

43 100

55 24.7 19.6 29.4

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 21.093 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058690.D

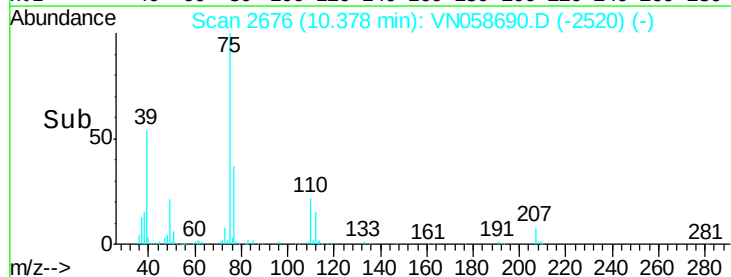
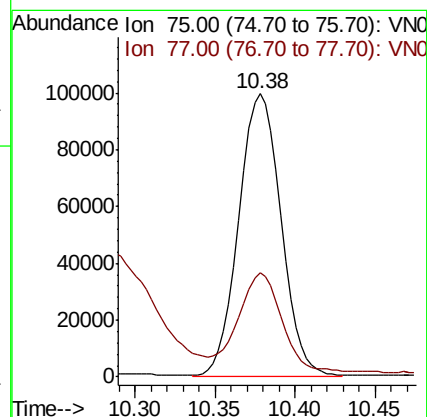
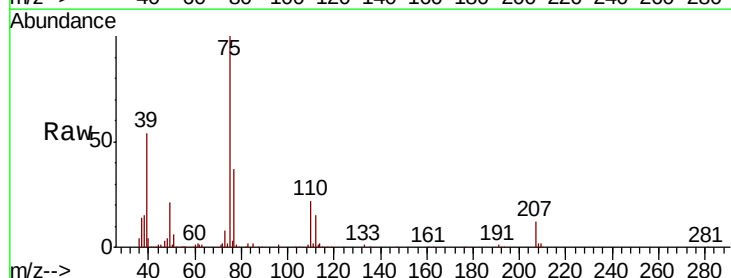
Acq: 11 Oct 2019 10:03

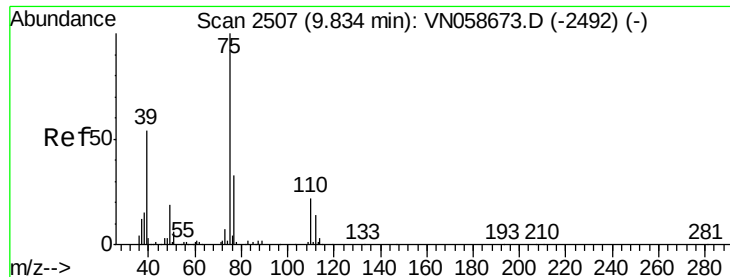
Tgt Ion: 75 Resp: 179738

Ion Ratio Lower Upper

75 100

77 34.8 27.0 40.4





#49

cis-1,3-Dichloropropene

Concen: 21.057 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

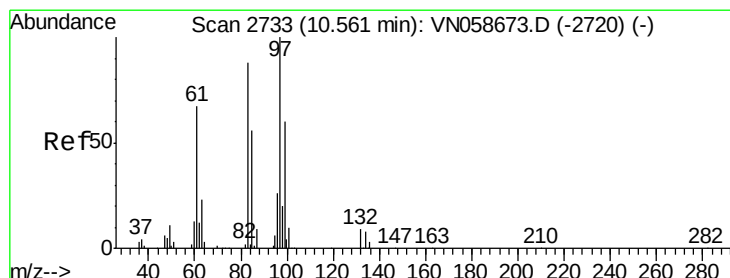
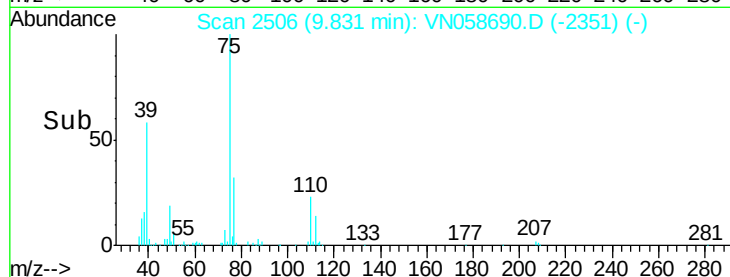
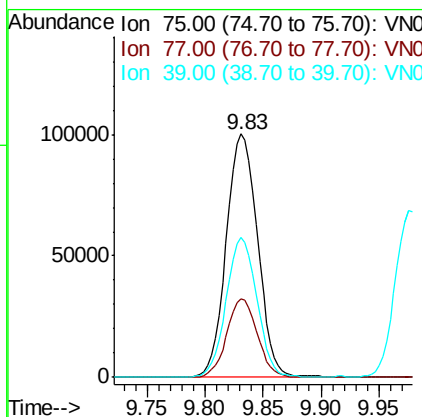
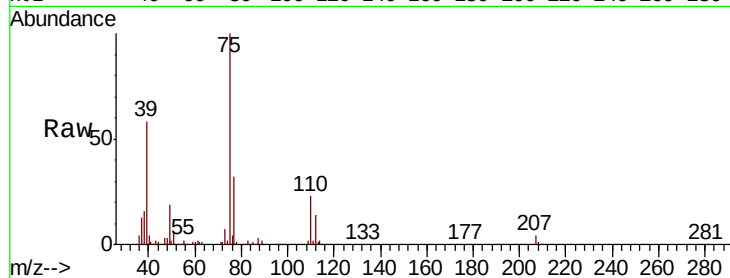
ClientSampleId :

VN1012WBS01

Tot Ion:	75	Resp:	188421
Ion Ratio		Lower	Upper
75	100		
77	32.2	26.1	39.1
39	57.3	43.1	64.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 21.517 ug/l

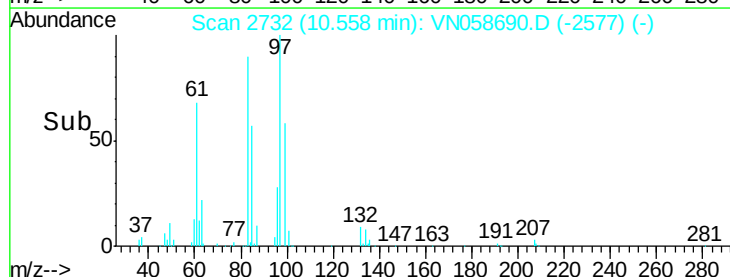
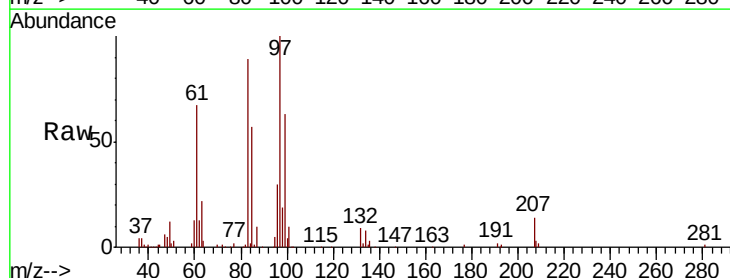
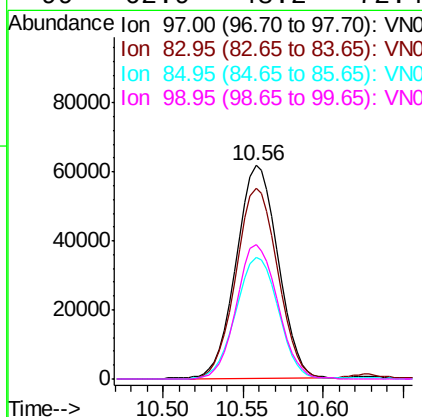
RT: 10.56 min Scan# 2732

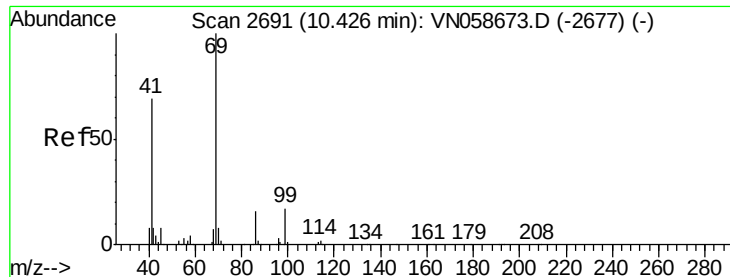
Delta R.T. -0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Tgt Ion:	97	Resp:	110474
Ion Ratio		Lower	Upper
97	100		
83	89.8	70.7	106.1
85	57.1	45.1	67.7
99	62.9	48.2	72.4





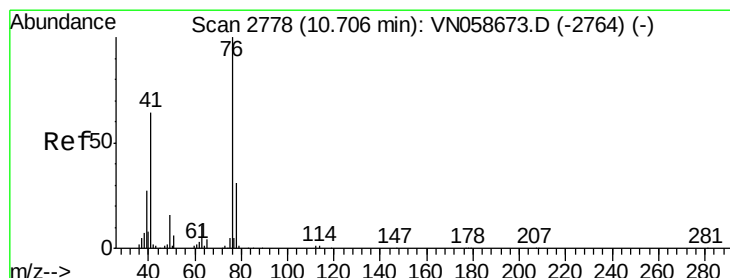
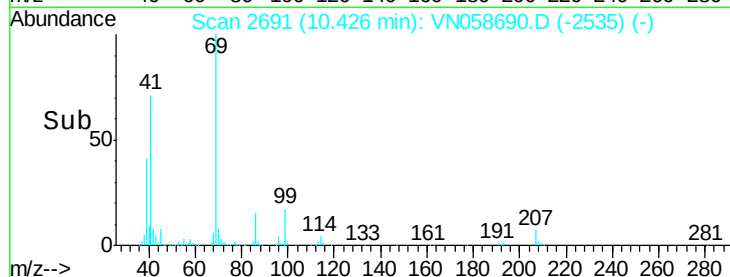
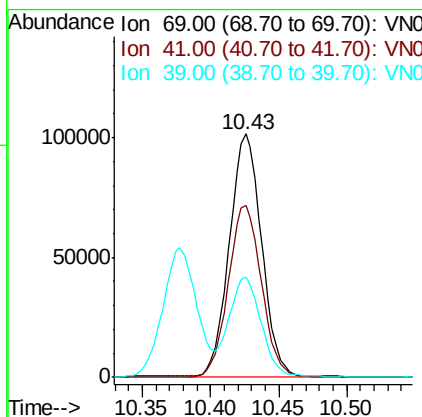
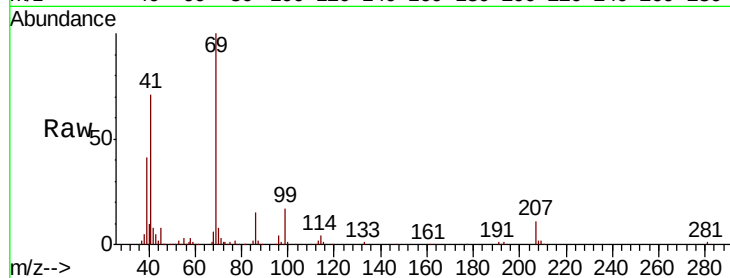
#51
Ethyl methacrylate
Concen: 20.424 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	70.2	34.7	104.1
39	40.6	20.3	60.8

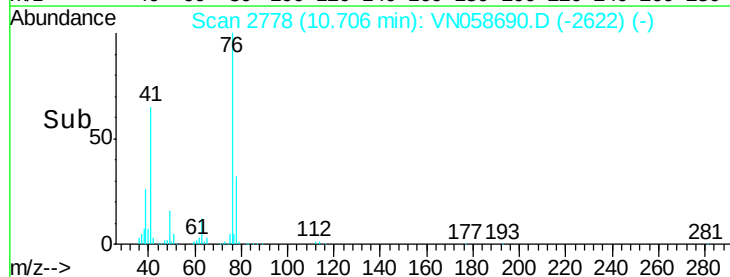
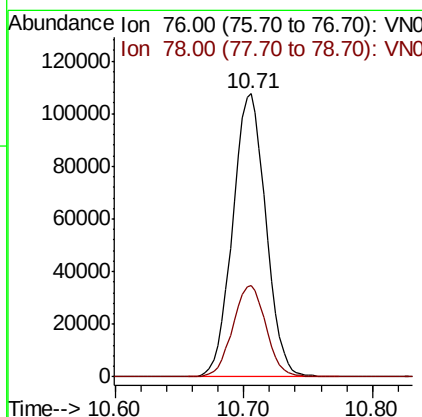
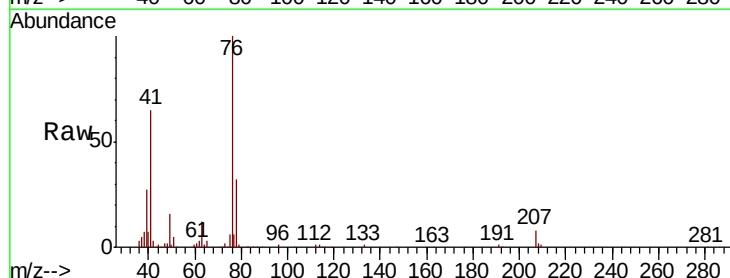
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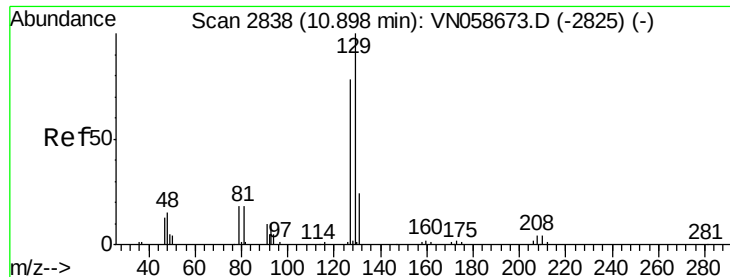
MMDadoda
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#52
1,3-Dichloropropane
Concen: 21.053 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	63.2





#53

Dibromochloromethane

Concen: 21.055 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tot Ion:129 Resp: 116017

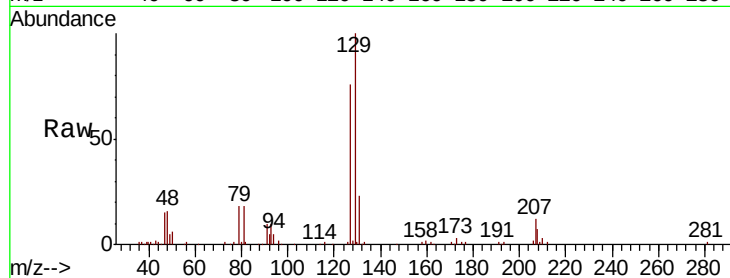
Ion Ratio Lower Upper

129 100

127 77.0 39.1 117.5

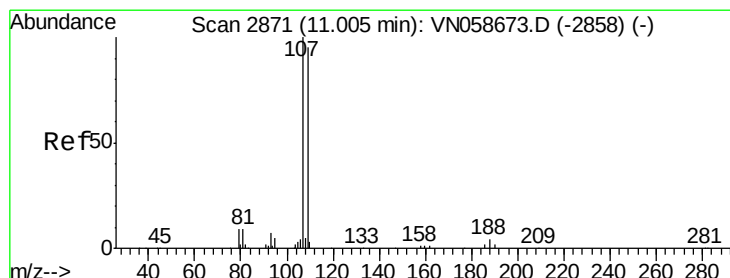
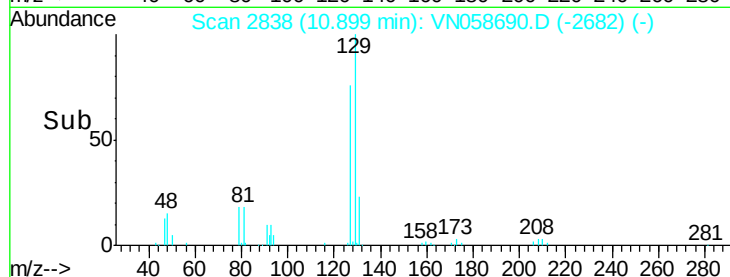
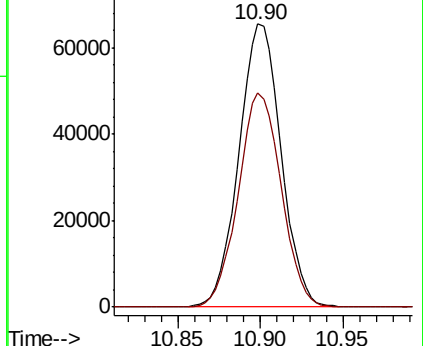
Manual Integrations
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.013 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058690.D

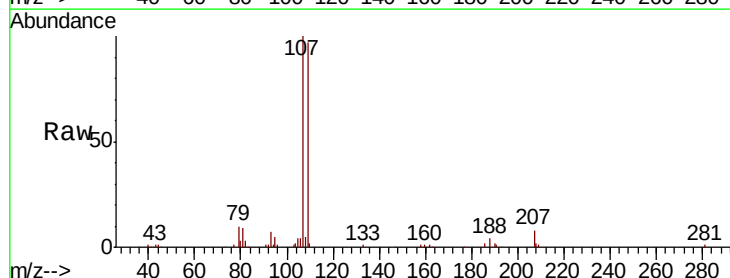
Acq: 11 Oct 2019 10:03

Tgt Ion:107 Resp: 111825

Ion Ratio Lower Upper

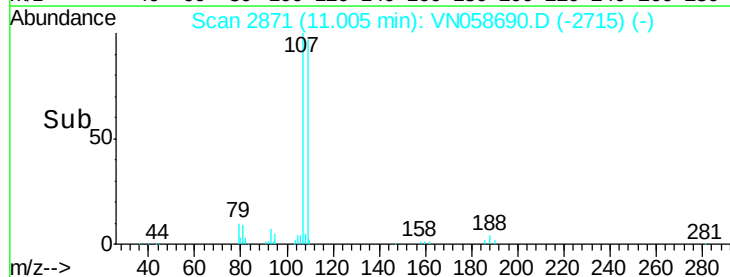
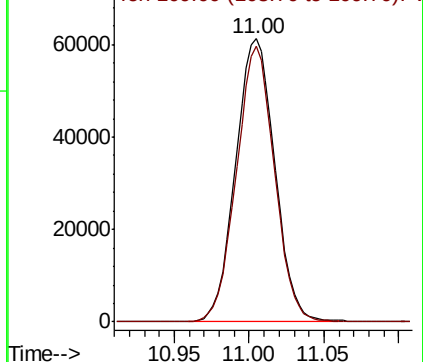
107 100

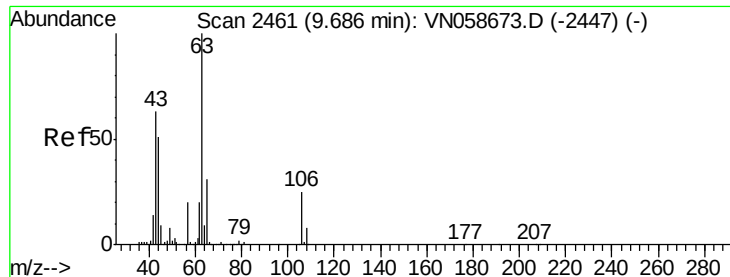
109 94.3 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 108.532 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

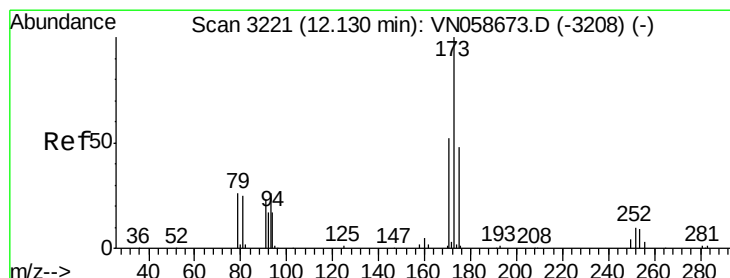
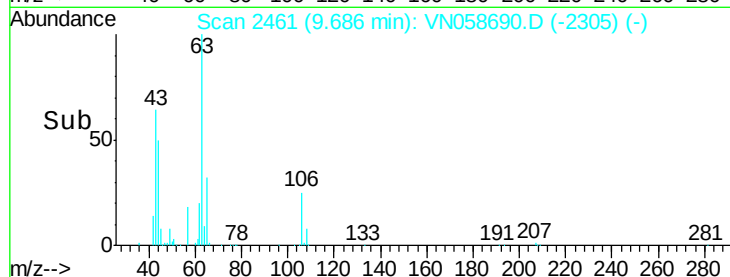
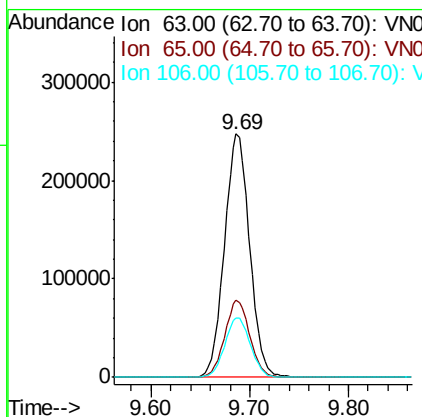
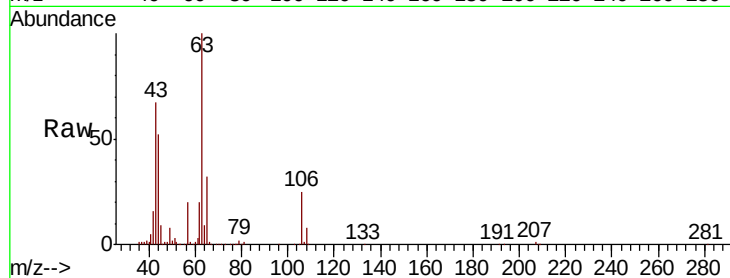
ClientSampleId :

VN1012WBS01

Tot Ion:	63	Resp:	443227
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.3	37.9
106	24.9	19.8	29.6

Manual Integrations
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#56

Bromoform

Concen: 20.632 ug/l

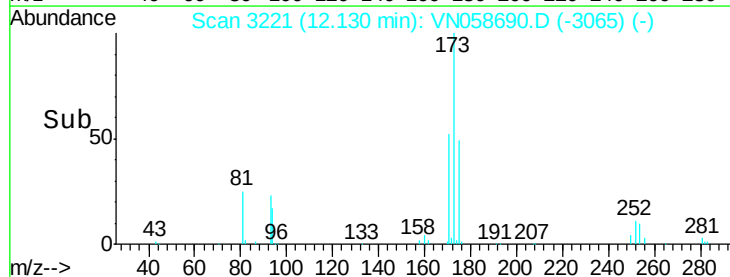
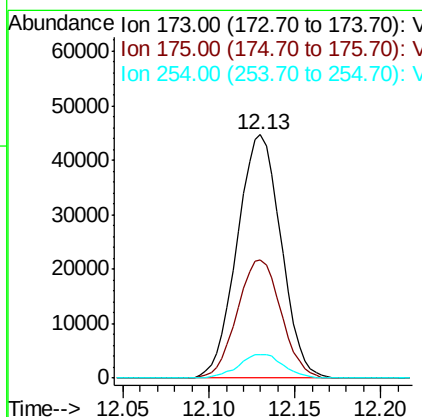
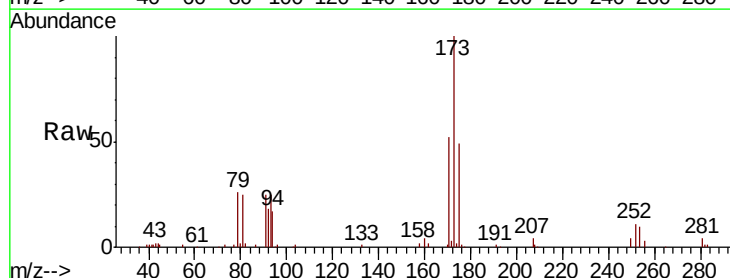
RT: 12.13 min Scan# 3221

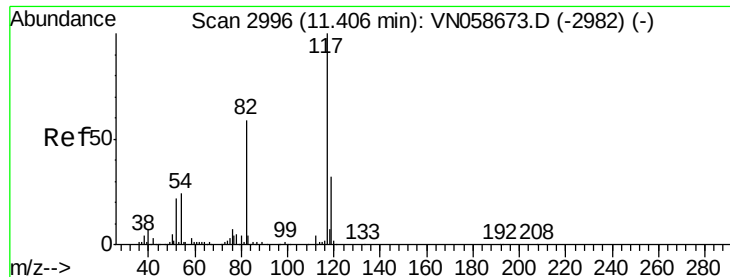
Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Tgt Ion:	173	Resp:	79196
Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
254	9.8	7.4	11.2





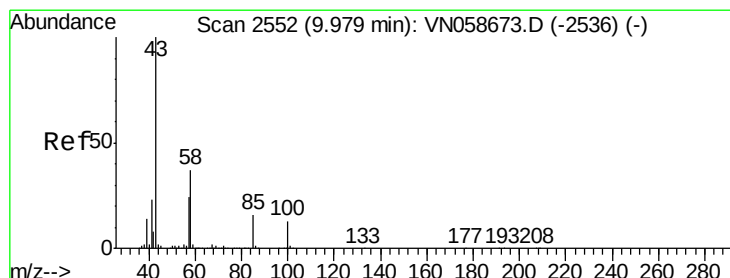
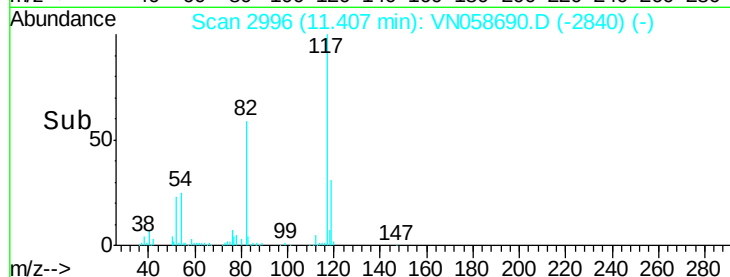
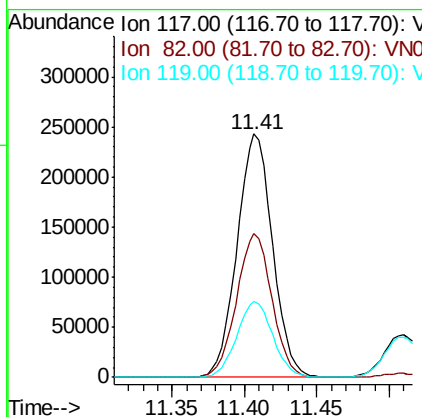
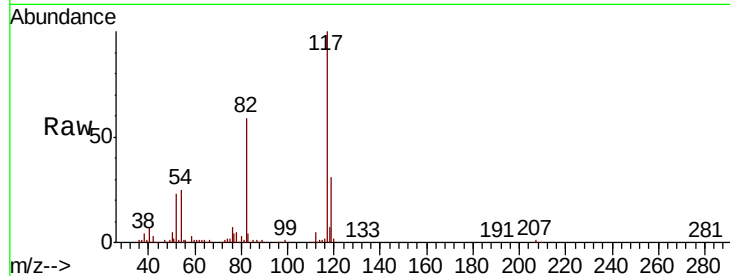
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.9	70.3
119	31.7	25.8	38.6

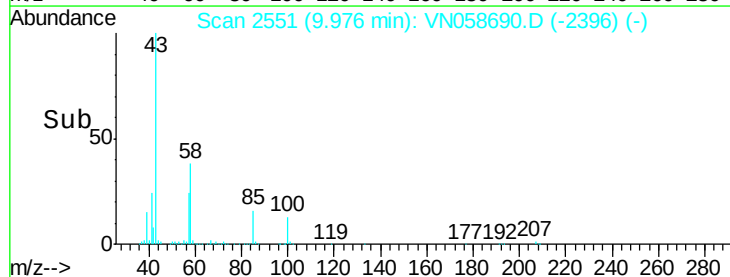
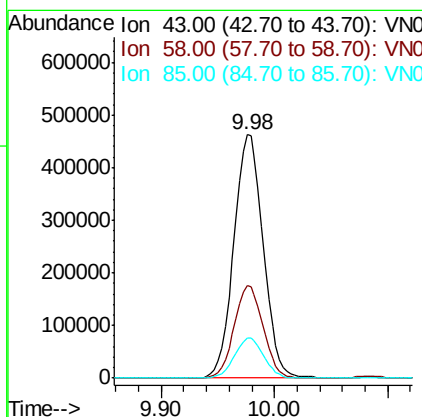
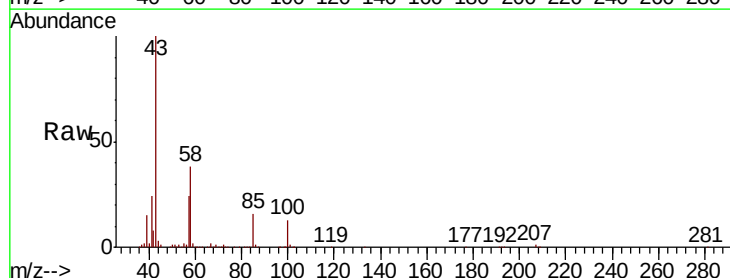
Manual Integrations
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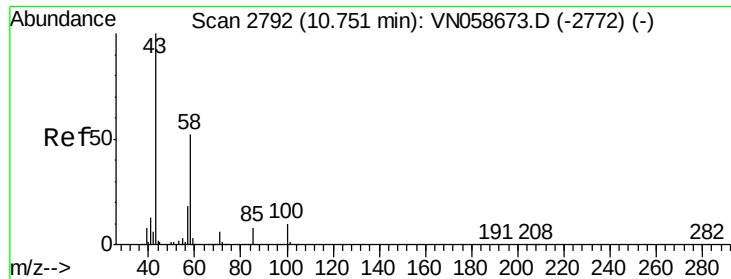
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 111.053 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.1	45.1
85	16.4	13.2	19.8





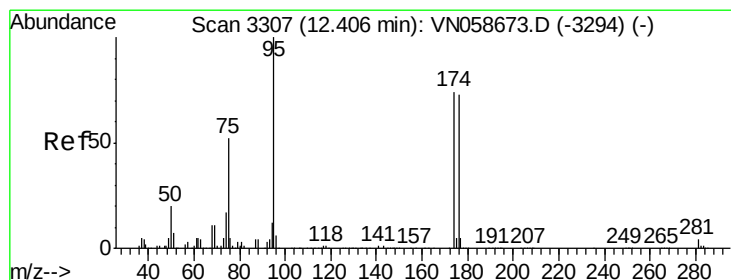
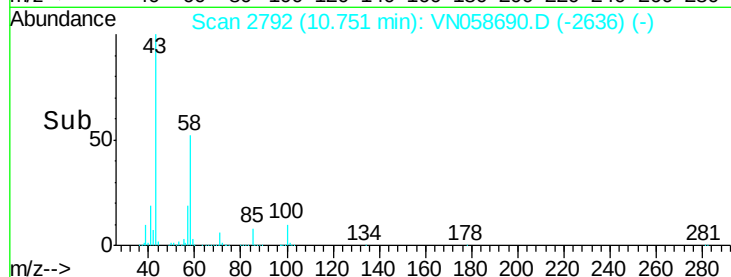
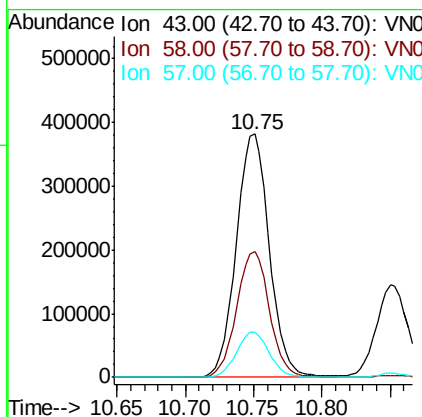
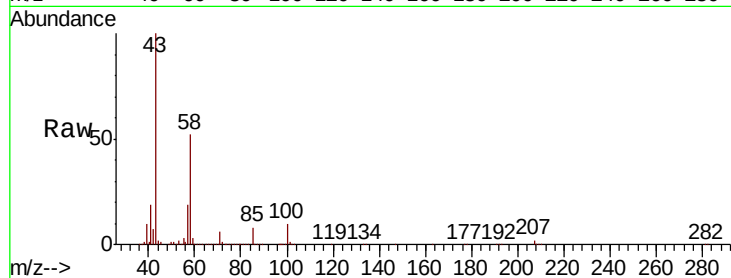
#59
2-Hexanone
Concen: 108.721 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	41.4	62.0
57	18.5	14.7	22.1

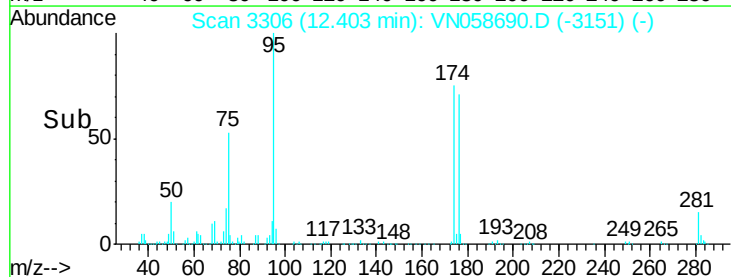
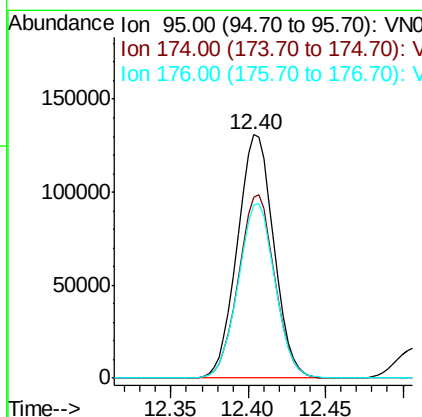
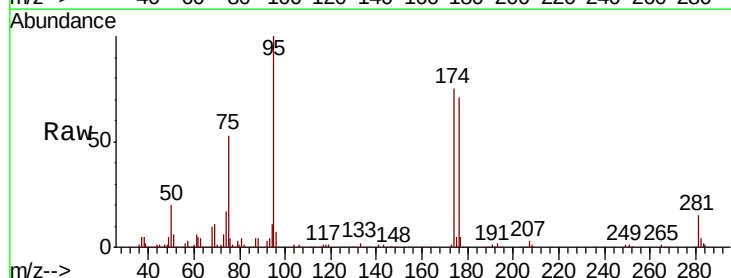
Manual Integrations
APPROVED

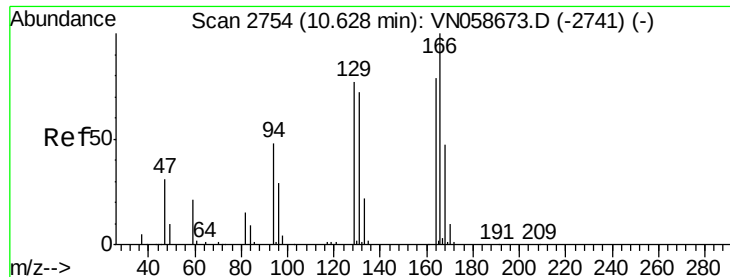
MMDadoda
10/14/2019 4:59:25 PM



#60
4-Bromofluorobenzene
Concen: 29.749 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	59.9	89.9
176	72.4	58.3	87.5





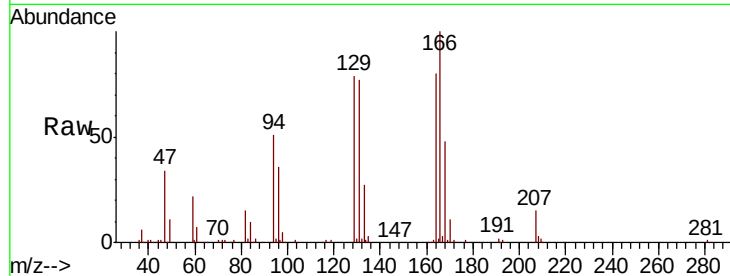
#61
Tetrachloroethene
Concen: 20.981 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	164	Resp	93589
Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.4	152.2
129	98.2	78.1	117.1
131	96.0	73.2	109.8

Manual Integrations
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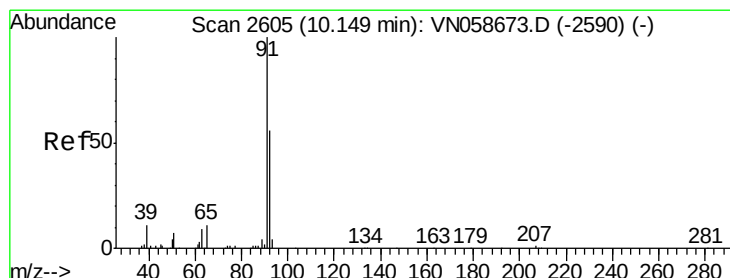
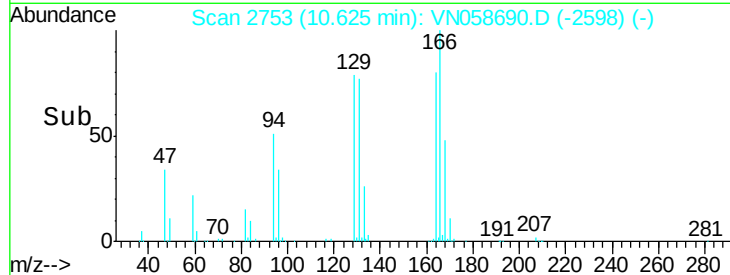
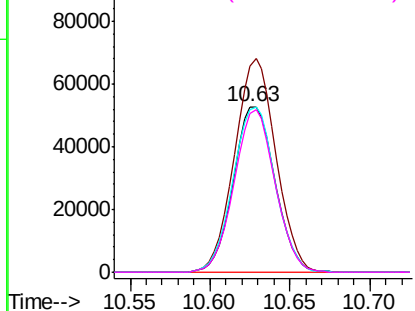
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

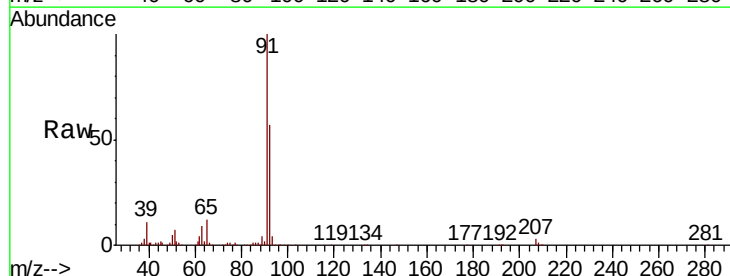
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 21.446 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

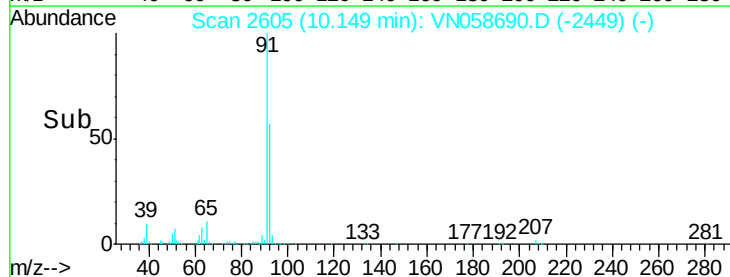
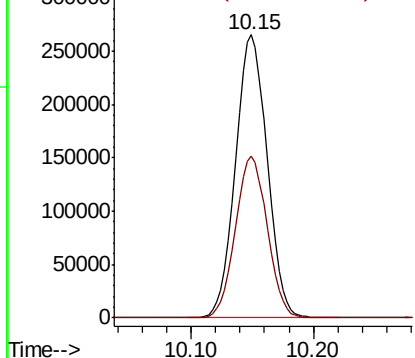
Tgt Ion	91	Resp	476187
Ion	Ratio	Lower	Upper
91	100		
92	57.3	45.4	68.2

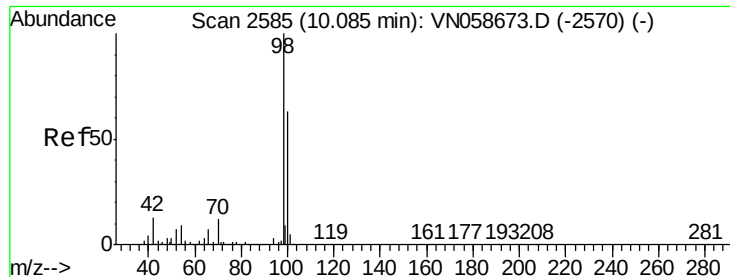


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





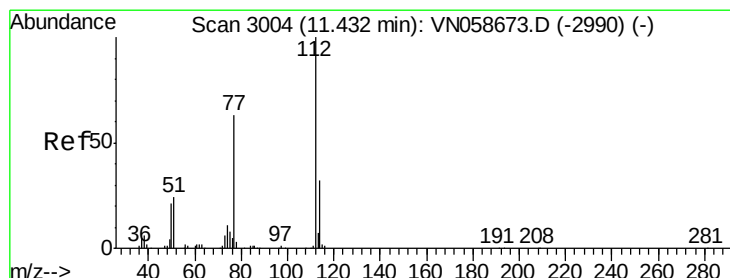
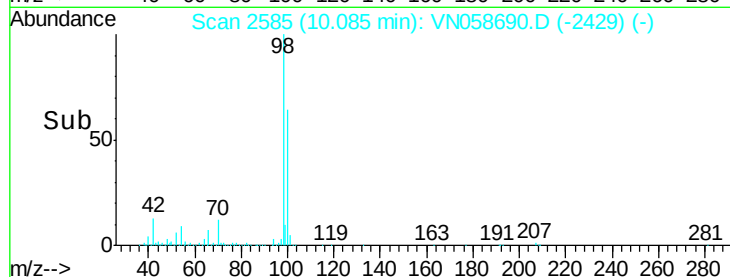
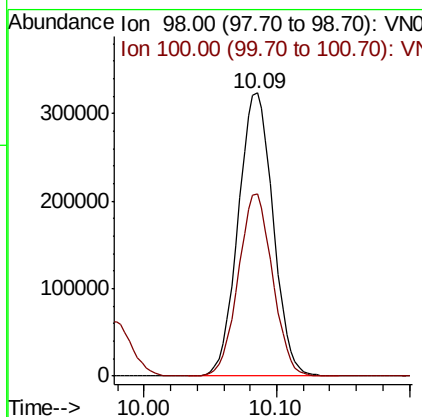
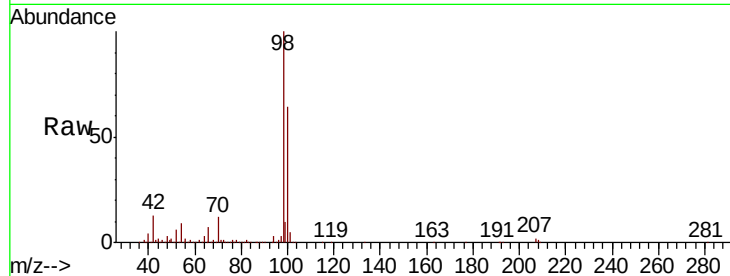
#63
Toluene-d8
Concen: 30.390 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion: 98 Resp: 592300
Ion Ratio Lower Upper
98 100
100 63.1 50.6 75.8

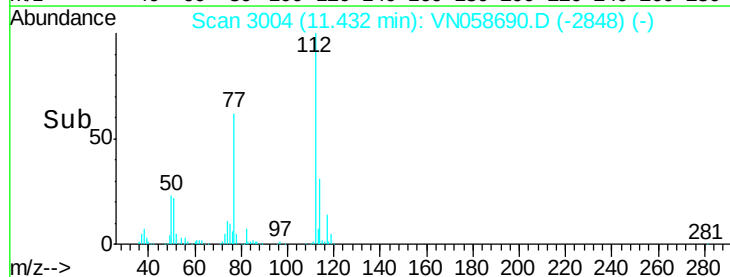
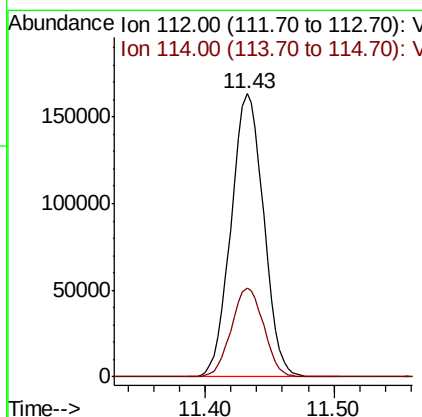
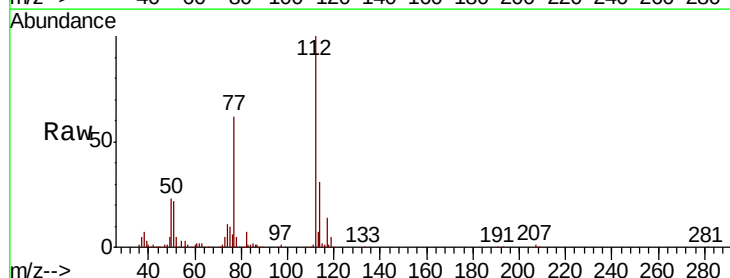
Manual Integrations
APPROVED

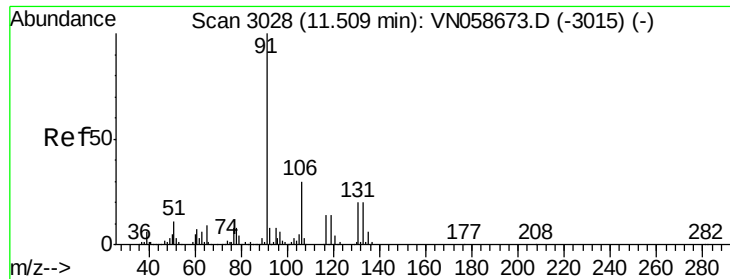
MMDadoda
10/14/2019 4:59:25 PM



#64
Chlorobenzene
Concen: 21.146 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion: 112 Resp: 287057
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 21.287 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

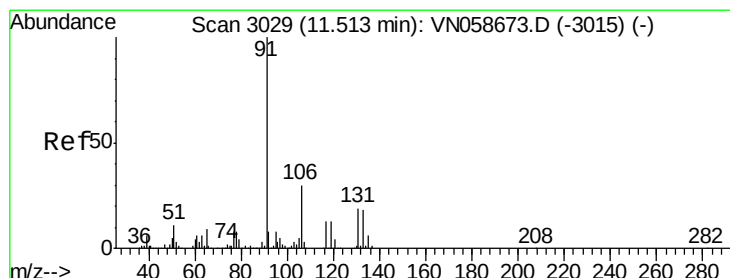
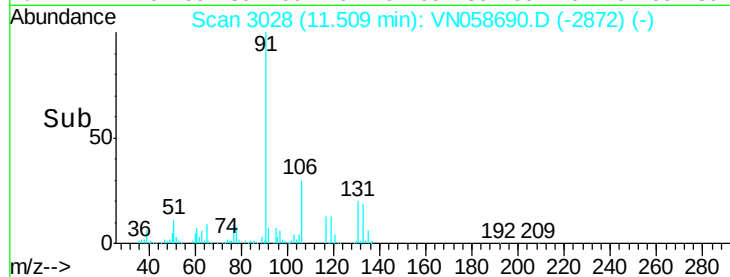
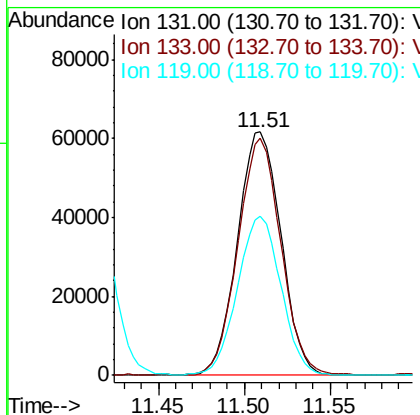
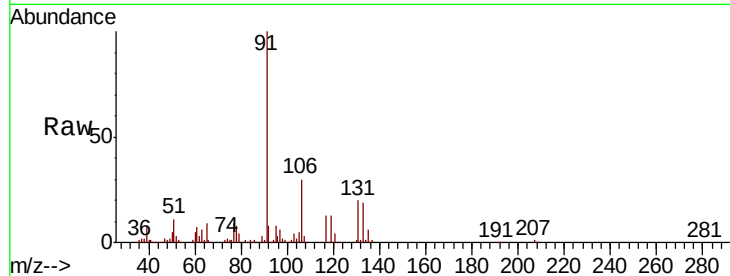
ClientSampleId :

VN1012WBS01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	108353		
133	95.3	0.0	194.0	
119	65.4	0.0	136.8	

Manual Integrations
APPROVED

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#66

Ethyl Benzene

Concen: 21.177 ug/l

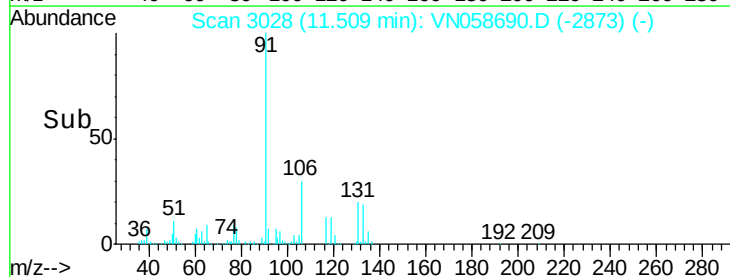
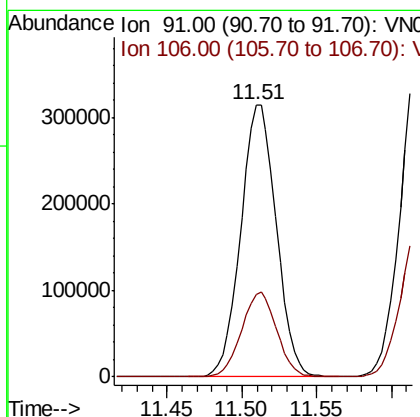
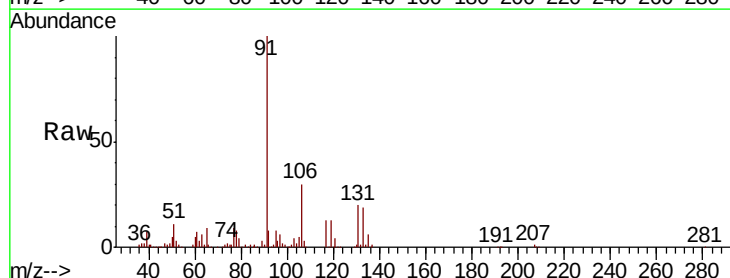
RT: 11.51 min Scan# 3028

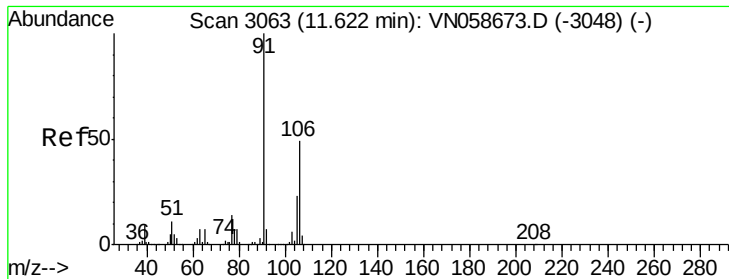
Delta R.T. -0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	520670		
106	30.3	24.2	36.4	





#67

m/p-Xylenes

Concen: 41.725 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tot Ion:106 Resp: 383262

Ion Ratio Lower Upper

106 100

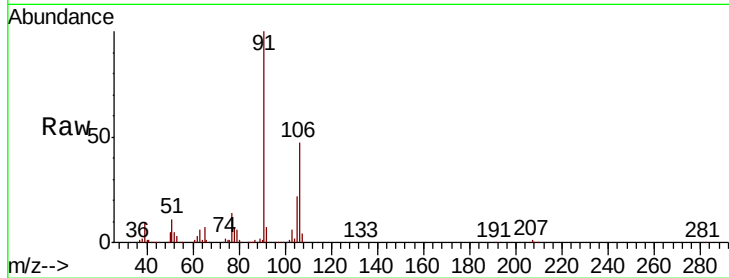
91 211.6 165.6 248.4

Manual Integrations

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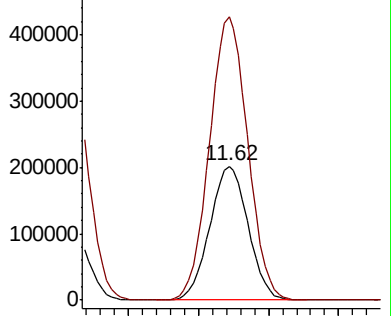
MMDadoda

10/14/2019 4:59:25 PM

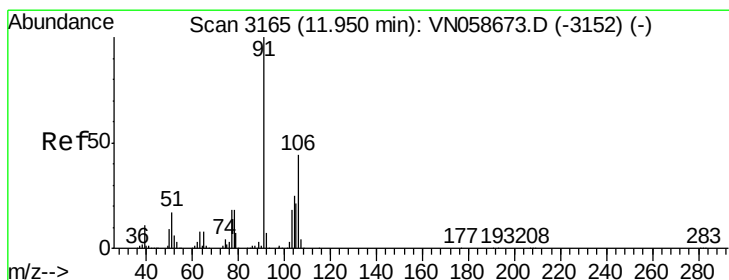
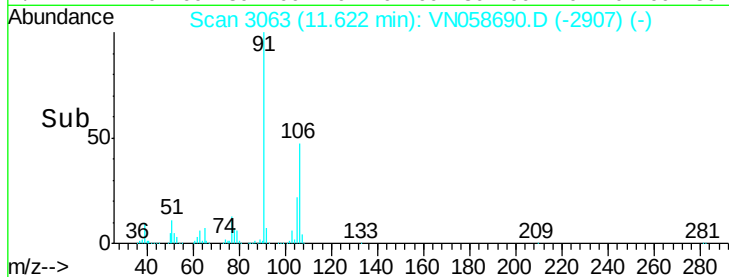


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



Time-->



#68

o-Xylene

Concen: 20.952 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058690.D

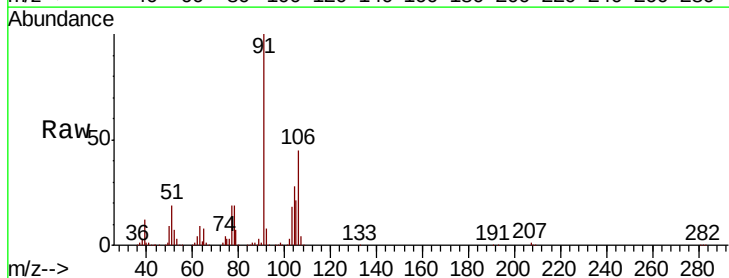
Acq: 11 Oct 2019 10:03

Tgt Ion:106 Resp: 186571

Ion Ratio Lower Upper

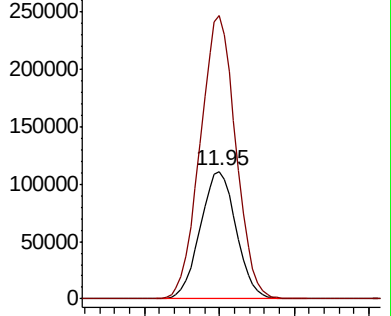
106 100

91 219.0 109.8 329.4

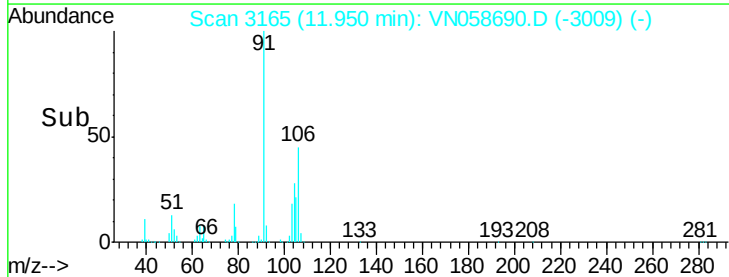


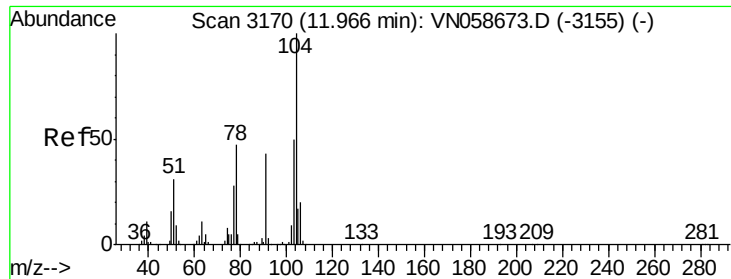
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



Time-->





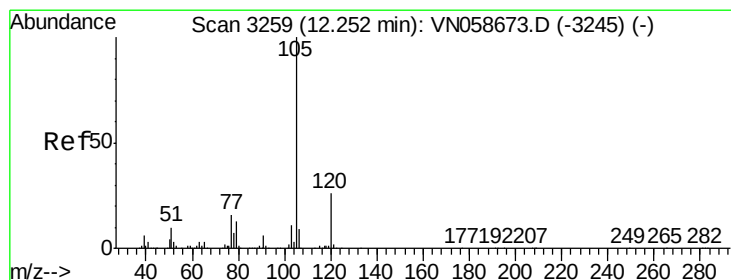
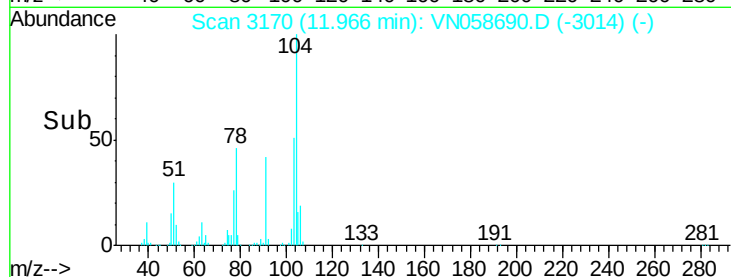
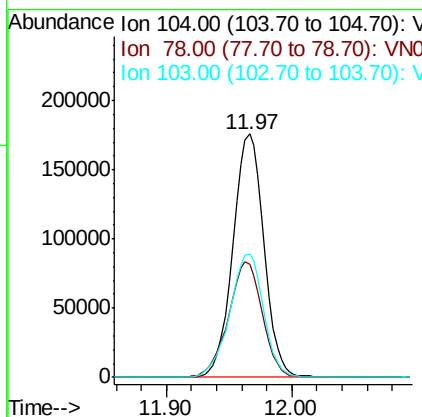
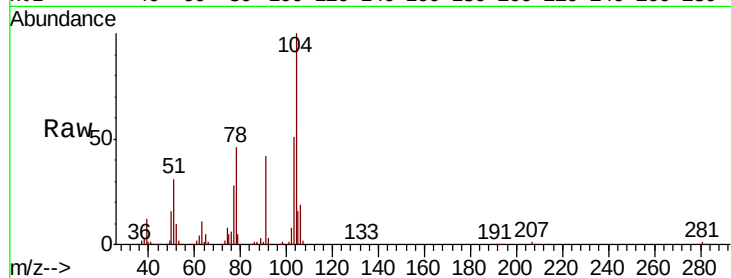
#69
Stvrene
Concen: 20.586 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	302835		
78	51.9		42.4	63.6
103	55.1		44.6	66.8

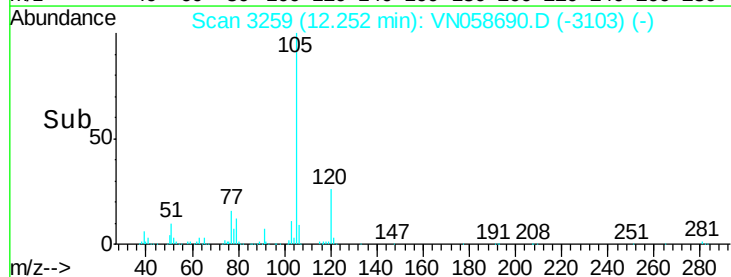
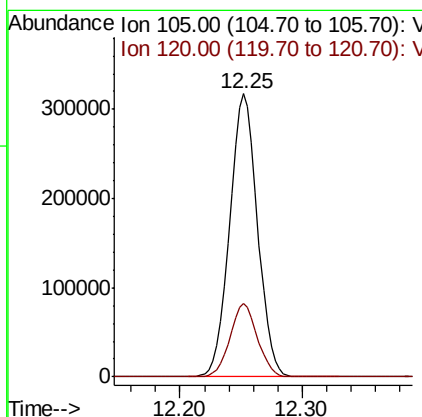
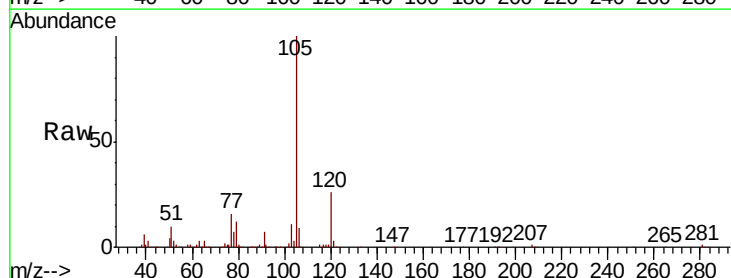
Manual Integrations
APPROVED

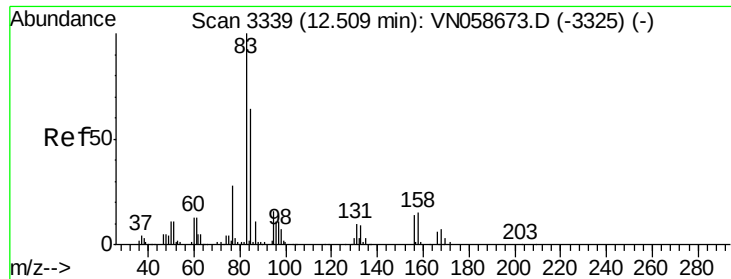
MMDadoda
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#70
Isopropylbenzene
Concen: 20.997 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	504800		
120	25.5		18.4	34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 20.964 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

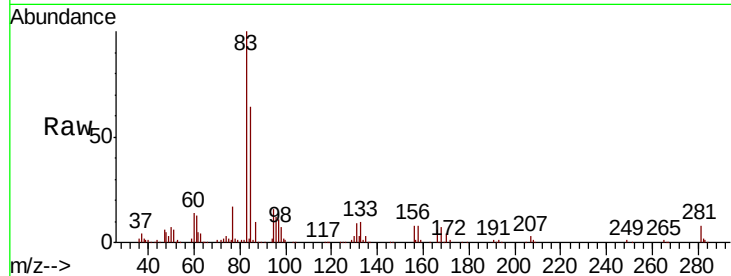
ClientSampleId :

VN1012WBS01

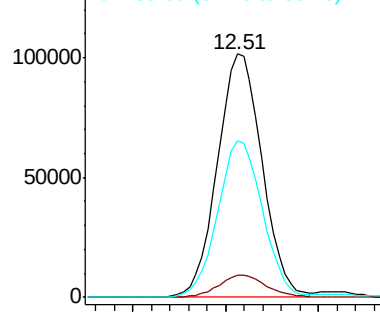
Tot Ion:	83	Resp:	169670
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	64.6	31.6	94.7

Manual Integrations
APPROVED

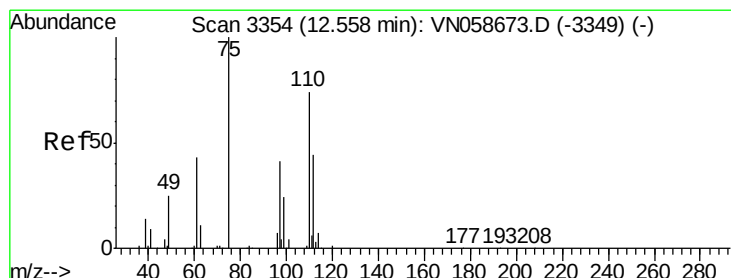
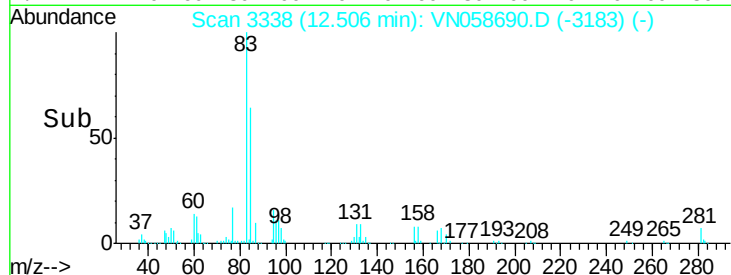
MMDadoda
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Abundance Ion 83.00 (82.70 to 83.70): VN058690.D (-3183) (-)



Time-->



#72

1,2,3-Trichloropropane

Concen: 20.785 ug/l m

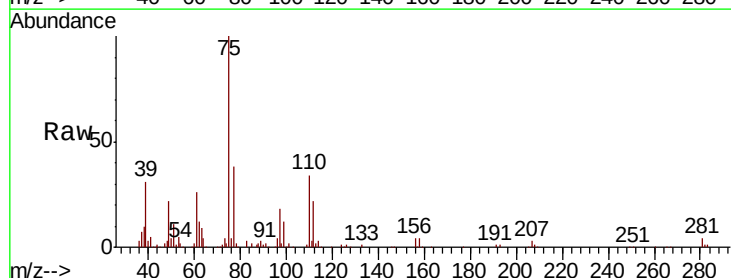
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

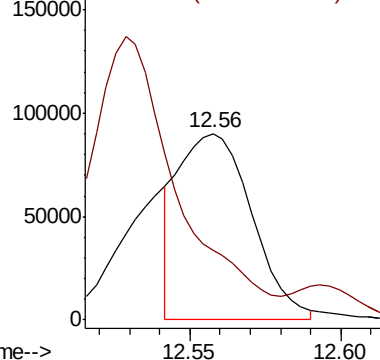
Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

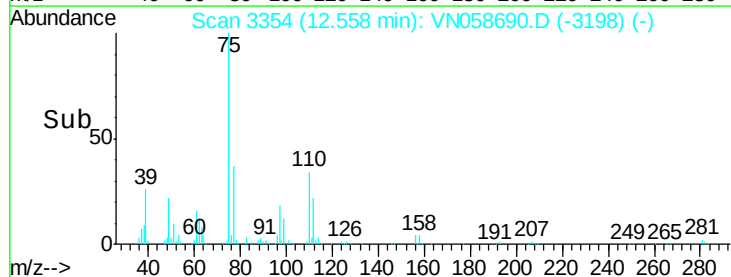
Tgt Ion:	75	Resp:	152435
Ion Ratio	Lower	Upper	
75	100		
77	182.4	0.0	359.4

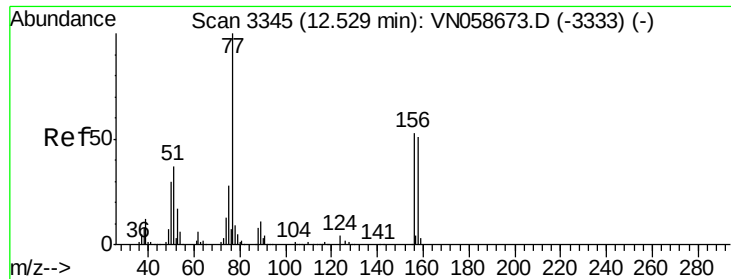


Abundance Ion 75.00 (74.70 to 75.70): VN058690.D (-3198) (-)



Time-->





#73

Bromobenzene

Concen: 20.699 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

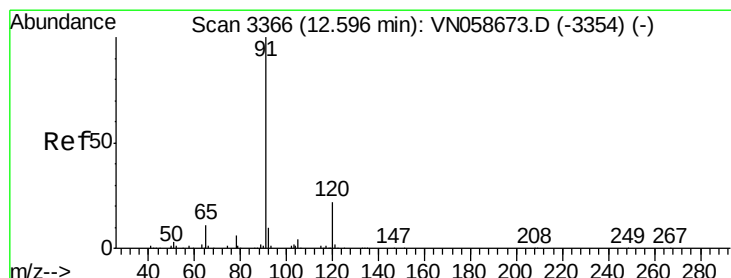
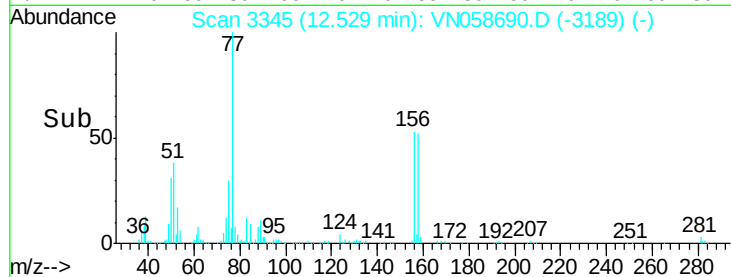
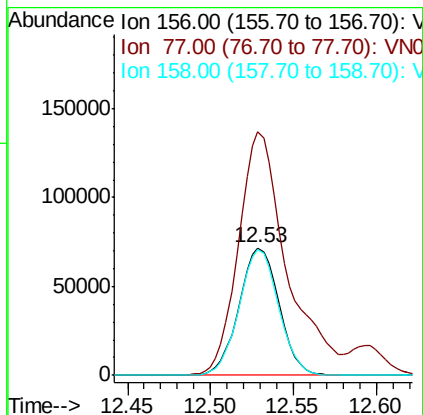
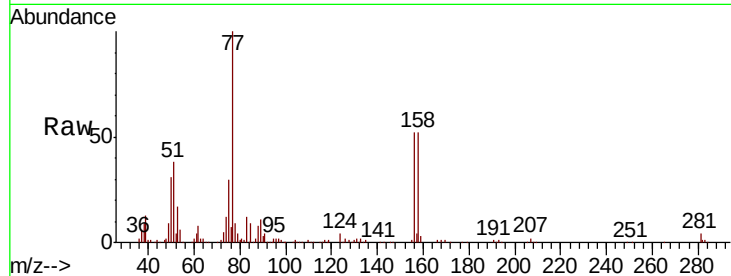
ClientSampleId :

VN1012WBS01

Tot Ion:	156	Resp:	120874
Ion Ratio	Lower	Upper	
156	100		
77	230.1	0.0	456.0
158	97.4	0.0	195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 21.300 ug/l

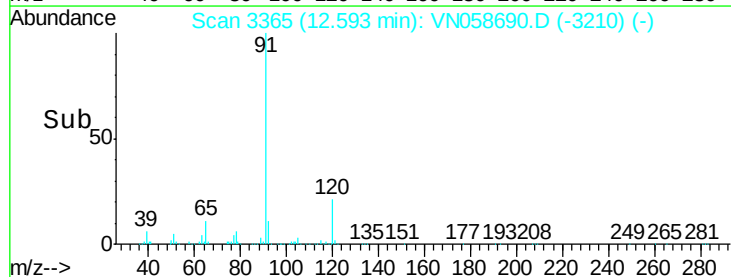
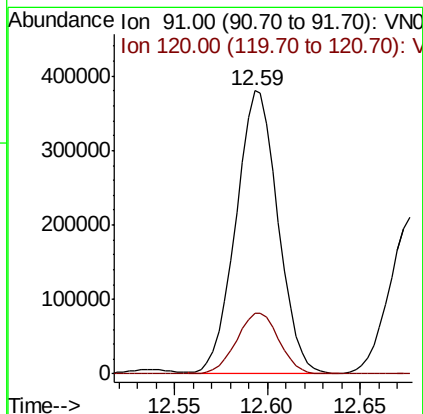
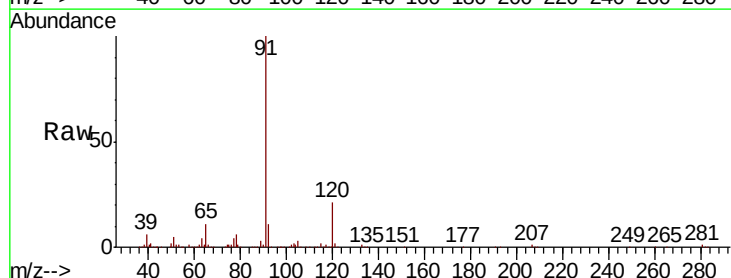
RT: 12.59 min Scan# 3365

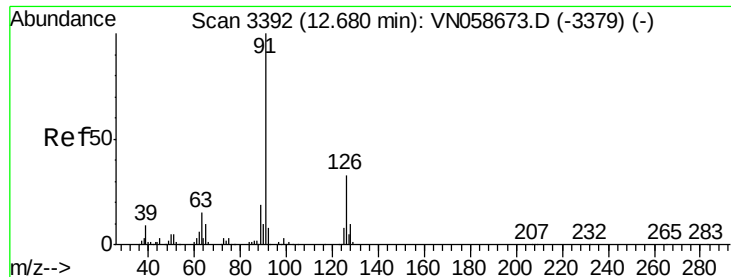
Delta R.T. -0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Tgt Ion:	91	Resp:	599397
Ion Ratio	Lower	Upper	
91	100		
120	21.7	0.0	43.6





#75

2-Chlorotoluene

Concen: 20.901 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tot Ion: 91 Resp: 353873

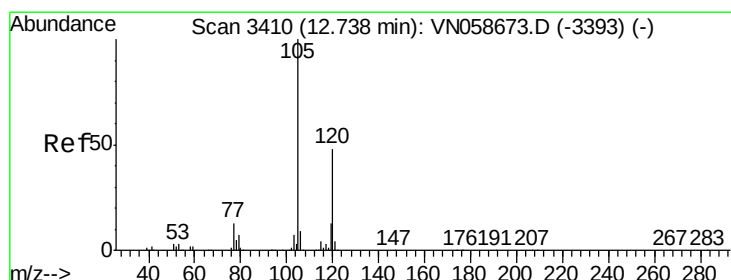
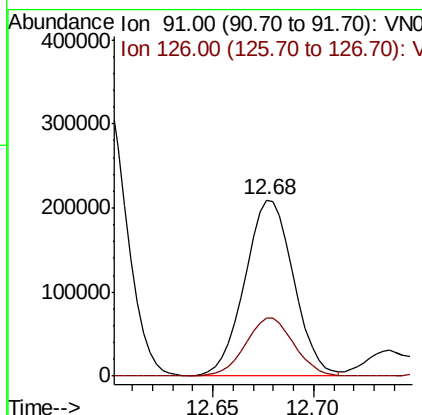
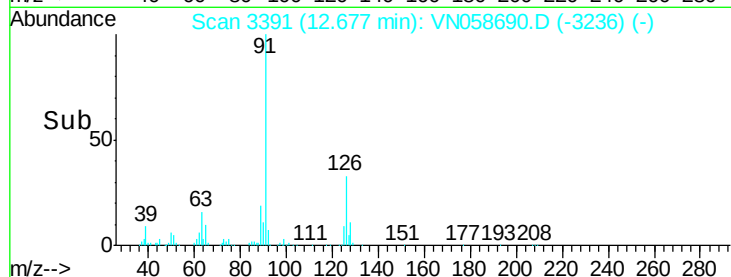
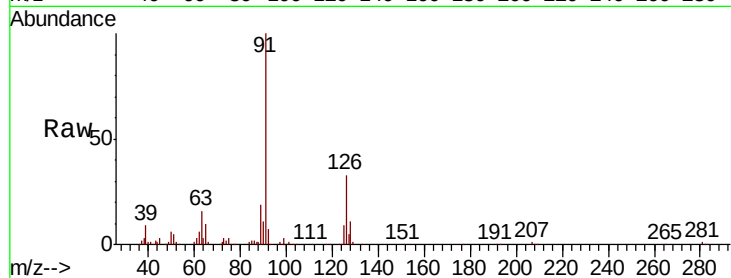
Ion Ratio Lower Upper

91 100

126 32.8 0.0 65.4

Manual Integrations
APPROVED

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#76

1,3,5-Trimethylbenzene

Concen: 21.094 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058690.D

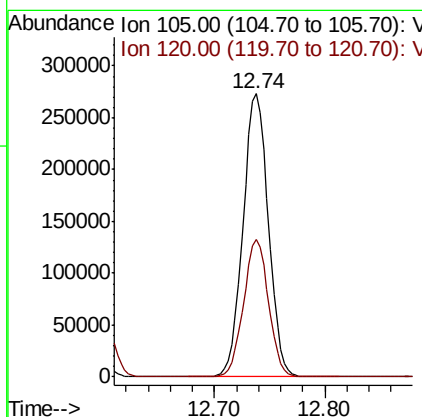
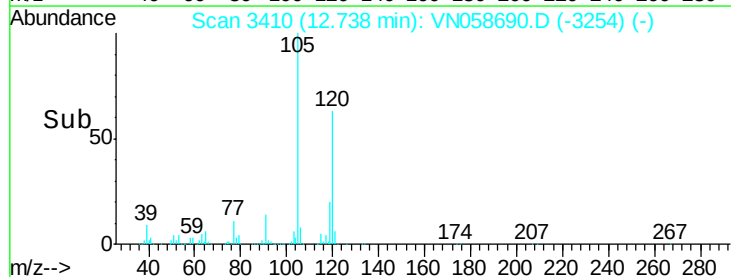
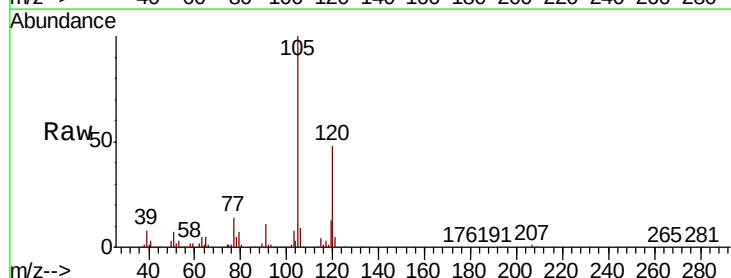
Acq: 11 Oct 2019 10:03

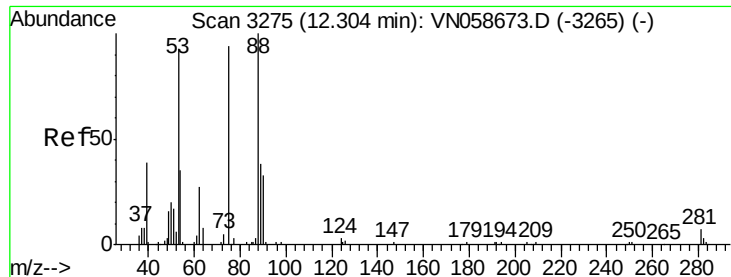
Tgt Ion: 105 Resp: 434347

Ion Ratio Lower Upper

105 100

120 47.6 0.0 94.0





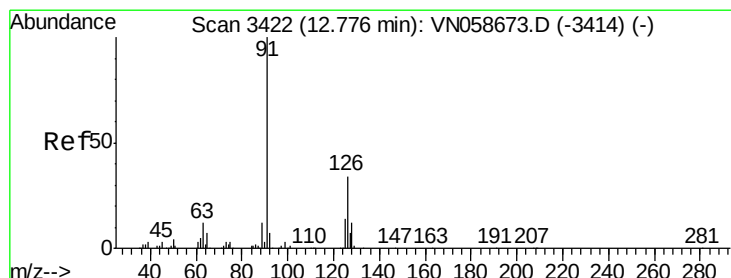
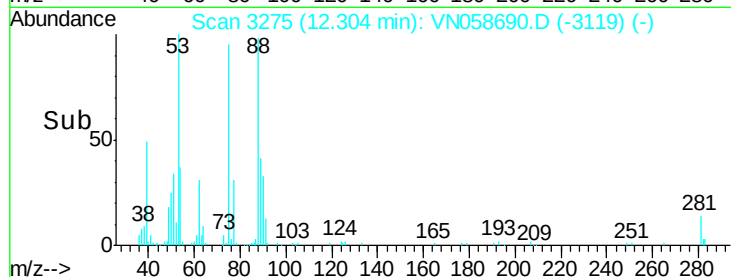
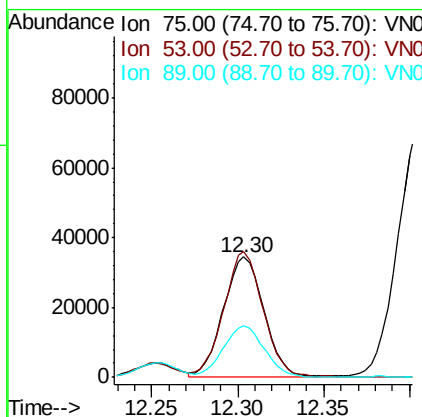
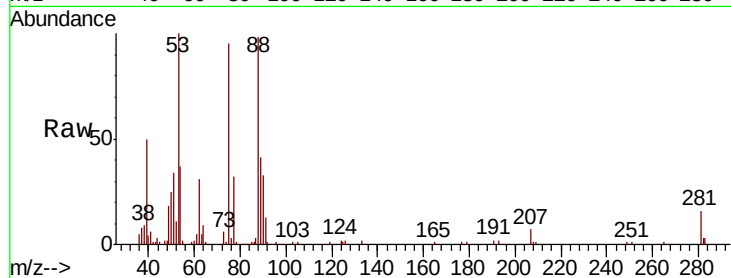
#77
t-1,4-Dichloro-2-butene
Concen: 20.335 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.6	50.0	150.0
89	42.9	20.7	62.1

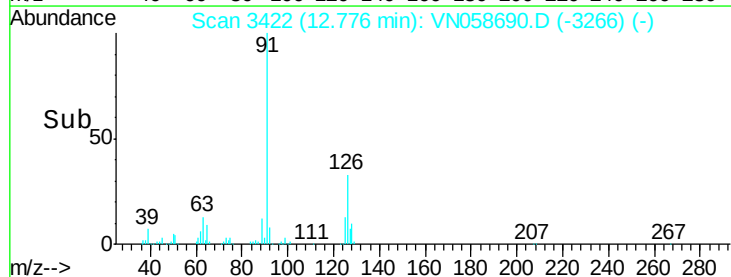
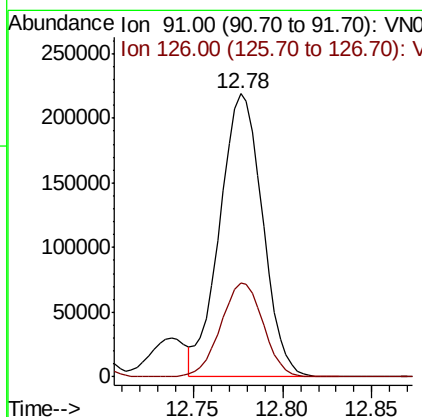
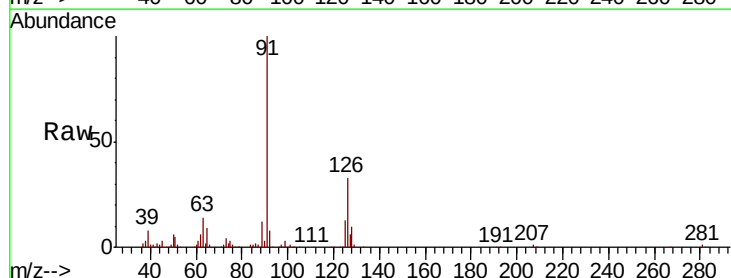
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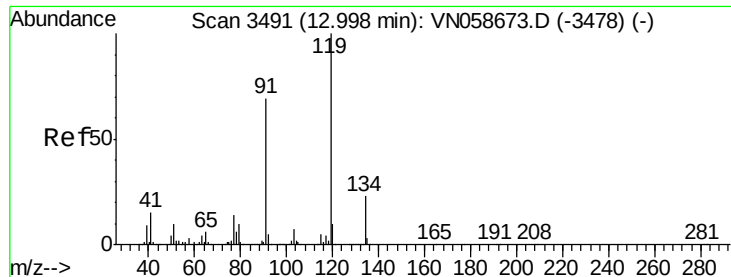
MMDadoda
10/14/2019 4:59:25 PM



#78
4-Chlorotoluene
Concen: 20.851 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	0.0	63.4





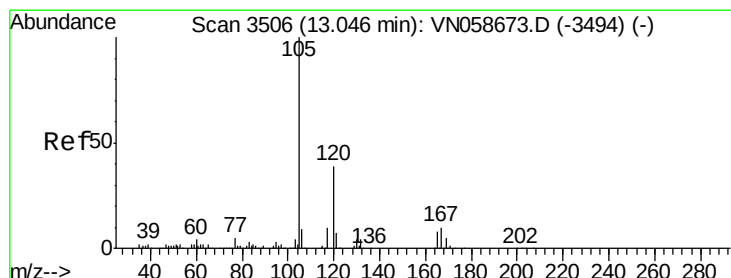
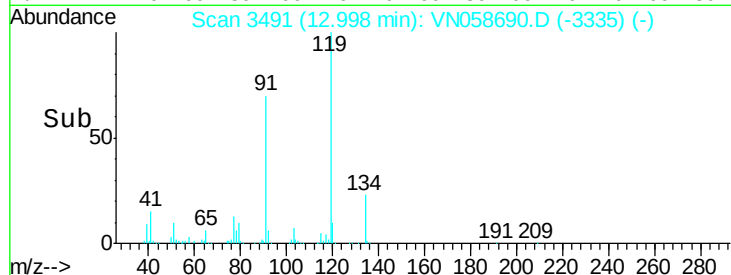
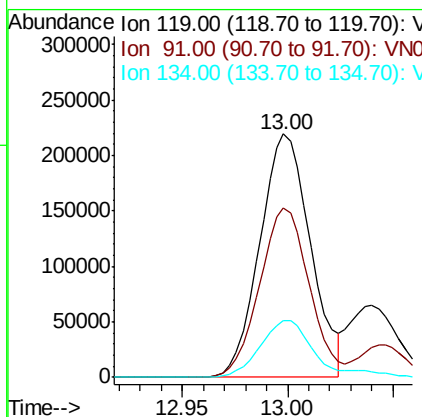
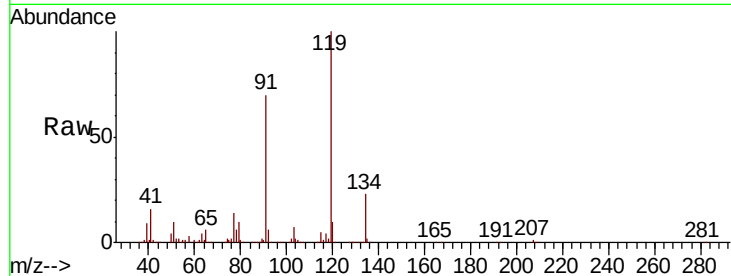
#79
 tert-butylbenzene
 Concen: 20.816 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	366200		
91	68.2	0.0	136.4	
134	23.8	0.0	47.2	

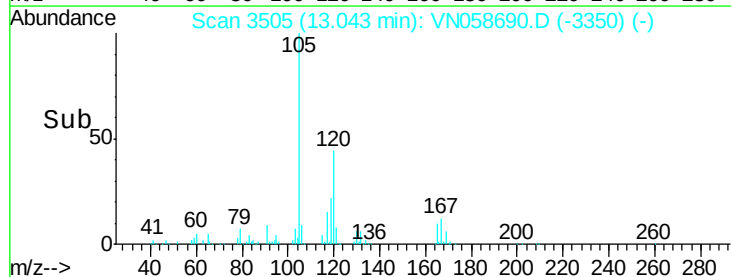
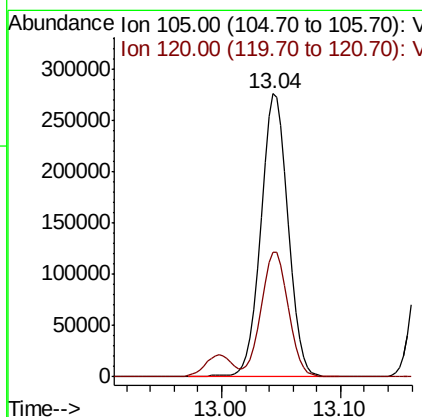
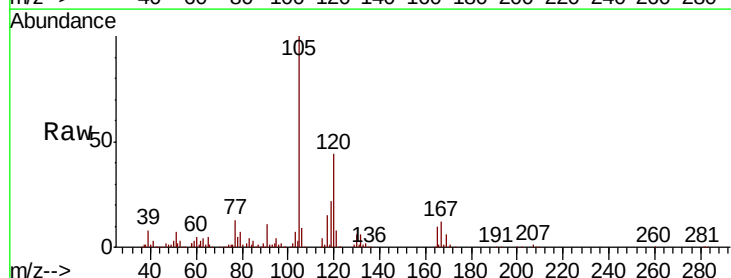
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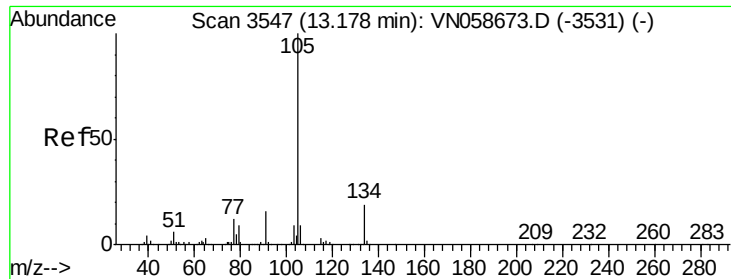
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 10/14/2019 4:59:25 PM



#80
 1,2,4-Trimethylbenzene
 Concen: 21.335 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	436539		
120	44.1	0.0	89.2	





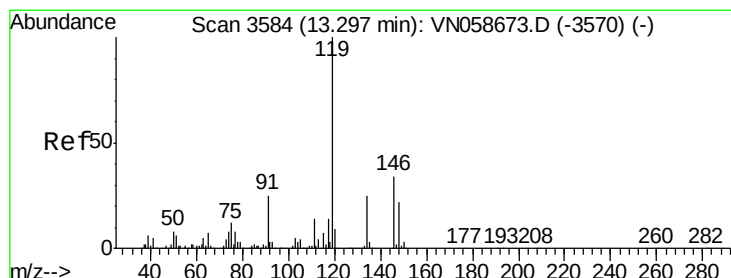
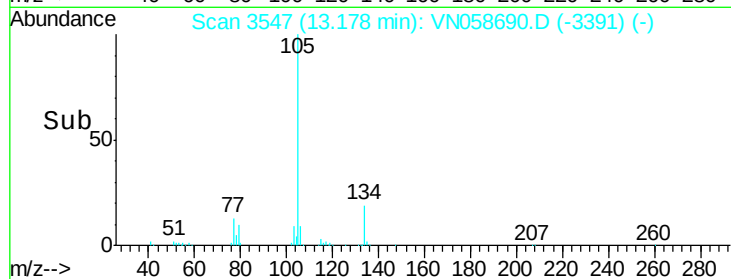
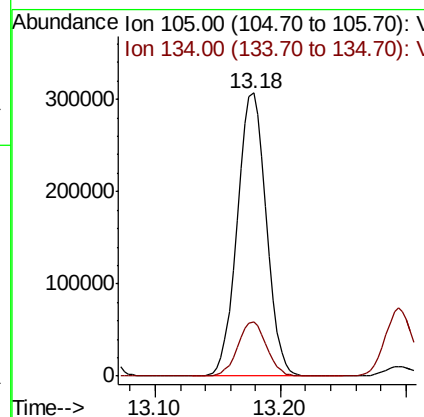
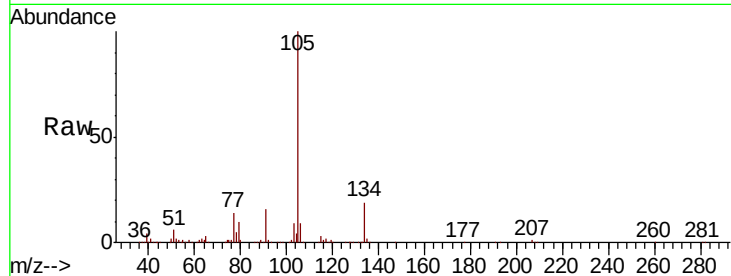
#81
 sec-Butylbenzene
 Concen: 20.779 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	491944		
134	19.1	0.0	38.0	

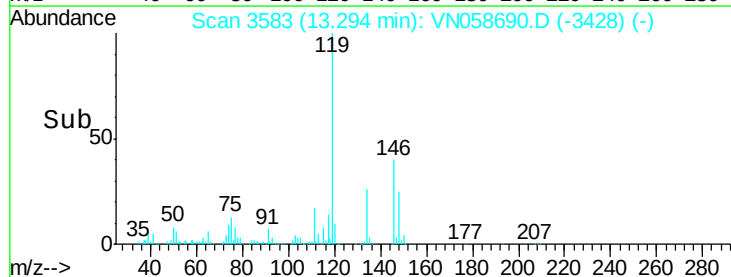
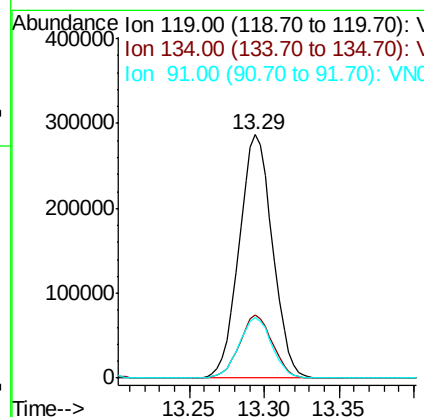
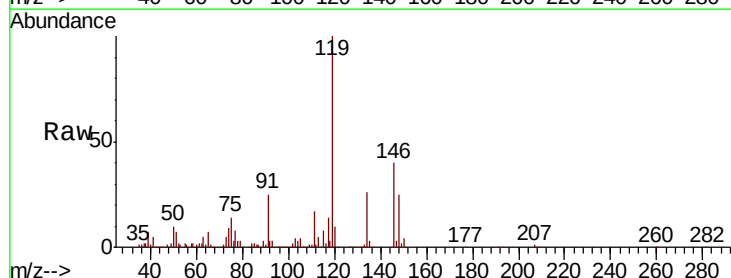
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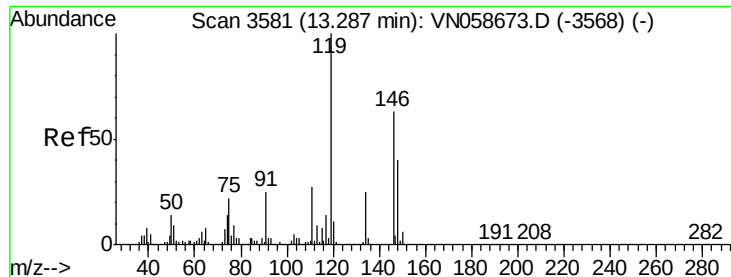
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 10/14/2019 4:59:25 PM



#82
 p-Isopropyltoluene
 Concen: 20.884 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	444000		
134	25.7	0.0	50.8	
91	24.7	0.0	49.4	





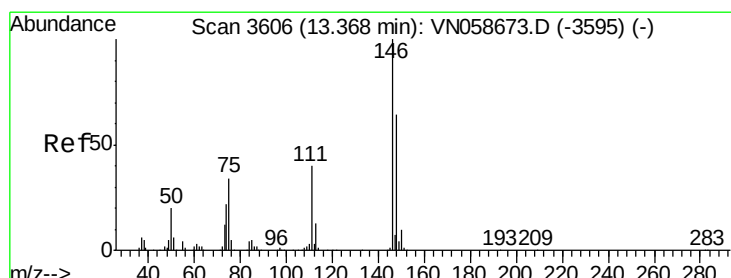
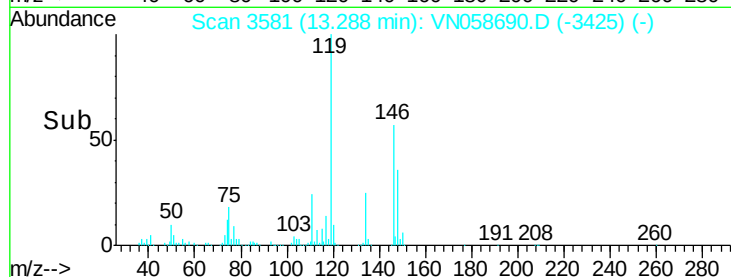
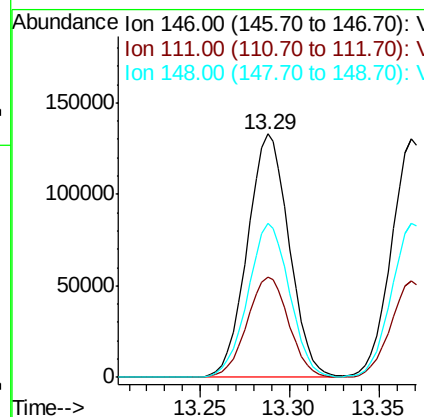
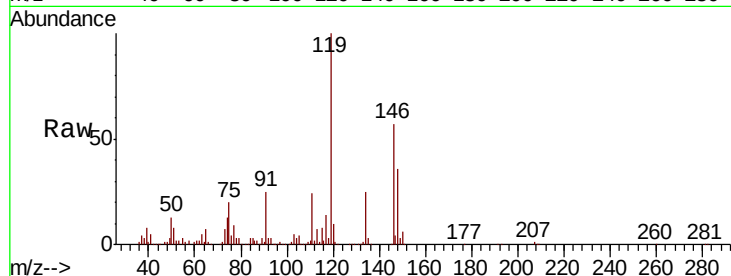
#83
 1,3-Dichlorobenzene
 Concen: 20.621 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.0	63.0
148	63.2	31.7	95.1

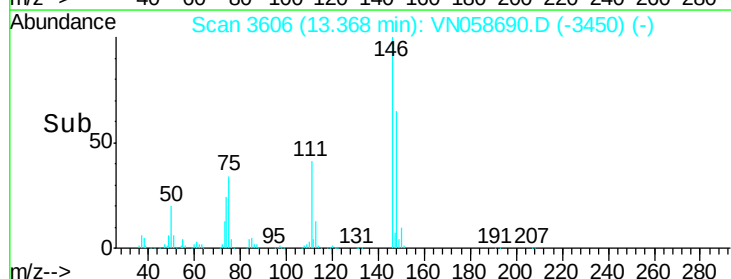
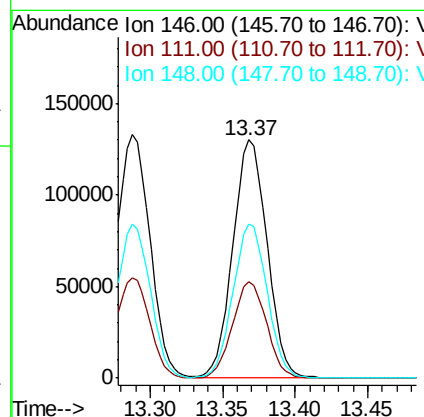
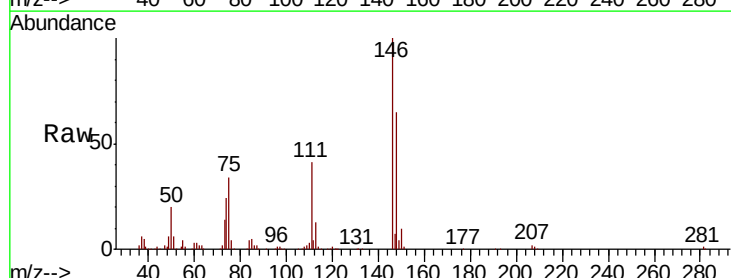
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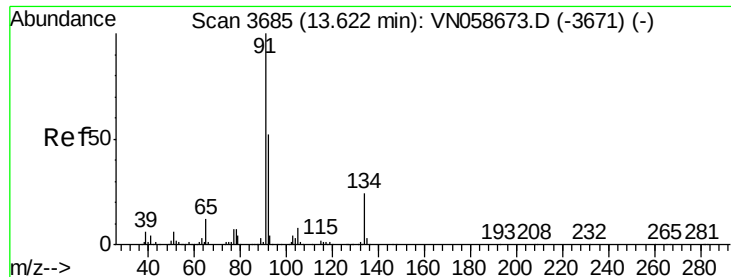
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#84
 1,4-Dichlorobenzene
 Concen: 20.177 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.4
148	64.5	31.6	94.8





#85

n-Butylbenzene

Concen: 20.362 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Instrument :

MSVOA_N

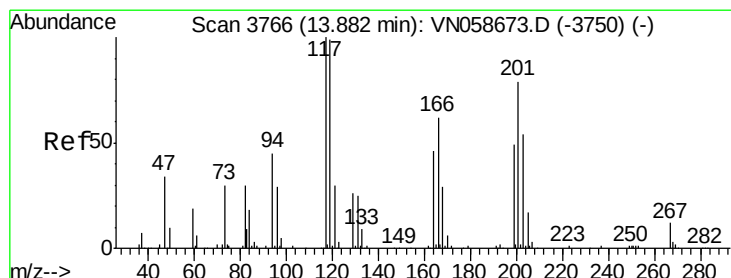
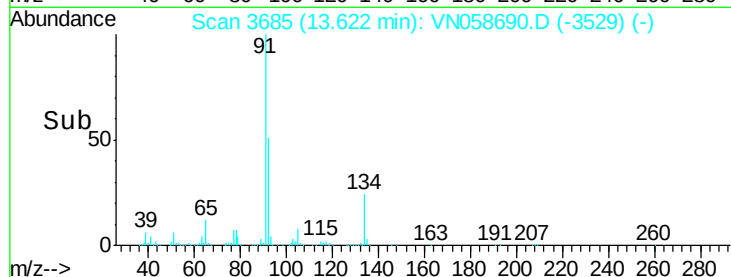
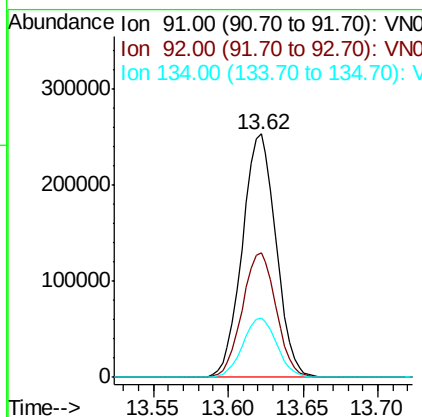
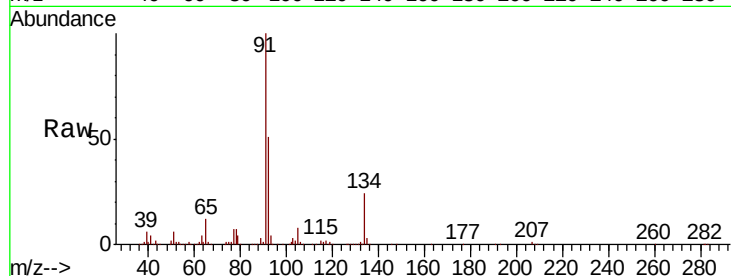
ClientSampleId :

VN1012WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	91	100	396331		
92	92	51.5	0.0	102.8	
134	134	24.5	0.0	48.6	

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#86

Hexachloroethane

Concen: 20.374 ug/l

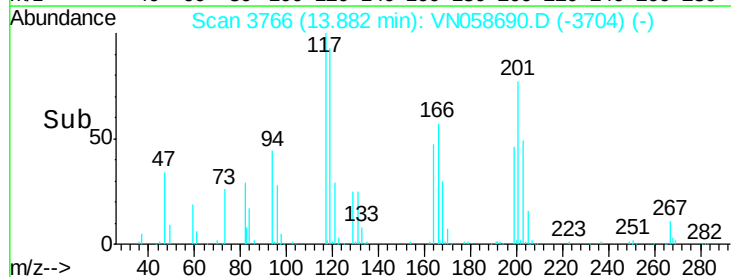
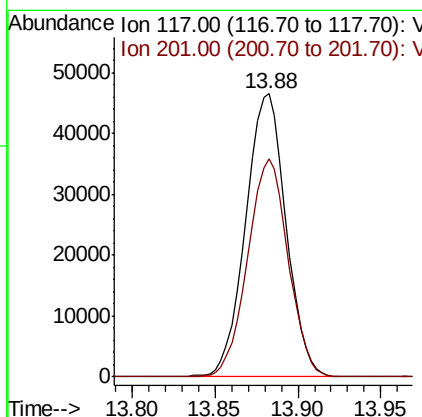
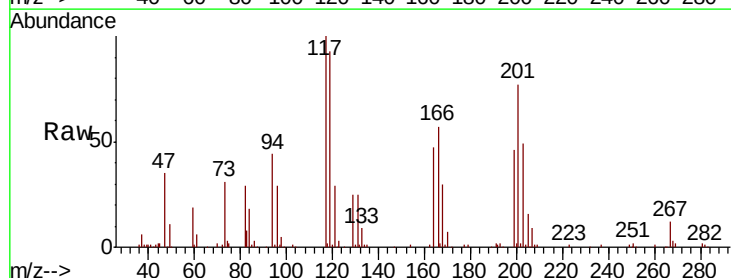
RT: 13.88 min Scan# 3766

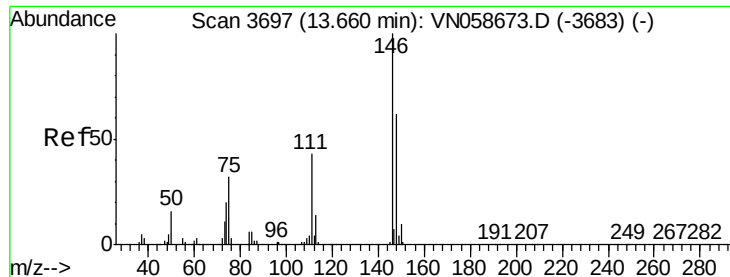
Delta R.T. 0.00 min

Lab File: VN058690.D

Acq: 11 Oct 2019 10:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	78827		
201	201	77.1	38.7	116.1	





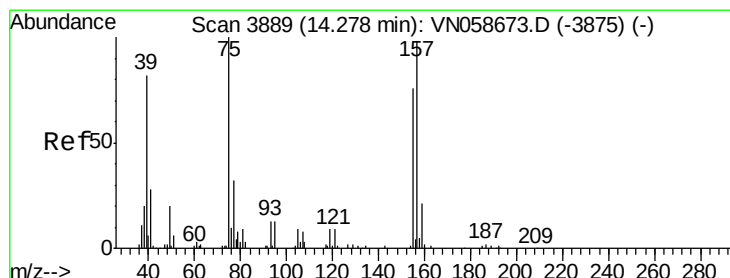
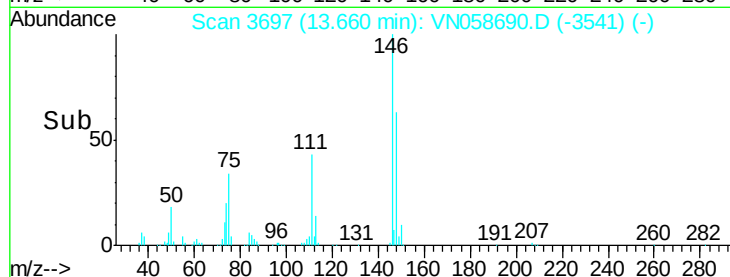
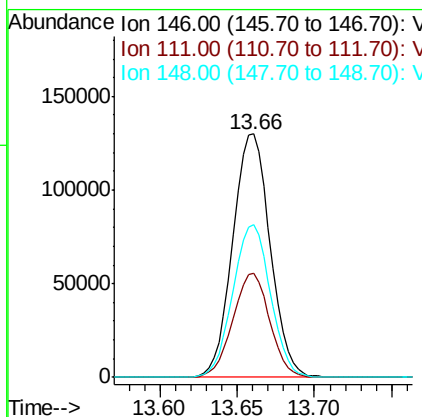
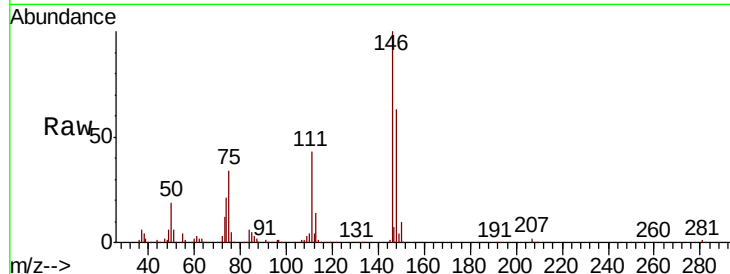
#87
 1,2-Dichlorobenzene
 Concen: 20.938 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	218411		
111	42.1	21.8	65.4	
148	63.1	32.1	96.5	

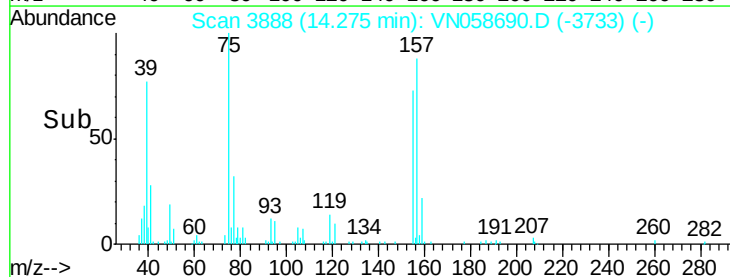
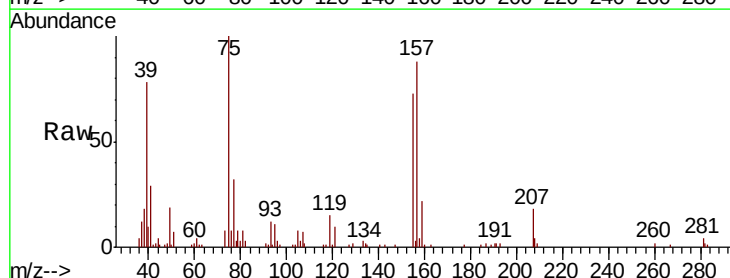
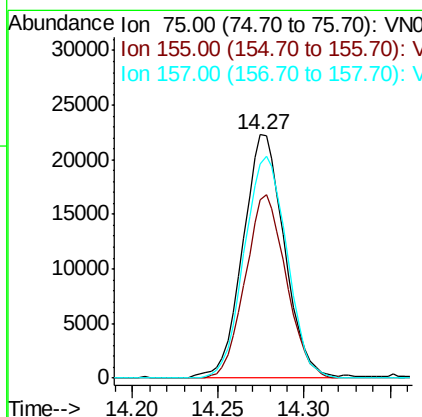
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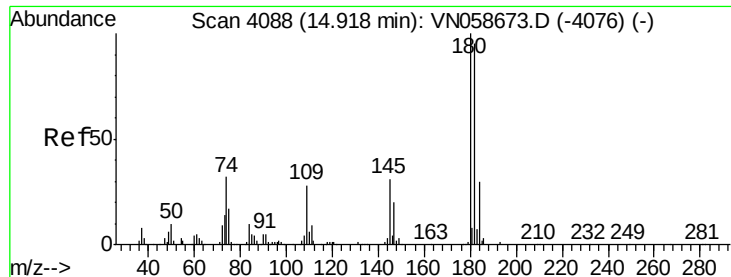
MMDadoda
 10/14/2019 4:59:25 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.807 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37482		
155	73.8	58.3	87.5	
157	93.3	75.0	112.6	





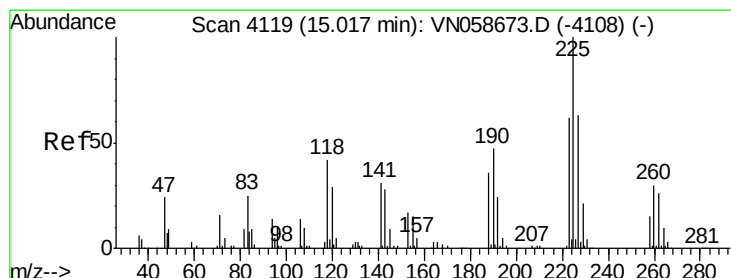
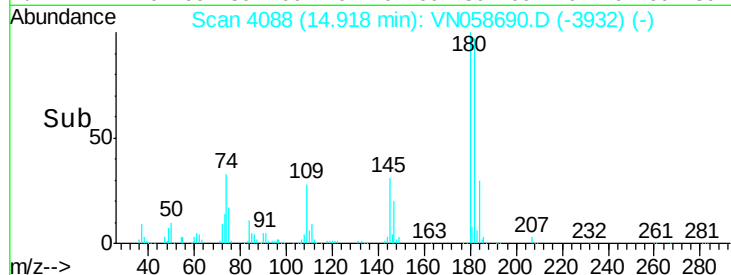
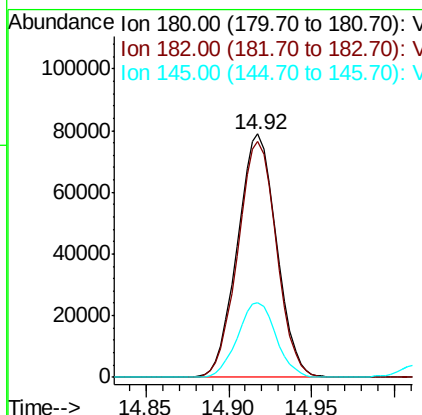
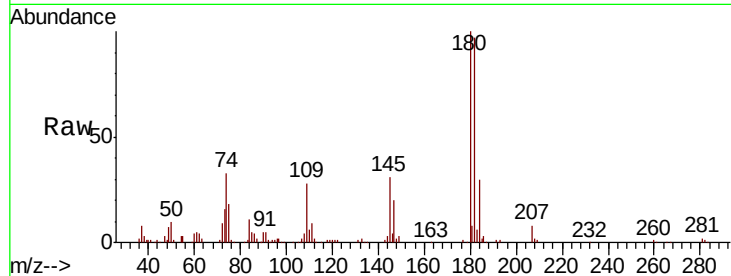
#89
 1,2,4-Trichlorobenzene
 Concen: 19.614 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	129193		
182	95.5	75.3	112.9	
145	30.3	24.8	37.2	

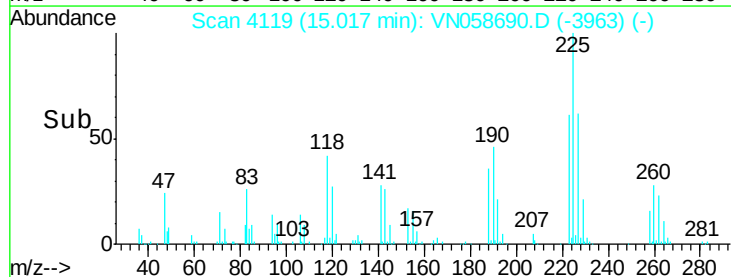
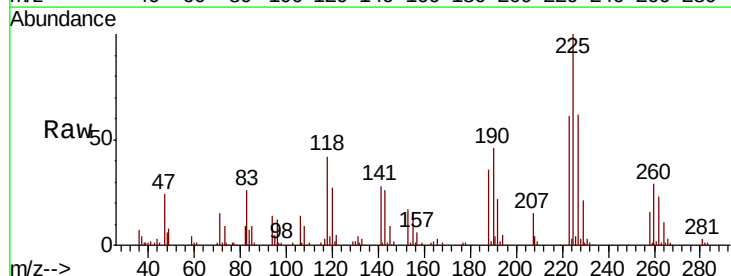
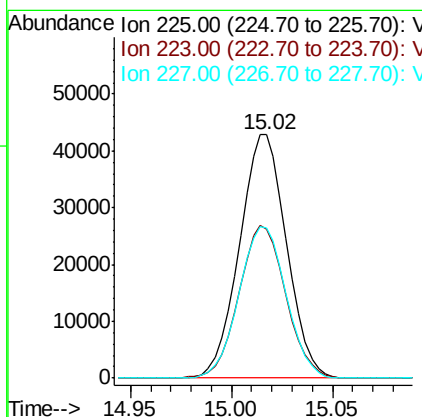
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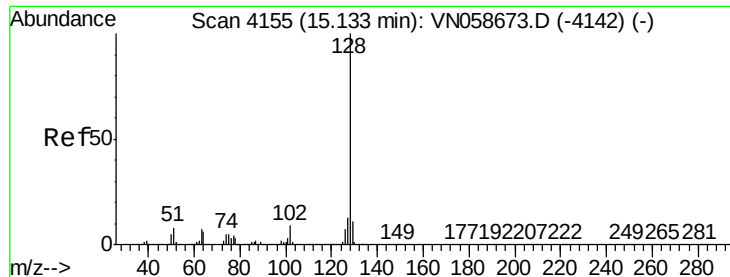
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#90
 Hexachlorobutadiene
 Concen: 20.522 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058690.D
 Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69800		
223	62.4	0.0	126.2	
227	62.5	0.0	127.0	





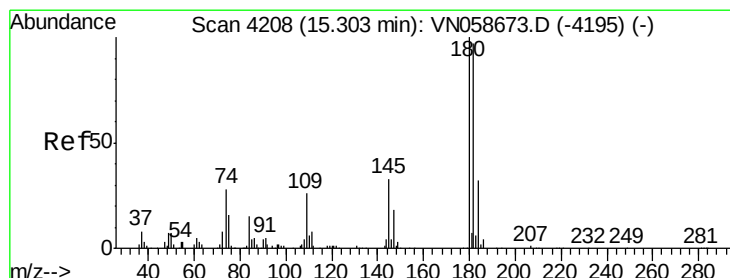
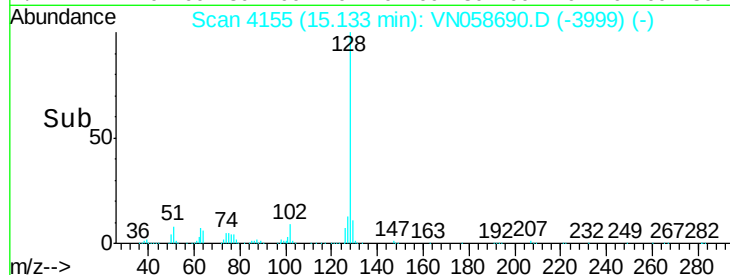
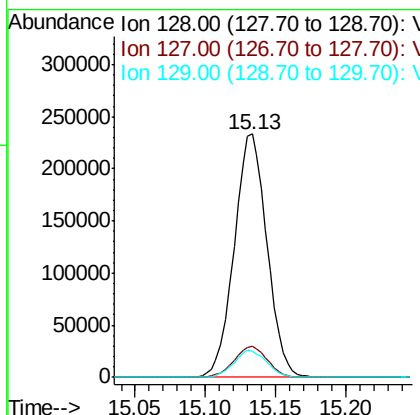
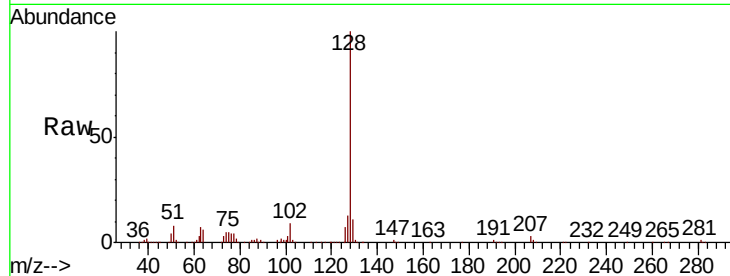
#91
Naphthalene
Concen: 19.556 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	380322		
127	12.8	10.2	15.2	
129	11.1	8.6	13.0	

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#92
1,2,3-Trichlorobenzene
Concen: 19.239 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058690.D
Acq: 11 Oct 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	123360		
182	97.4	0.0	193.4	
145	33.1	0.0	65.8	

