

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058819.D
 Acq On : 17 Oct 2019 12:13
 Operator : JC/SP
 Sample : VN1017WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBS01

Manual Integrations
 APPROVED

Quant Time: Oct 18 02:12:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

MMDadoda

Internal Standards R.T. QIon Response Conc Units Dev(Min) 10/18/2019 3:25:56 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	369438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	595659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	254252	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	272790	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.57	113	195741	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.08	98	742316	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	266026	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	96976	21.076	ug/l	99
3) Chloromethane	2.04	50	112573	20.575	ug/l	100
4) Vinyl Chloride	2.17	62	115185	21.138	ug/l	99
5) Bromomethane	2.54	94	71938	21.701	ug/l	99
6) Chloroethane	2.68	64	72905	21.690	ug/l	99
7) Trichlorofluoromethane	3.00	101	143485	22.001	ug/l	98
8) Diethyl Ether	3.39	74	50633	21.013	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80521	21.654	ug/l	97
10) Methyl Iodide	3.93	142	100893	19.883	ug/l	99
11) Tert butyl alcohol	4.76	59	94683	113.037	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	73711	20.776	ug/l	97
13) Acrolein	3.59	56	43555	64.654	ug/l	97
14) Allyl chloride	4.30	41	153116	21.385	ug/l	99
15) Acrylonitrile	4.96	53	251312	118.972	ug/l	99
16) Acetone	3.79	43	269425	125.829	ug/l	99
17) Carbon Disulfide	4.03	76	221303	19.513	ug/l	100
18) Methyl Acetate	4.30	43	129770	23.893	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	277926	21.937	ug/l	95
20) Methylene Chloride	4.53	84	93785	20.957	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	82566	20.805	ug/l	97
22) Diisopropyl ether	5.93	45	308870	22.187	ug/l	97
23) Vinyl Acetate	5.87	43	1305151	116.187	ug/l	99
24) 1,1-Dichloroethane	5.82	63	173663	21.903	ug/l	100
25) 2-Butanone	6.81	43	360639	116.527	ug/l	98
26) 2,2-Dichloropropane	6.80	77	151787	20.972	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	95717	20.683	ug/l	99
28) Bromochloromethane	7.18	49	58547	21.226	ug/l	95
29) Tetrahydrofuran	7.19	42	230818	115.408	ug/l	99
30) Chloroform	7.36	83	171689	21.553	ug/l	99
31) Cyclohexane	7.63	56	150844	19.884	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	146824	21.612	ug/l	99
36) 1,1-Dichloropropene	7.77	75	122968	20.418	ug/l	99
37) Ethyl Acetate	6.91	43	145231	23.844	ug/l	97
38) Carbon Tetrachloride	7.75	117	129423	22.050	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	10/18/2019 3:25:56 PM
39) Methylcyclohexane	9.07	83	139039	19.896	ug/l	99	
40) Benzene	8.02	78	369546	21.365	ug/l	100	
41) Methacrylonitrile	7.16	41	66978m	23.492	ug/l		
42) 1,2-Dichloroethane	8.11	62	145327	21.870	ug/l	99	
43) Isopropyl Acetate	8.15	43	227526	21.928	ug/l	99	
44) Trichloroethene	8.82	130	91700	21.349	ug/l	97	
45) 1,2-Dichloropropane	9.11	63	103832	22.424	ug/l	98	
46) Dibromomethane	9.20	93	65612	22.350	ug/l	99	
47) Bromodichloromethane	9.39	83	132587	22.179	ug/l	99	
48) Methyl methacrylate	9.19	41	105355	22.400	ug/l	98	
49) 1,4-Dioxane	9.19	88	32995	453.461	ug/l	95	
51) 4-Methyl-2-Pentanone	9.98	43	726527	124.678	ug/l	98	
52) Toluene	10.15	92	223761	21.151	ug/l	99	
53) t-1,3-Dichloropropene	10.38	75	146283	21.335	ug/l	99	
54) cis-1,3-Dichloropropene	9.83	75	157707	21.664	ug/l	99	
55) 1,1,2-Trichloroethane	10.56	97	90971	21.010	ug/l	97	
56) Ethyl methacrylate	10.43	69	136918	21.645	ug/l	99	
57) 1,3-Dichloropropane	10.71	76	161578	21.899	ug/l	100	
58) 2-Chloroethyl Vinyl ether	9.69	63	321399	105.430	ug/l	100	
59) 2-Hexanone	10.75	43	541892	120.332	ug/l	98	
60) Dibromochloromethane	10.90	129	98106	21.964	ug/l	99	
61) 1,2-Dibromoethane	11.00	107	92641	21.356	ug/l	99	
64) Tetrachloroethene	10.63	164	79389	20.728	ug/l	98	
65) Chlorobenzene	11.43	112	236157	21.248	ug/l	99	
66) 1,1,1,2-Tetrachloroethane	11.51	131	89673	21.819	ug/l	100	
67) Ethyl Benzene	11.51	91	426899	21.548	ug/l	100	
68) m/p-Xylenes	11.62	106	310750	41.796	ug/l	98	
69) o-Xylene	11.95	106	149041	20.719	ug/l	99	
70) Styrene	11.97	104	239182	20.287	ug/l	98	
71) Bromoform	12.13	173	67644	22.455	ug/l #	100	
73) Isopropylbenzene	12.25	105	410760	22.308	ug/l	99	
74) N-amyl acetate	12.07	43	185958	22.485	ug/l	98	
75) 1,1,2,2-Tetrachloroethane	12.51	83	141360	23.304	ug/l	98	
76) 1,2,3-Trichloropropane	12.56	75	129463m	23.211	ug/l		
77) Bromobenzene	12.53	156	98046	21.891	ug/l	98	
78) n-propylbenzene	12.59	91	479978	22.370	ug/l	99	
79) 2-Chlorotoluene	12.68	91	287261	21.570	ug/l	99	
80) 1,3,5-Trimethylbenzene	12.74	105	345876	22.002	ug/l	98	
81) trans-1,4-Dichloro-2-buten	12.30	75	46208	22.191	ug/l	94	
82) 4-Chlorotoluene	12.78	91	291397	21.323	ug/l	99	
83) tert-Butylbenzene	13.00	119	293513	21.795	ug/l	98	
84) 1,2,4-Trimethylbenzene	13.05	105	345995	22.170	ug/l	99	
85) sec-Butylbenzene	13.18	105	395596	22.293	ug/l	100	
86) p-Isopropyltoluene	13.29	119	347748	21.562	ug/l	98	
87) 1,3-Dichlorobenzene	13.29	146	172061	20.831	ug/l	99	
88) 1,4-Dichlorobenzene	13.37	146	169340	20.164	ug/l	98	
89) n-Butylbenzene	13.62	91	302695	20.298	ug/l	99	
90) Hexachloroethane	13.88	117	66534	23.056	ug/l	95	
91) 1,2-Dichlorobenzene	13.66	146	169339	21.035	ug/l	98	
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30399	21.451	ug/l	97	

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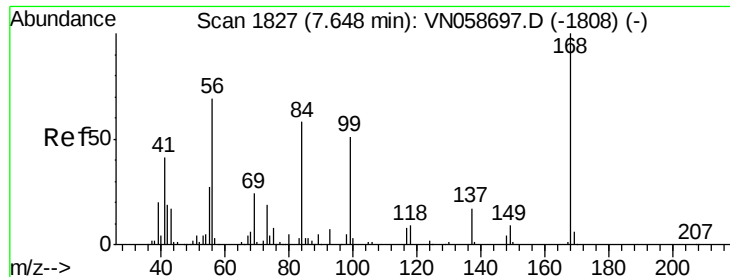
Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	10/18/2019 3:25:56 PM
93) 1,2,4-Trichlorobenzene	14.92	180	91925	18.719	ug/l	99	
94) Hexachlorobutadiene	15.02	225	53397	20.648	ug/l	97	
95) Naphthalene	15.13	128	267550	18.957	ug/l	99	
96) 1,2,3-Trichlorobenzene	15.30	180	90793	18.937	ug/l	99	

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBS01

Tot Ion:168 Resp: 369438

Ion Ratio Lower Upper

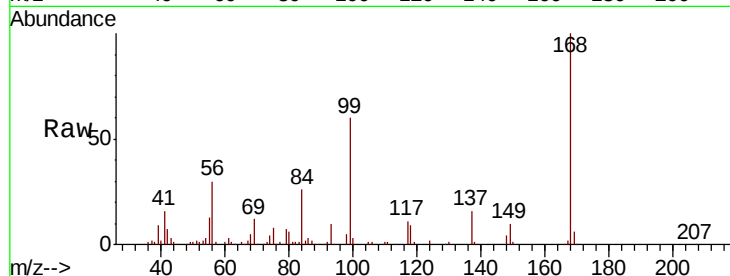
168 100

99 59.8 47.5 71.3

Manual Integrations
APPROVED

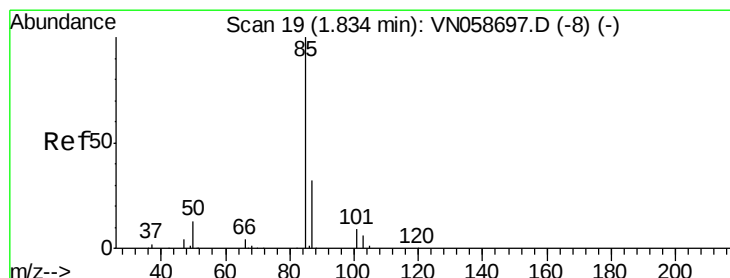
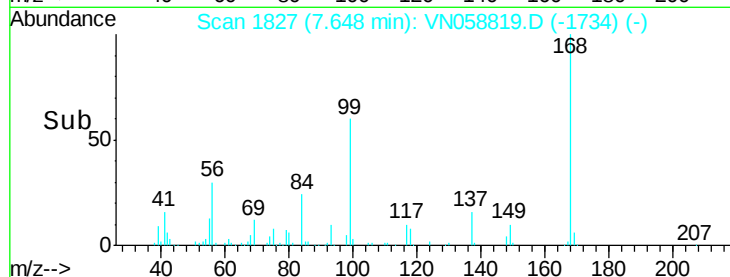
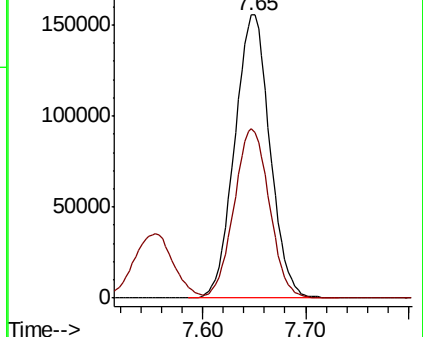
MMDadoda

10/18/2019 3:25:56 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.076 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058819.D

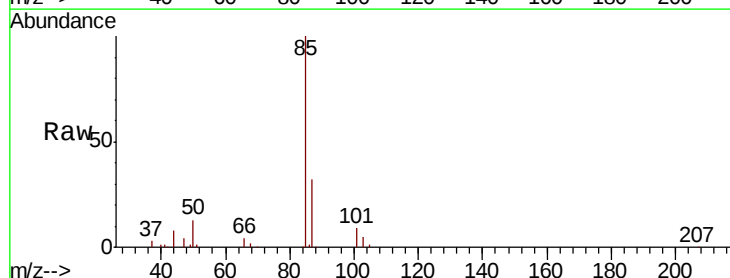
Acq: 17 Oct 2019 12:13

Tgt Ion: 85 Resp: 96976

Ion Ratio Lower Upper

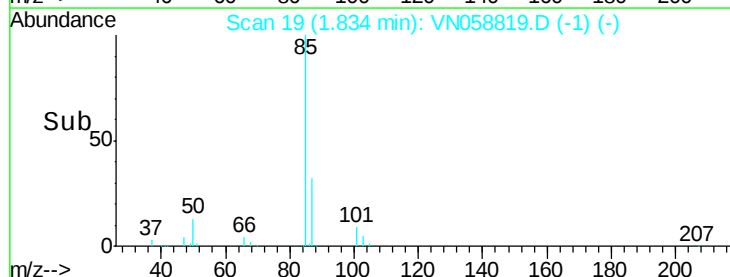
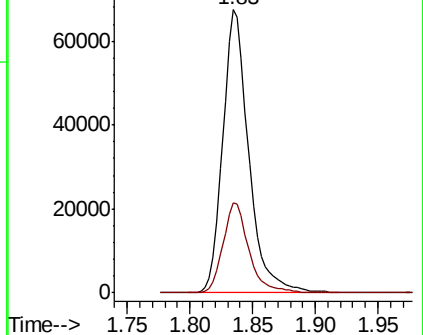
85 100

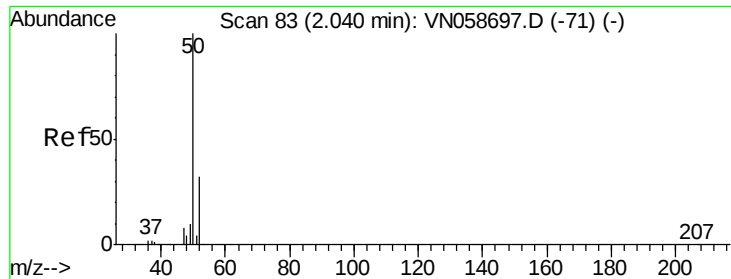
87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.575 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tot Ion: 50 Resp: 112573

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6

Instrument :

MSVOA_N

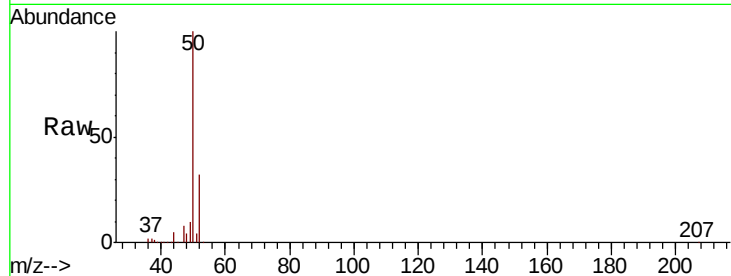
ClientSampled :

VN1017WBS01

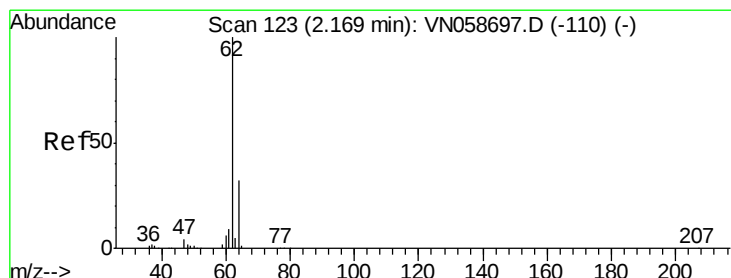
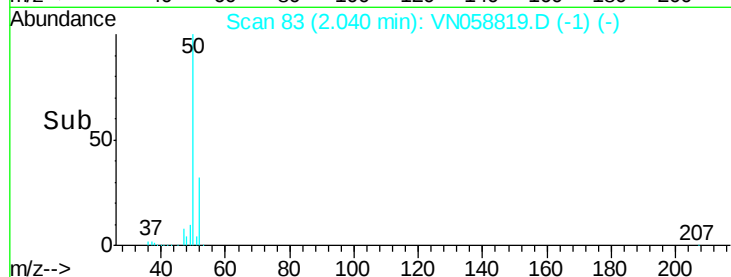
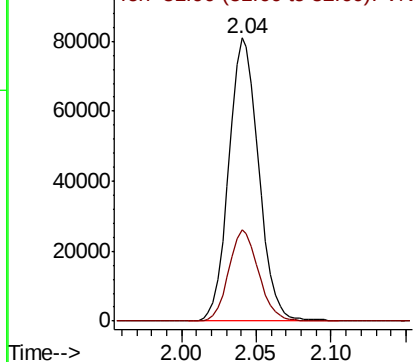
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 21.138 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058819.D

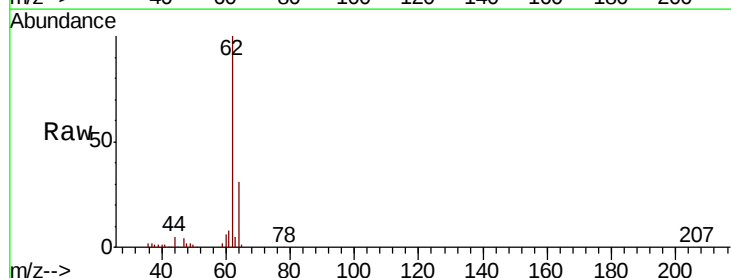
Acq: 17 Oct 2019 12:13

Tgt Ion: 62 Resp: 115185

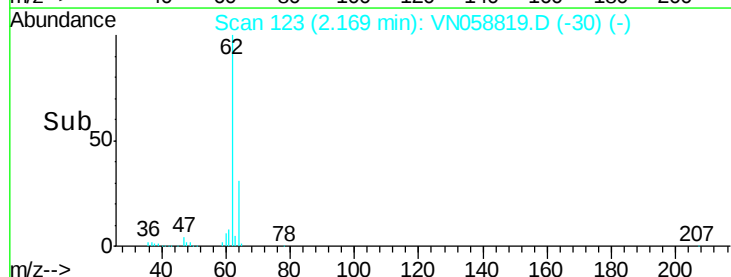
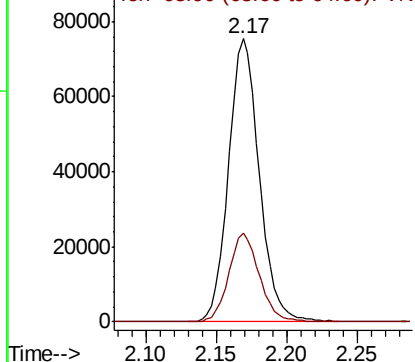
Ion Ratio Lower Upper

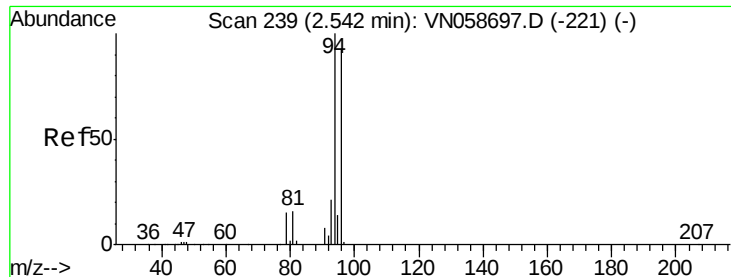
62 100

64 31.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.701 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN1017WBS01

Tot Ion: 94 Resp: 71938

Ion Ratio Lower Upper

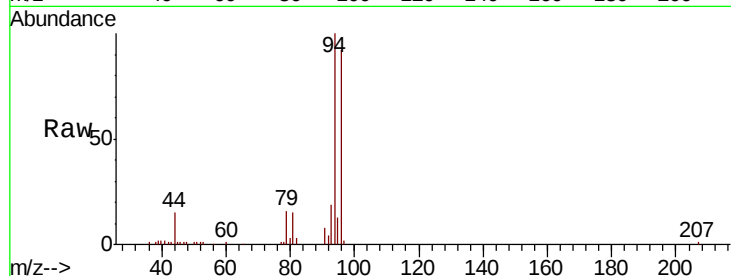
94 100

96 91.7 74.5 111.7

Manual Integrations
APPROVED

MMDadoda

10/18/2019 3:25:56 PM



Abundance Ion 93.90 (93.60 to 94.60): VN058819.D (-146) (-)

Ion 95.90 (95.60 to 96.60): VN058819.D (-146) (-)

2.54

40000

30000

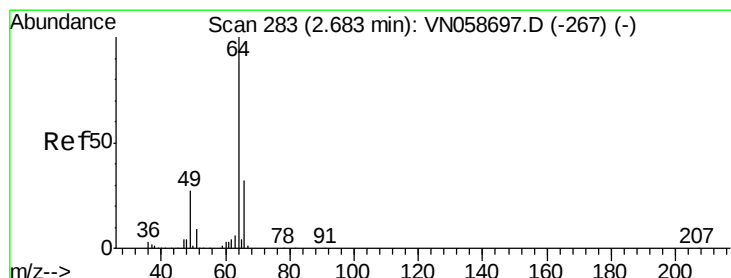
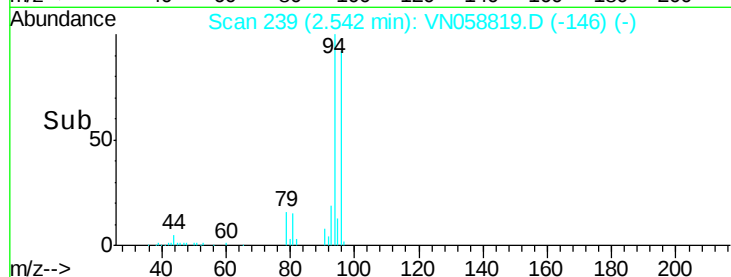
20000

10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 21.690 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058819.D

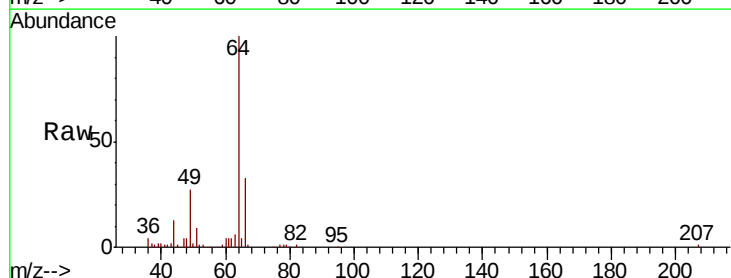
Acq: 17 Oct 2019 12:13

Tgt Ion: 64 Resp: 72905

Ion Ratio Lower Upper

64 100

66 32.6 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN058819.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN058819.D (-190) (-)

2.68

40000

30000

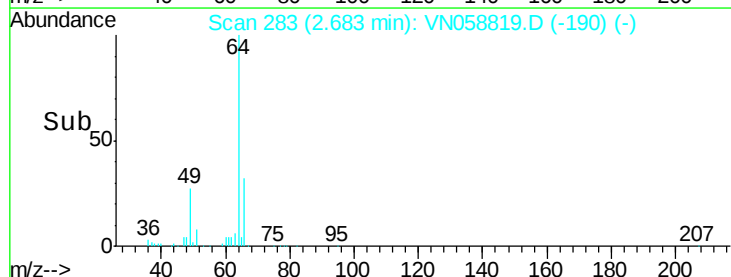
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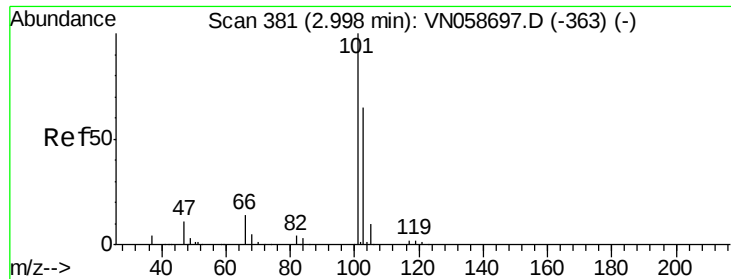
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0

Time-->

2.60 2.70 2.80





#7

Trichlorofluoromethane
Concen: 22.001 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

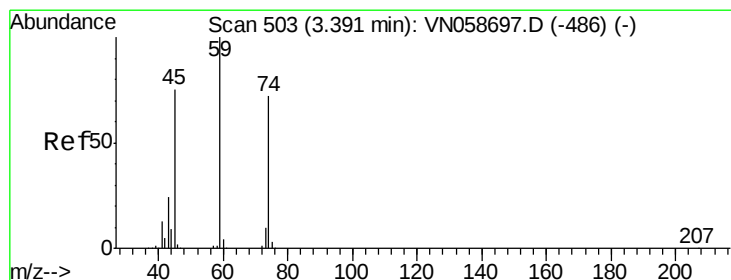
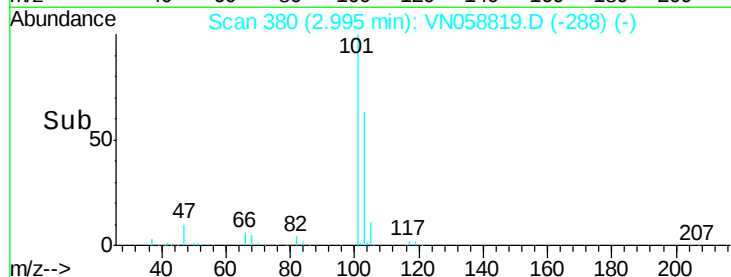
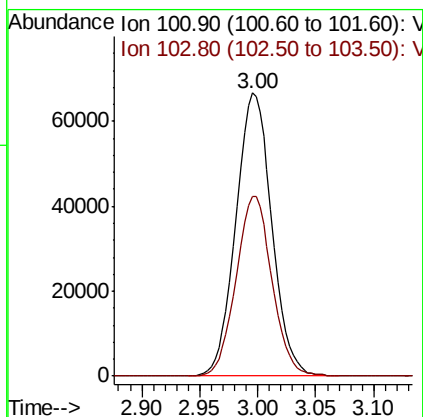
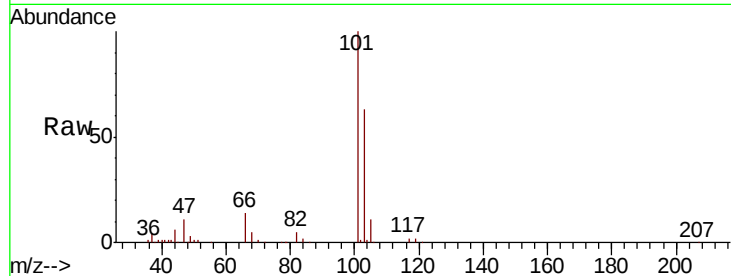
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100				
103	63.4	51.8	77.6		

Manual Integrations
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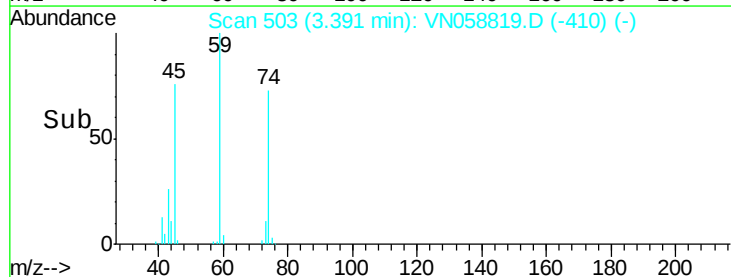
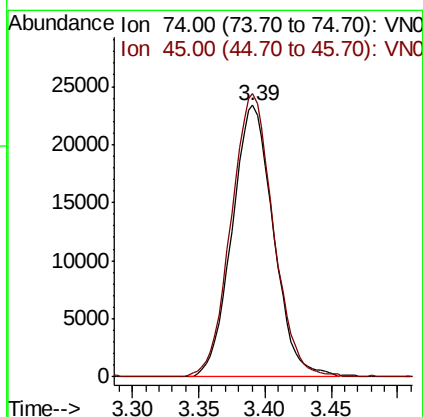
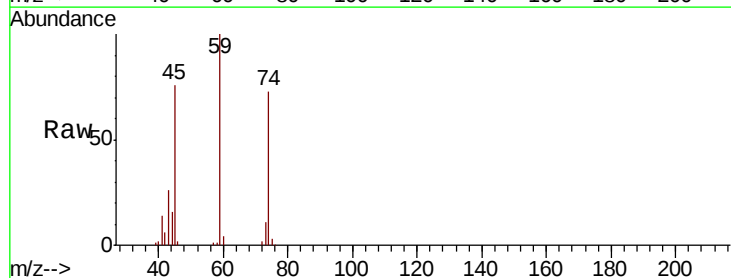
10/18/2019 3:25:56 PM

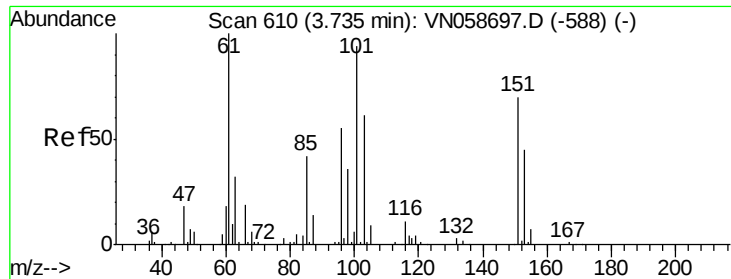


#8

Diethyl Ether
Concen: 21.013 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100				
45	106.5	51.3	154.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.654 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

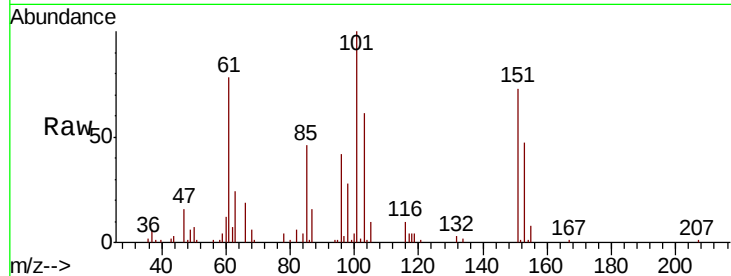
VN1017WBS01

Tot Ion:	101	Resp:	80521
Ion Ratio	Lower	Upper	
101	100		
85	47.2	37.0	55.6
151	73.3	61.8	92.6

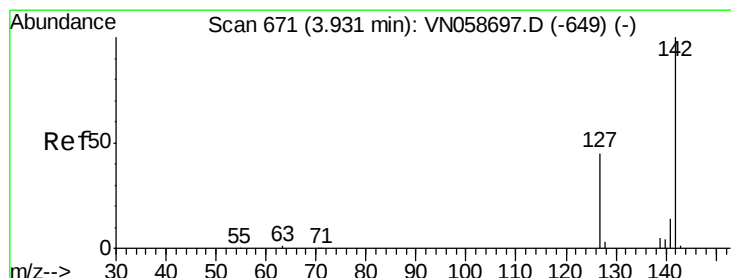
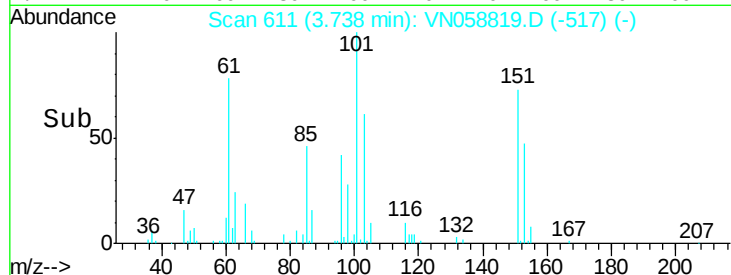
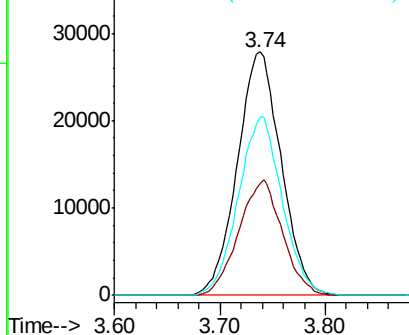
Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.883 ug/l

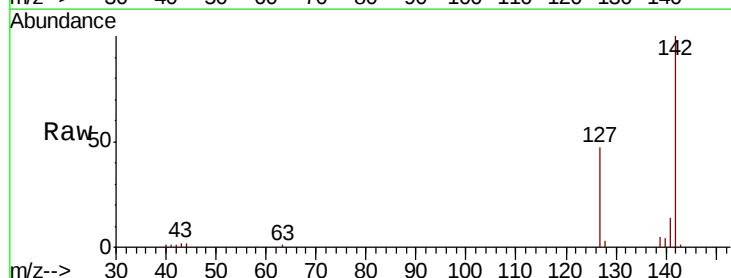
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

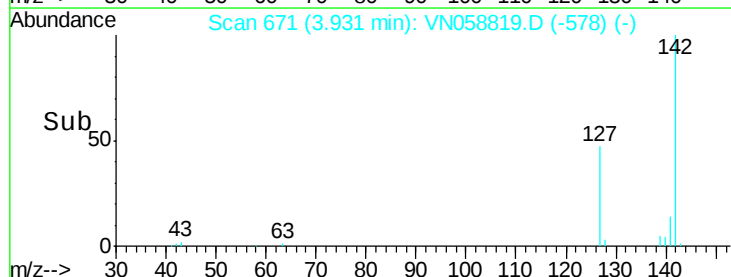
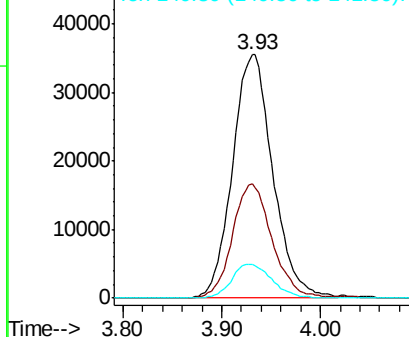
Lab File: VN058819.D

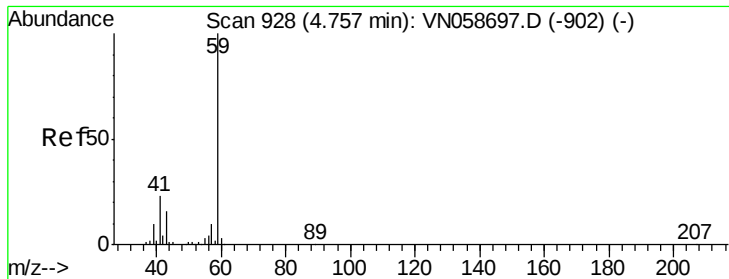
Acq: 17 Oct 2019 12:13

Tgt Ion:	142	Resp:	100893
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.4	54.6
141	13.8	11.1	16.7



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





#11

Tert butyl alcohol
 Concen: 113.037 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

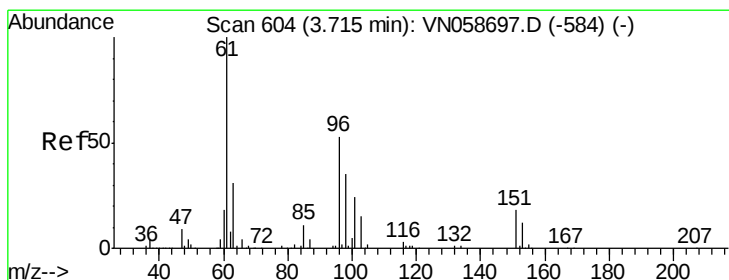
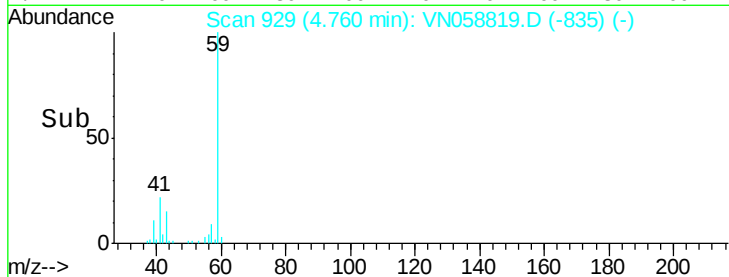
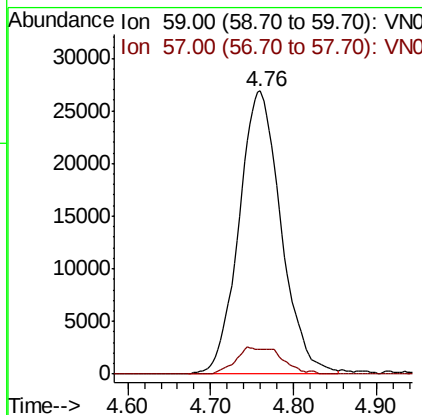
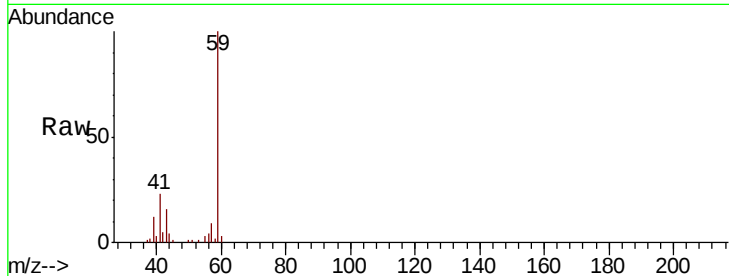
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	5.6		8.4	12.6#

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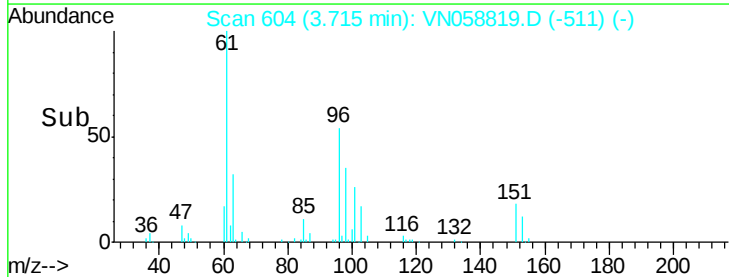
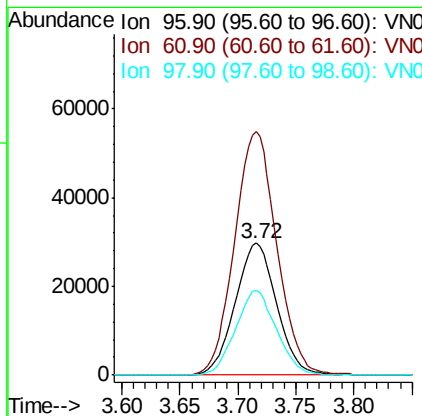
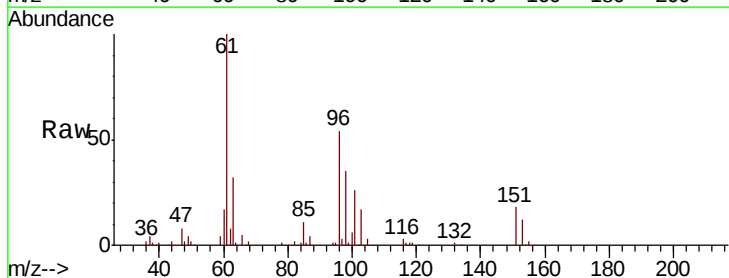
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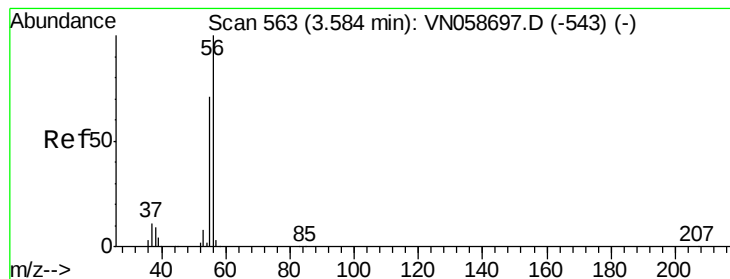


#12

1,1-Dichloroethene
 Concen: 20.776 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	184.4		151.3	226.9
98	98	64.6		52.6	78.8





#13

Acrolein

Concen: 64.654 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBS01

Tot Ion: 56 Resp: 43555

Ion Ratio Lower Upper

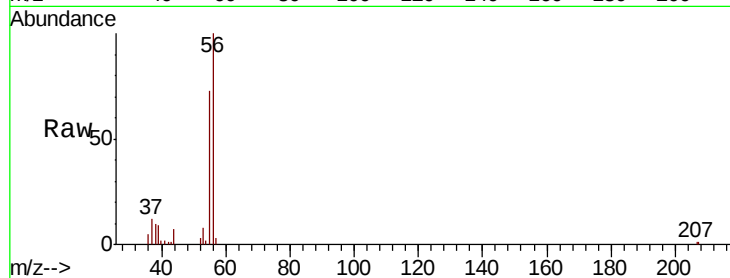
56 100

55 73.8 56.7 85.1

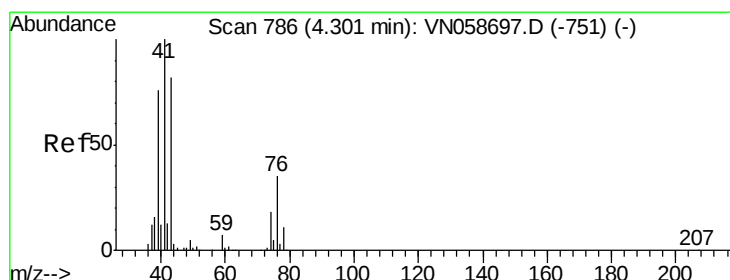
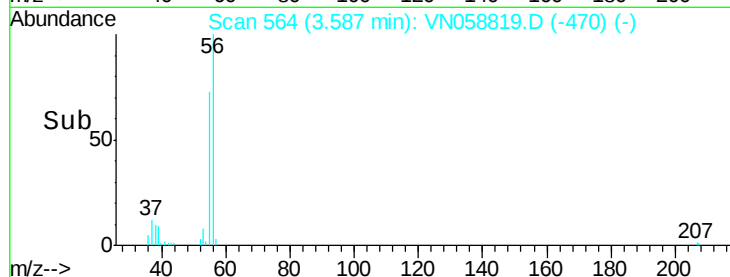
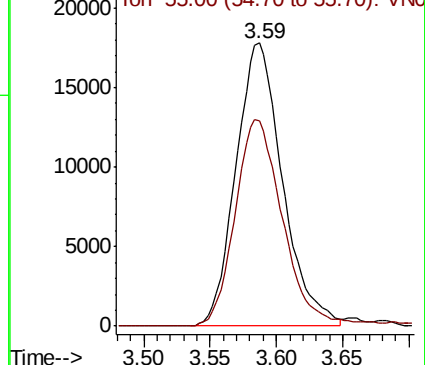
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Abundance Ion 56.00 (55.70 to 56.70): VN058819.D (-470) (-)



#14

Allyl chloride

Concen: 21.385 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

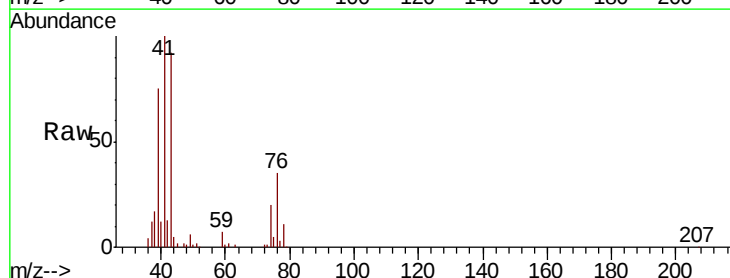
Tgt Ion: 41 Resp: 153116

Ion Ratio Lower Upper

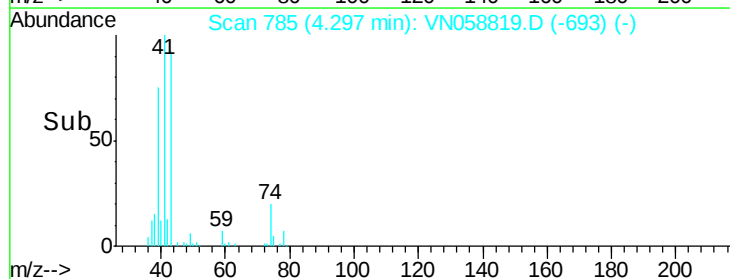
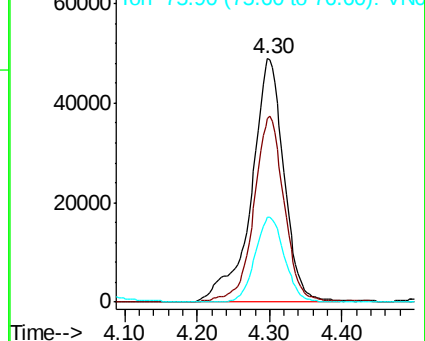
41 100

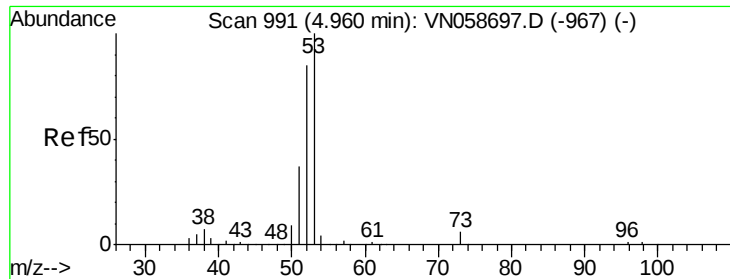
39 70.9 57.2 85.8

76 31.5 25.0 37.6



Abundance Ion 41.00 (40.70 to 41.70): VN058819.D (-693) (-)





#15

Acrylonitrile

Concen: 118.972 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

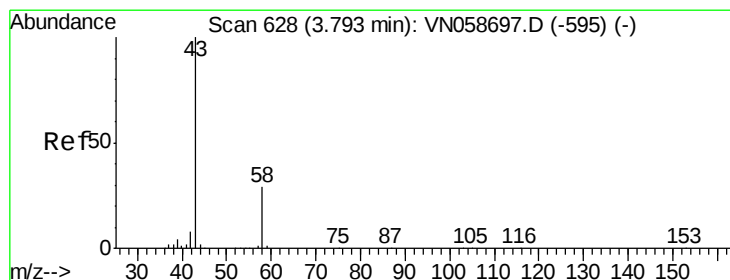
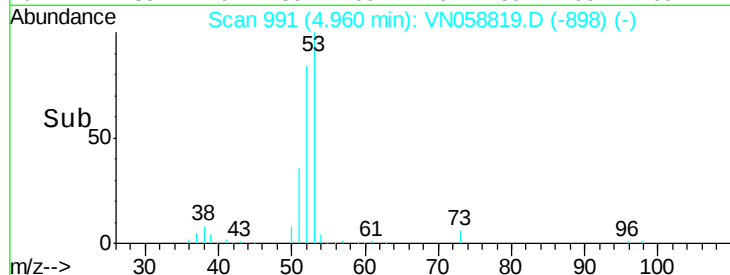
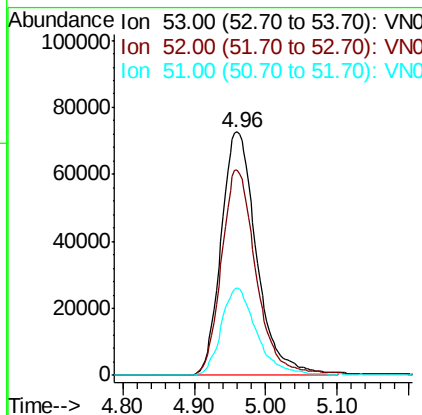
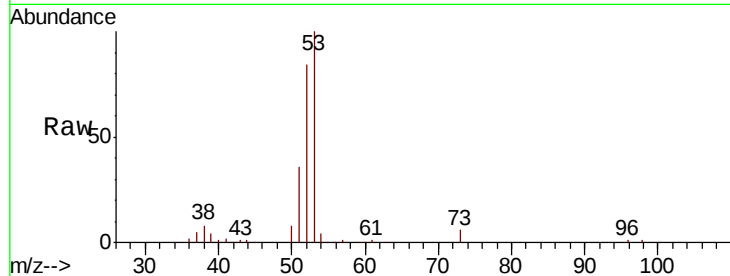
VN1017WBS01

Tot Ion:	53	Resp:	251312
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.2	99.2
51	36.0	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 125.829 ug/l

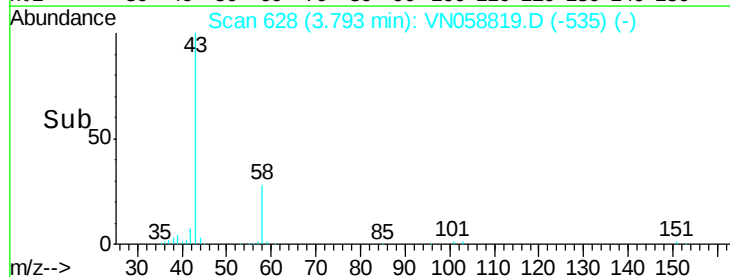
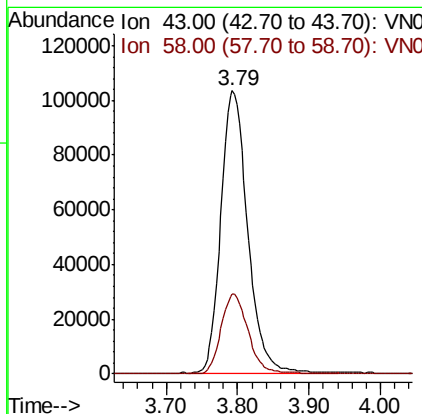
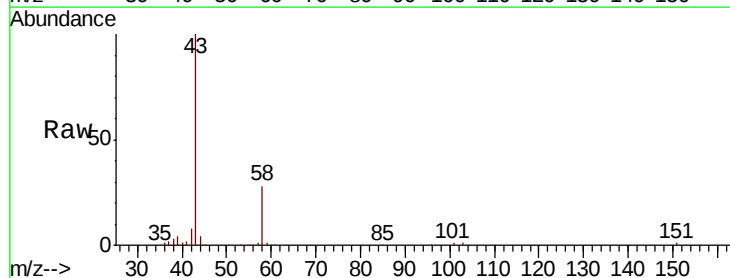
RT: 3.79 min Scan# 628

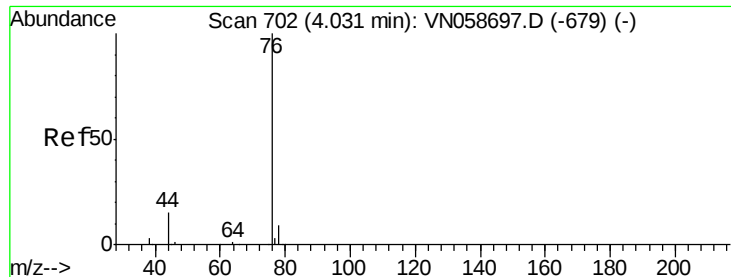
Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion:	43	Resp:	269425
Ion Ratio	Lower	Upper	
43	100		
58	28.5	23.3	34.9





#17
Carbon Disulfide
Concen: 19.513 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

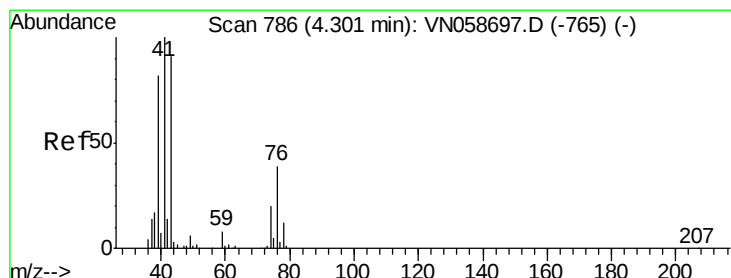
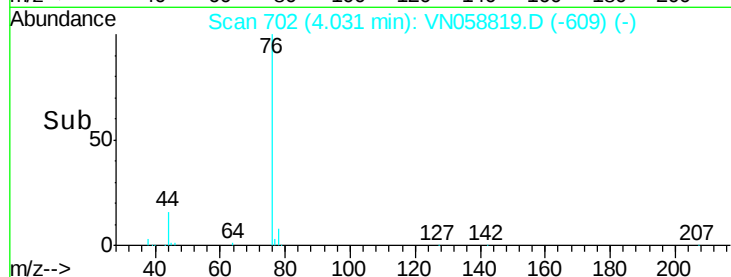
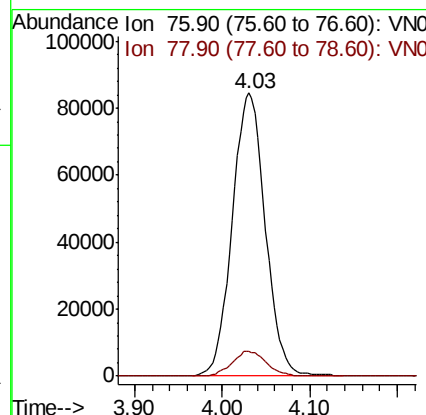
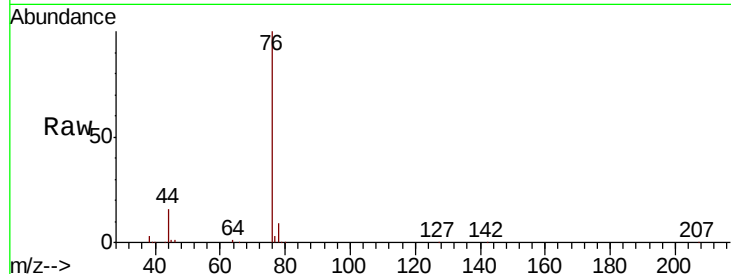
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

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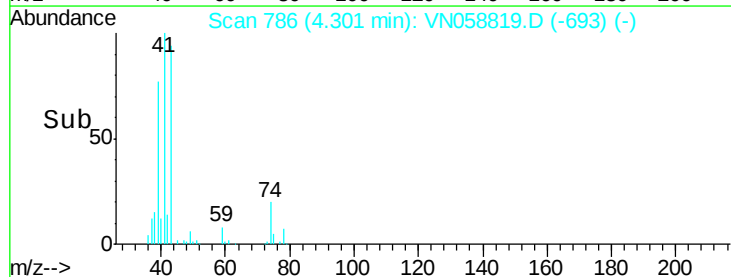
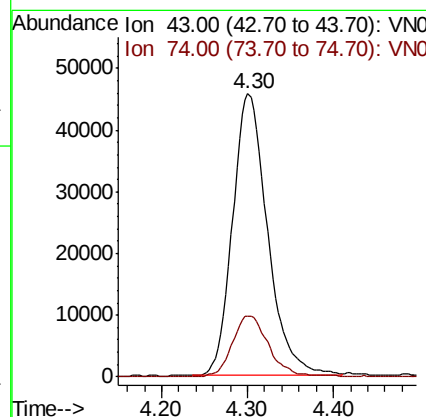
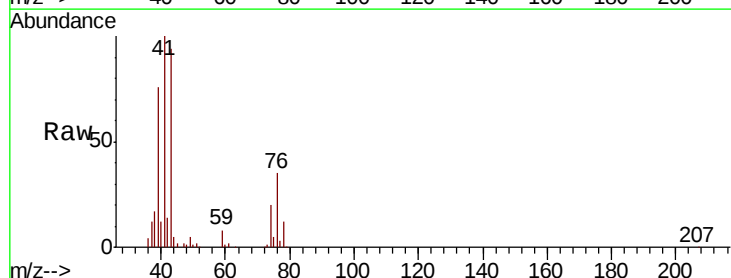
MMDadoda

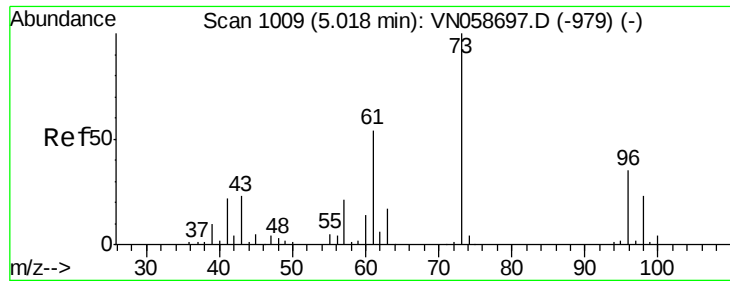
10/18/2019 3:25:56 PM



#18
Methyl Acetate
Concen: 23.893 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.2	25.8





#19
Methvl tert-butvl Ether
Concen: 21.937 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

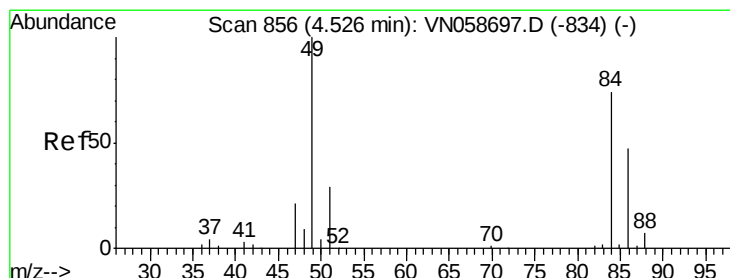
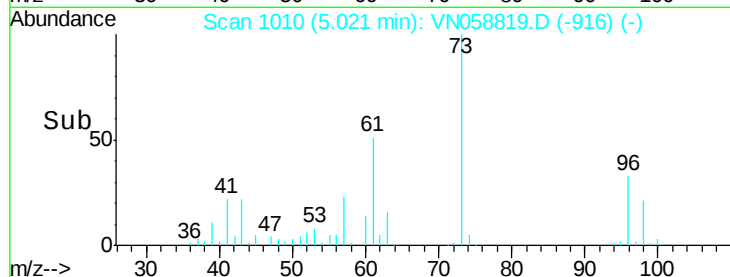
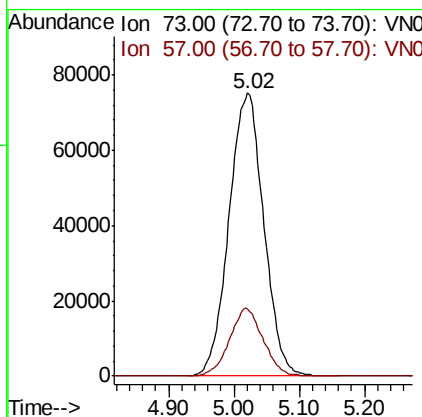
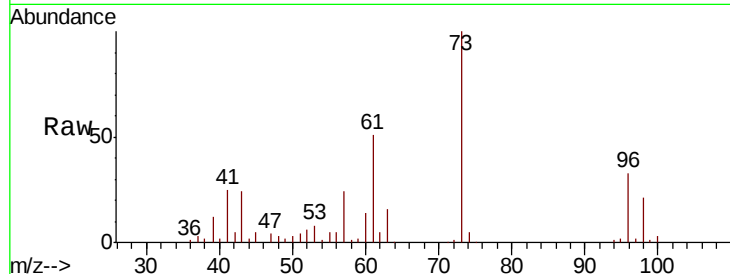
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Tot Ion: 73 Resp: 277926
Ion Ratio Lower Upper
73 100
57 23.7 17.0 25.6

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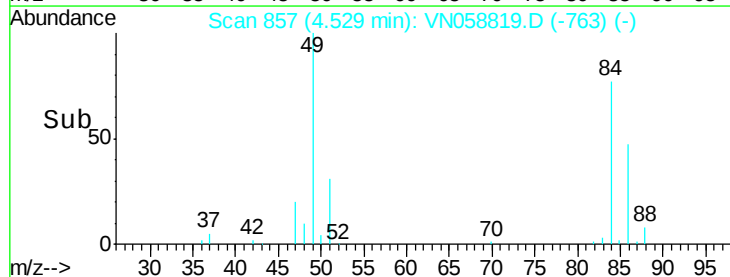
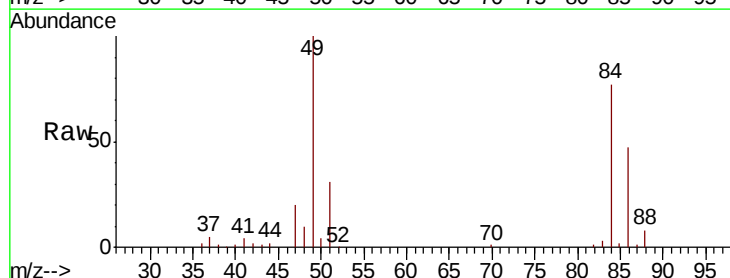
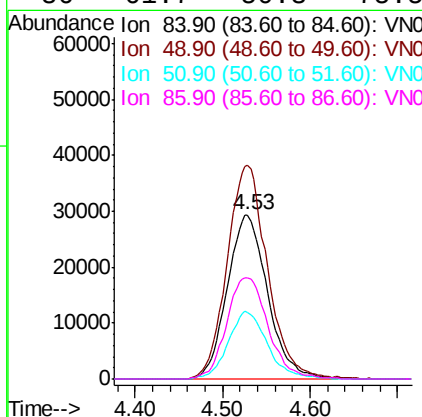
MM Dadoda

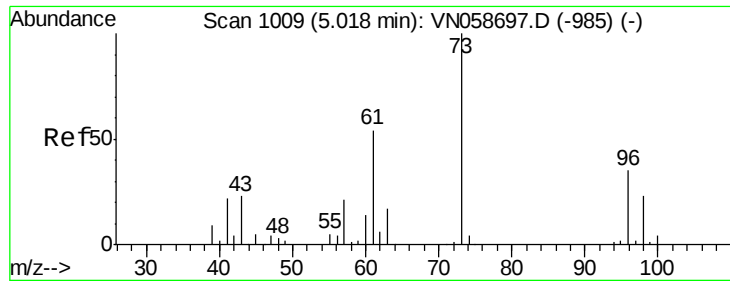
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#20
Methylene Chloride
Concen: 20.957 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion: 84 Resp: 93785
Ion Ratio Lower Upper
84 100
49 130.0 107.6 161.4
51 40.9 31.4 47.0
86 61.7 50.3 75.5





#21
trans-1,2-Dichloroethene
Concen: 20.805 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

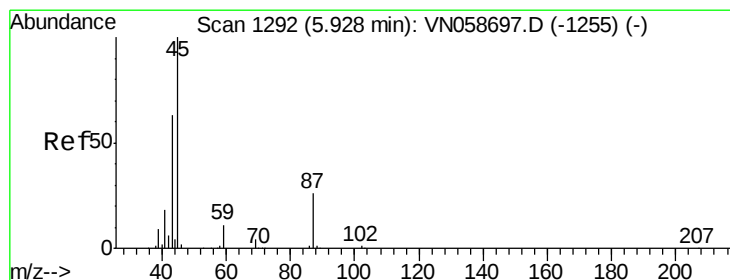
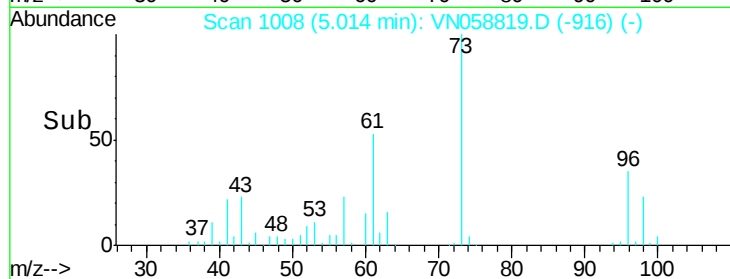
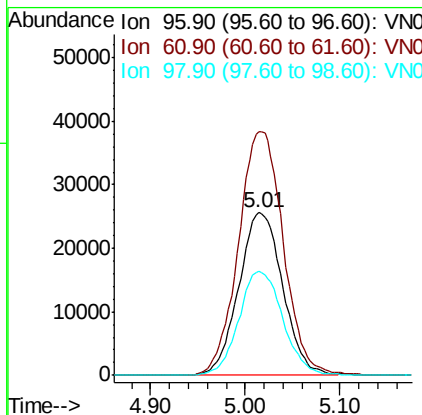
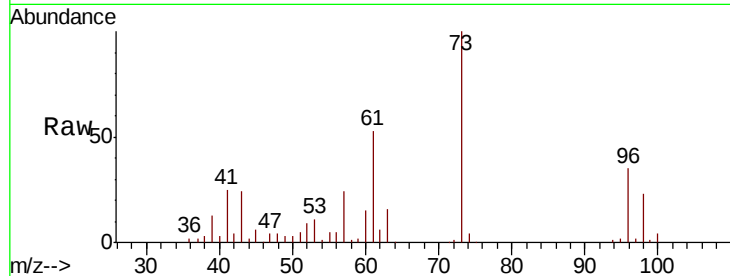
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.7	123.6	185.4
98	63.6	52.1	78.1

Manual Integrations
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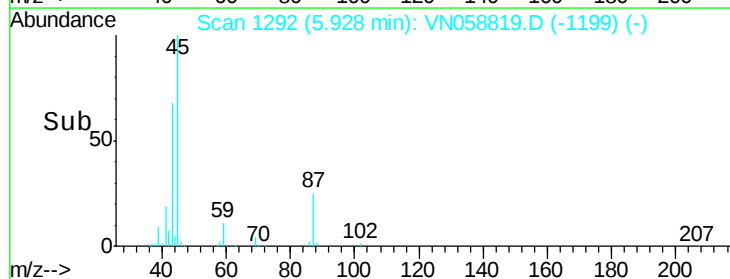
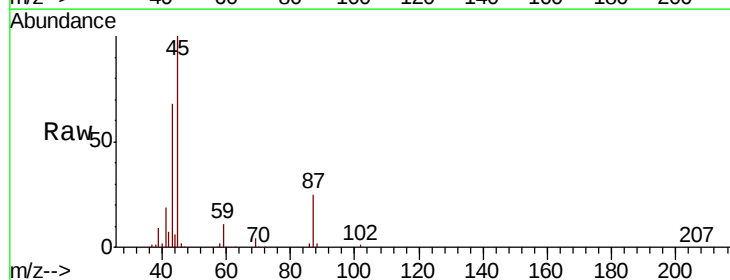
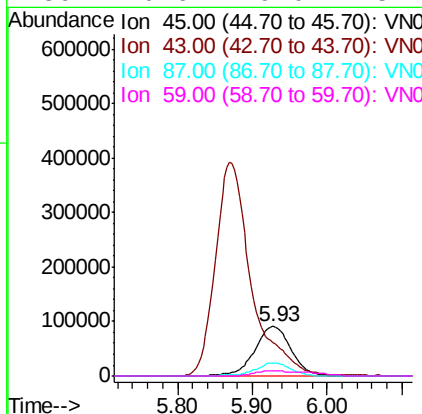
MM Dadoda

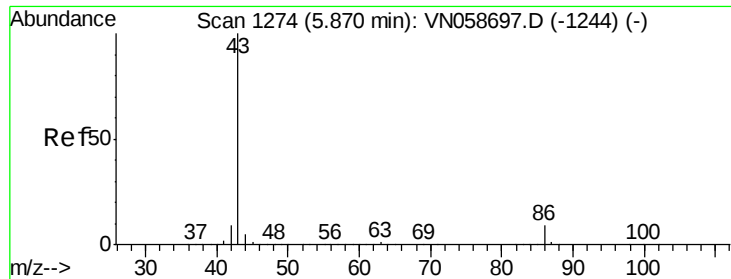
10/18/2019 3:25:56 PM



#22
Diisopropyl ether
Concen: 22.187 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.2	50.6	75.8
87	24.9	21.1	31.7
59	10.6	9.0	13.4





#23

Vinyl Acetate

Concen: 116.187 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tot Ion: 43 Resp: 1305151

Ion Ratio Lower Upper

43 100

86 8.9 7.4 11.0

Instrument :

MSVOA_N

ClientSampled :

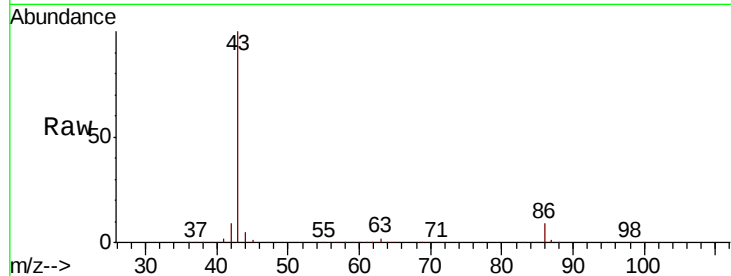
VN1017WBS01

Manual Integrations

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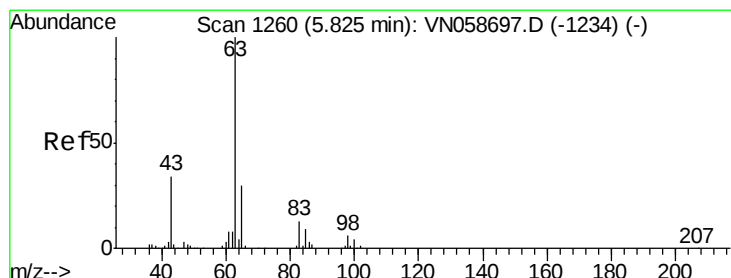
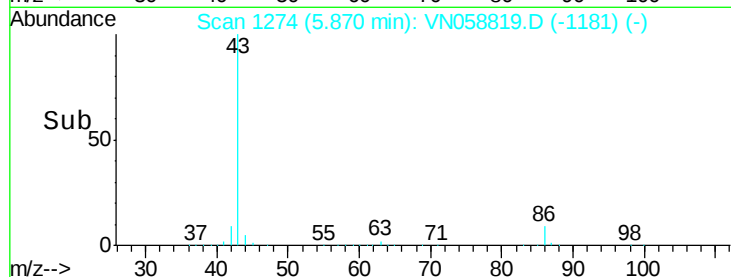
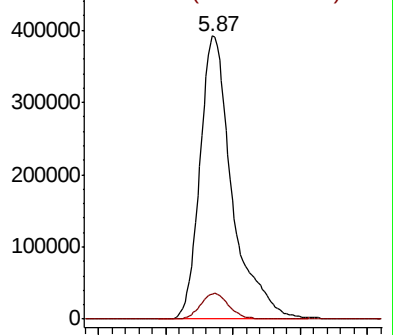
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.903 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

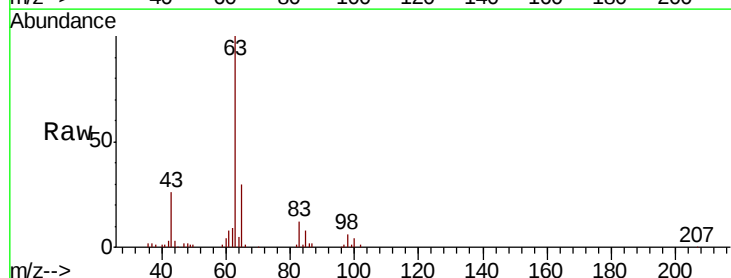
Tgt Ion: 63 Resp: 173663

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

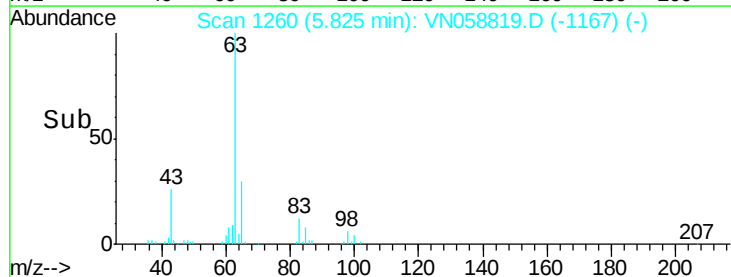
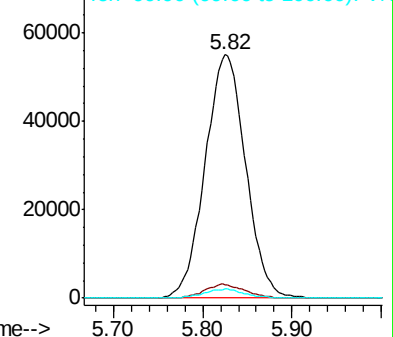
100 3.8 1.8 5.5

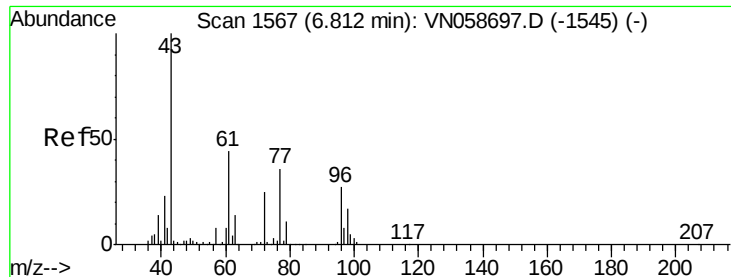


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 116.527 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN1017WBS01

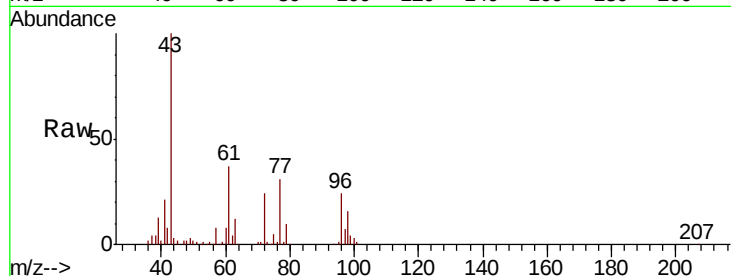
Tot Ion: 43 Resp: 360639

Ion Ratio Lower Upper

43 100

72 24.3 20.2 30.2

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN058819.D (-1474) (-)

Ion 72.00 (71.70 to 72.70): VN058819.D (-1474) (-)

6.81

150000

100000

50000

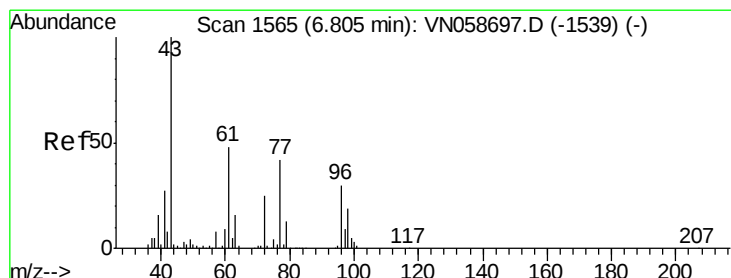
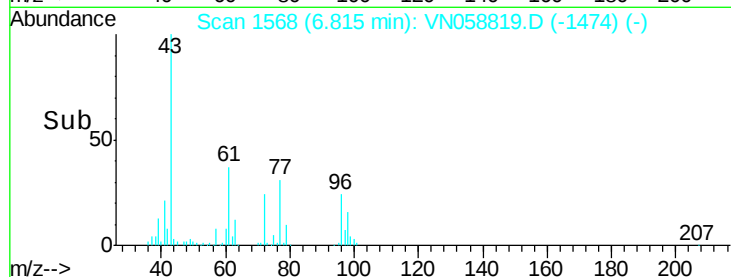
0

Time-->

6.70 6.75 6.80 6.85 6.90

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10/18/2019 3:25:56 PM



#26

2,2-Dichloropropane

Concen: 20.972 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058819.D

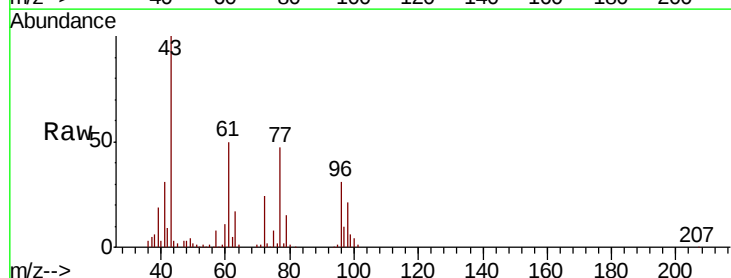
Acq: 17 Oct 2019 12:13

Tgt Ion: 77 Resp: 151787

Ion Ratio Lower Upper

77 100

97 21.6 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN058819.D (-1472) (-)

Ion 96.90 (96.60 to 97.60): VN058819.D (-1472) (-)

6.80

50000

40000

30000

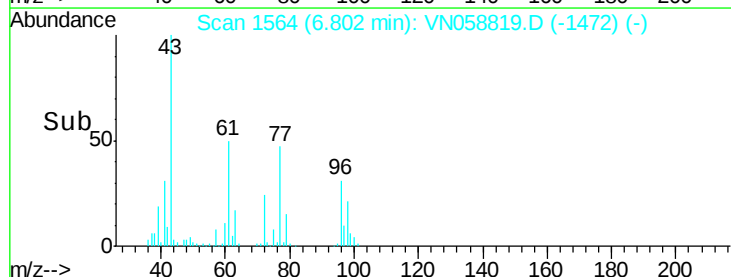
20000

10000

0

Time-->

6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 20.683 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

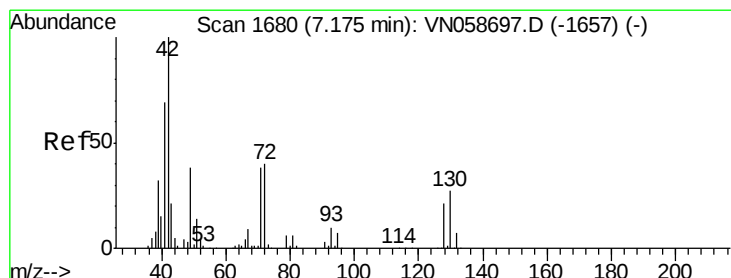
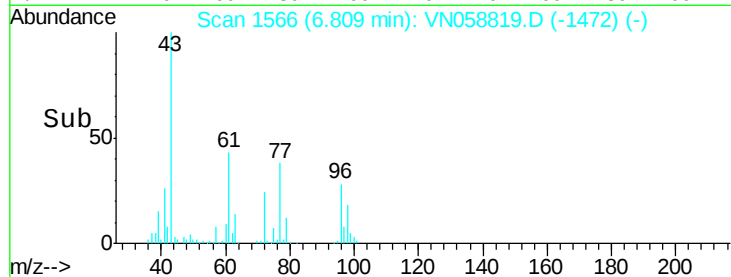
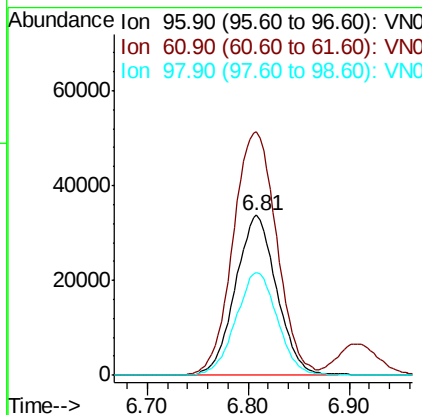
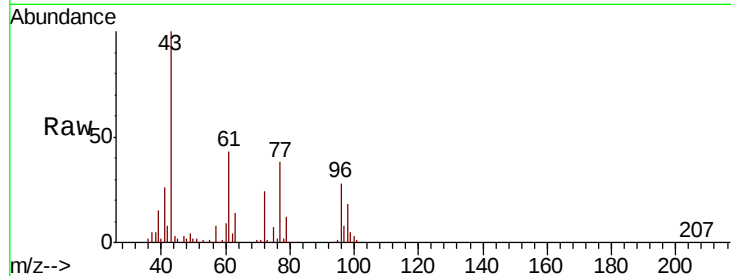
Tot Ion:	96	Resp:	95717
Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	324.8
98	64.6	0.0	129.2

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Manual Integrations
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#28

Bromochloromethane

Concen: 21.226 ug/l

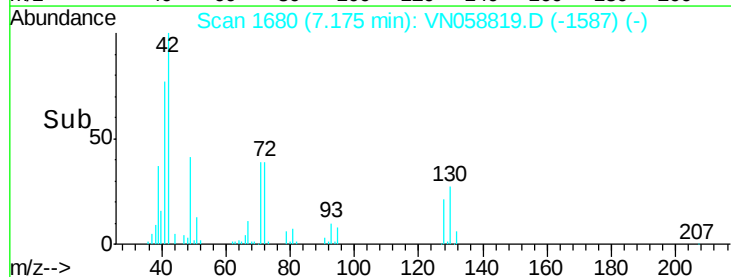
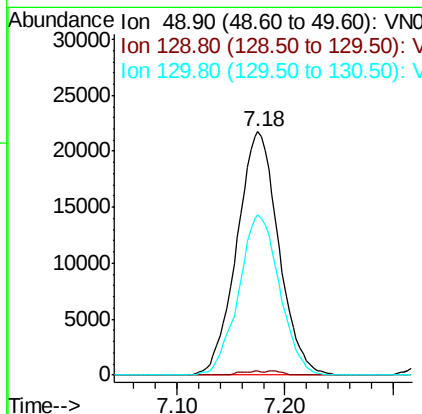
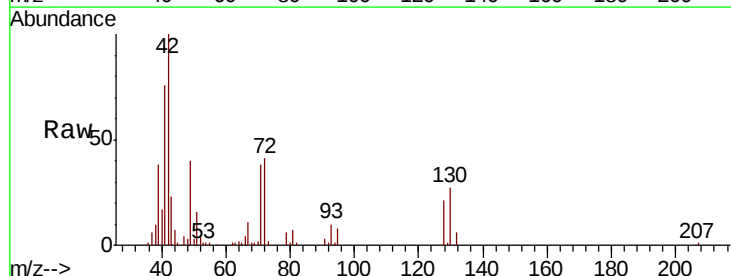
RT: 7.18 min Scan# 1680

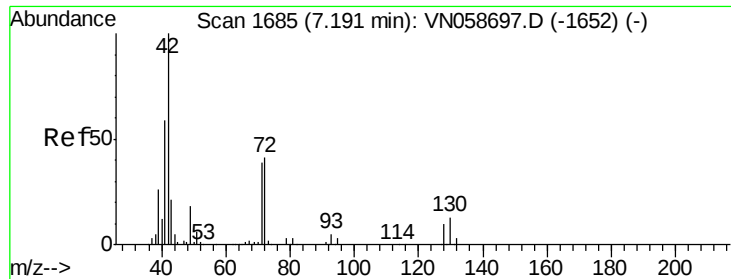
Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion:	49	Resp:	58547
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	64.3	55.0	82.4





#29
Tetrahydrofuran
Concen: 115.408 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

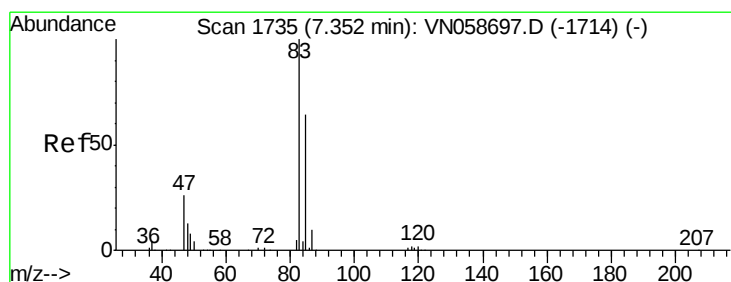
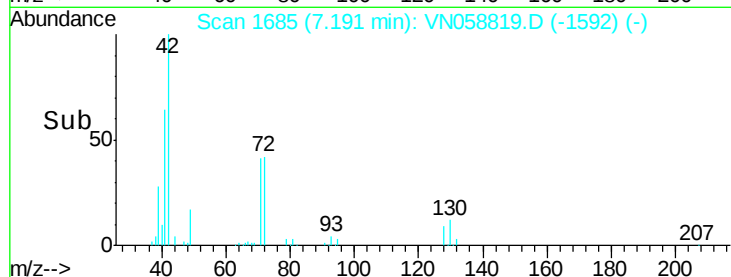
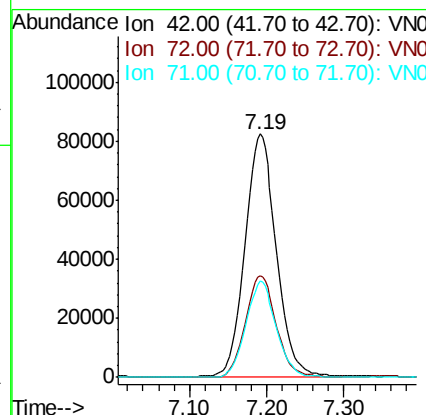
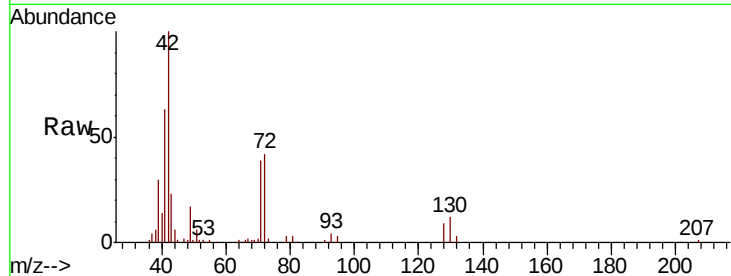
Instrument :
MSVOA_N
ClientSampled :
VN1017WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.8	49.2
71	38.7	31.1	46.7

Manual Integrations
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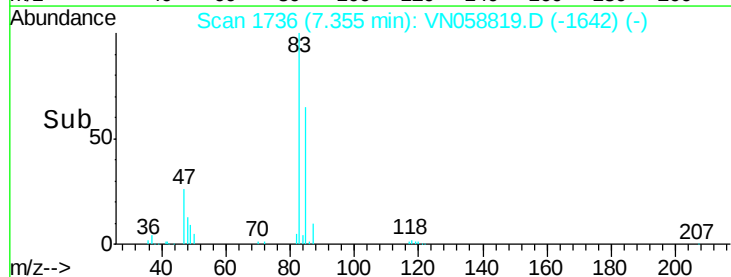
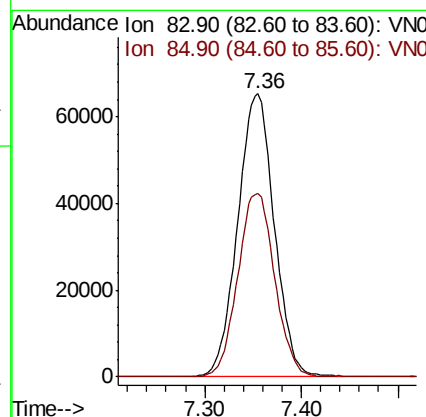
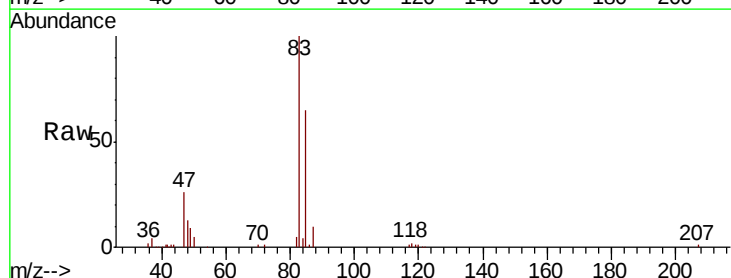
MMMadoda

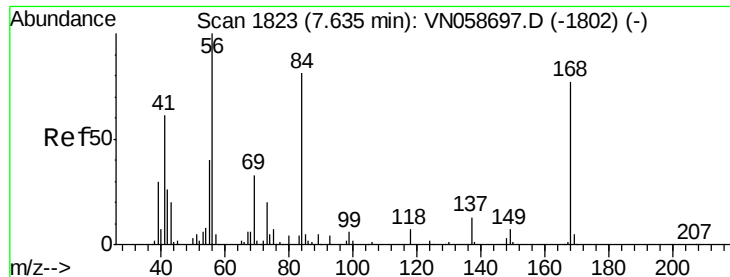
10/18/2019 3:25:56 PM



#30
Chloroform
Concen: 21.553 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.6





#31

Cyclohexane

Concen: 19.884 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

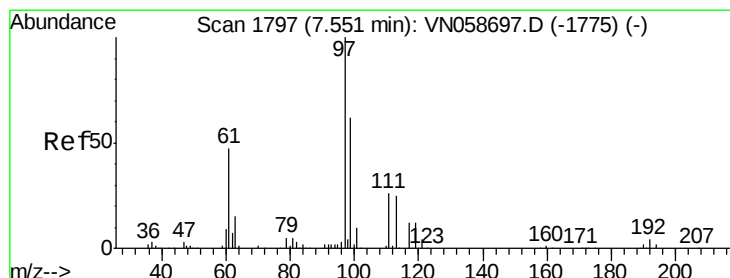
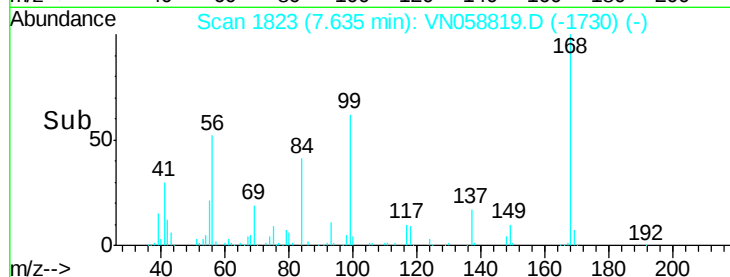
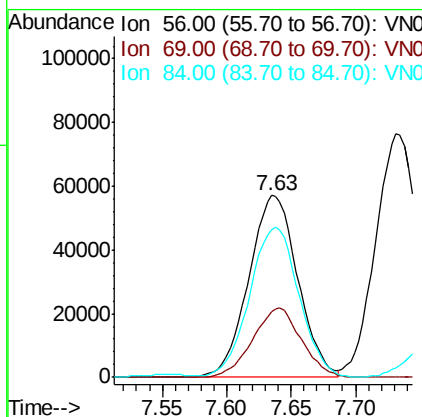
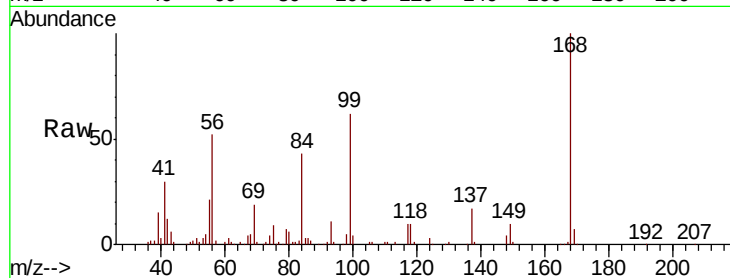
VN1017WBS01

Tot Ion:	56	Resp:	150844
Ion Ratio	Lower	Upper	
56	100		
69	35.9	26.2	39.4
84	80.5	64.9	97.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.612 ug/l

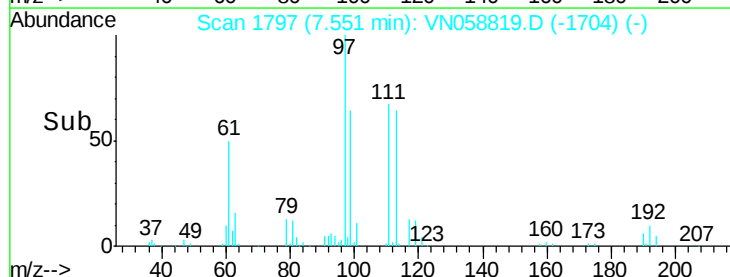
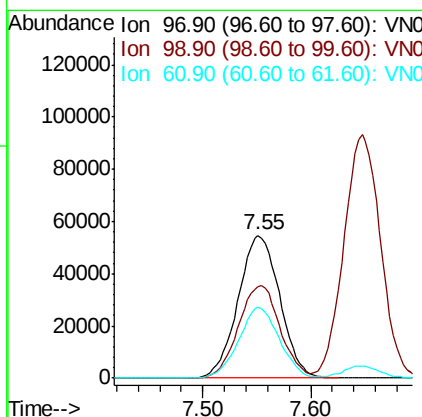
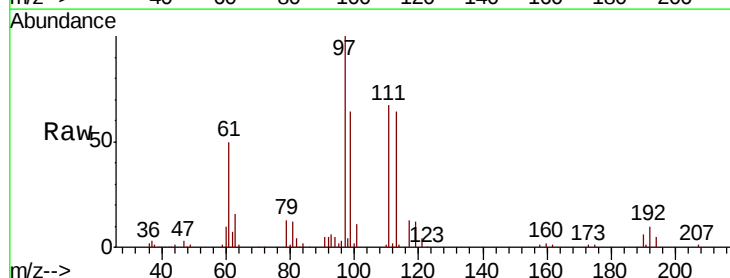
RT: 7.55 min Scan# 1797

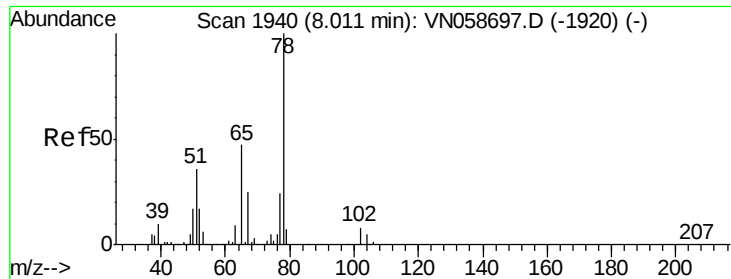
Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion:	97	Resp:	146824
Ion Ratio	Lower	Upper	
97	100		
99	64.9	50.8	76.2
61	48.4	38.1	57.1





#33
 1,2-Dichloroethane-d4
 Concen: 52.743 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

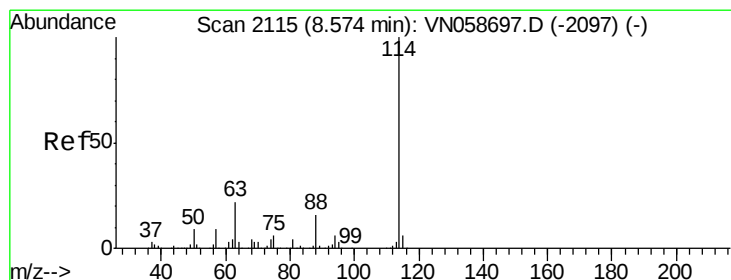
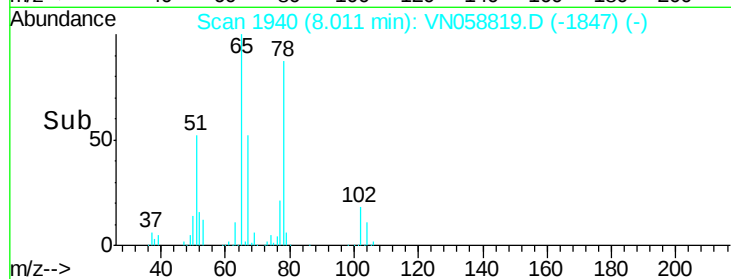
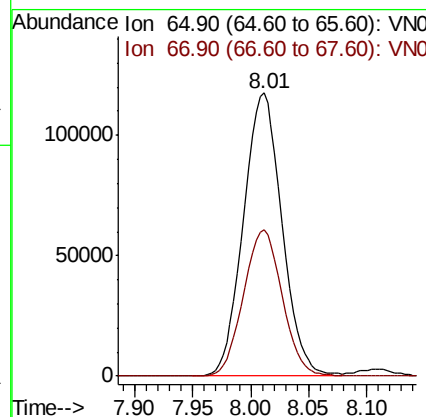
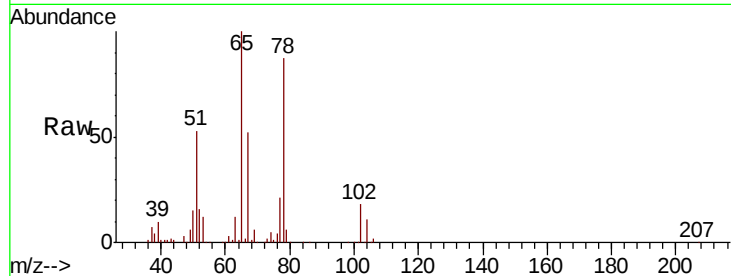
Instrument :
 MSVOA_N
 ClientSampled :
 VN1017WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	272790		
67	52.1	0.0	103.8	

Manual Integrations
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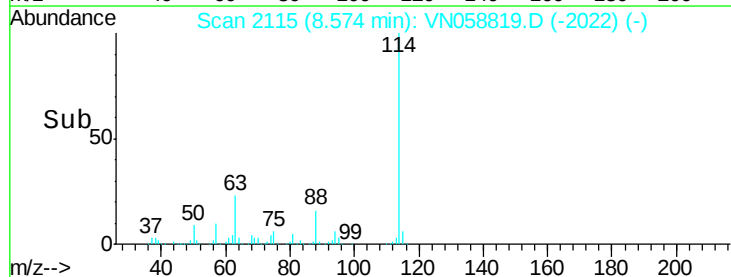
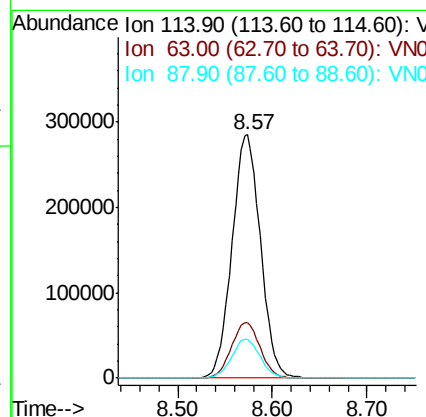
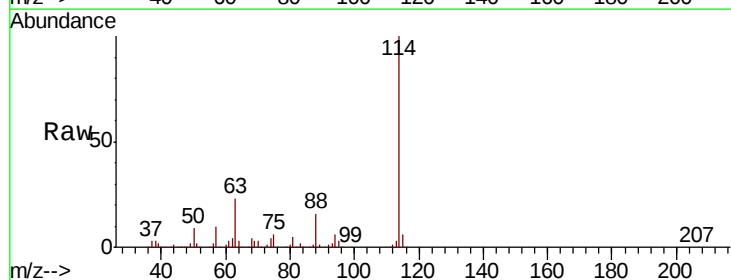
MMMadoda

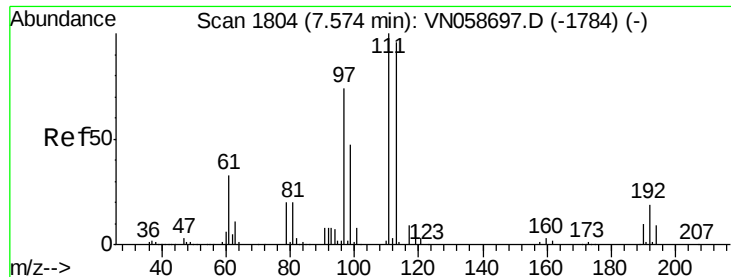
10/18/2019 3:25:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	595659		
63	22.9	0.0	43.8	
88	15.8	0.0	32.0	





#35
 Dibromofluoromethane
 Concen: 53.201 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

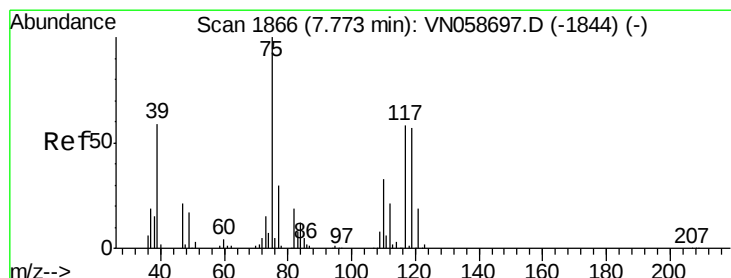
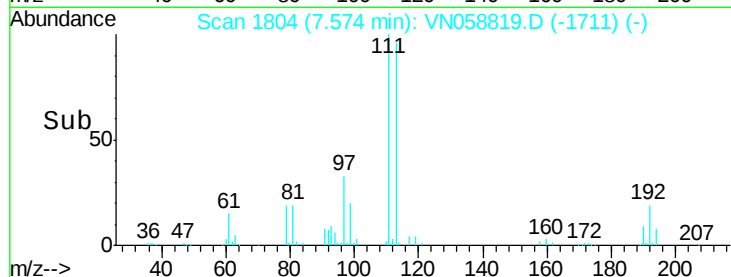
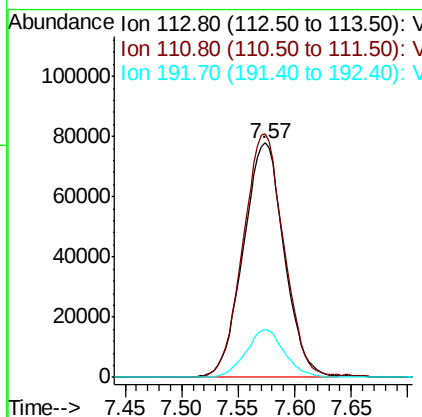
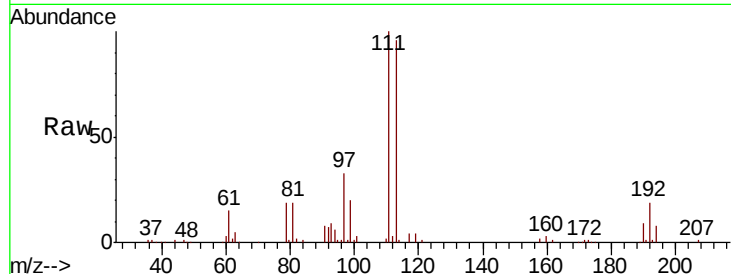
Instrument :
 MSVOA_N
 ClientSampled :
 VN1017WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	195741		
111	103.7	82.3	123.5	
192	19.2	15.0	22.6	

Manual Integrations
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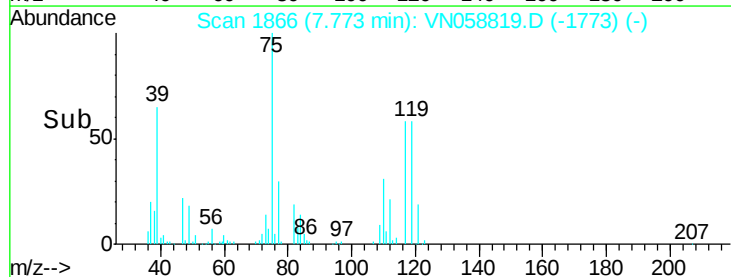
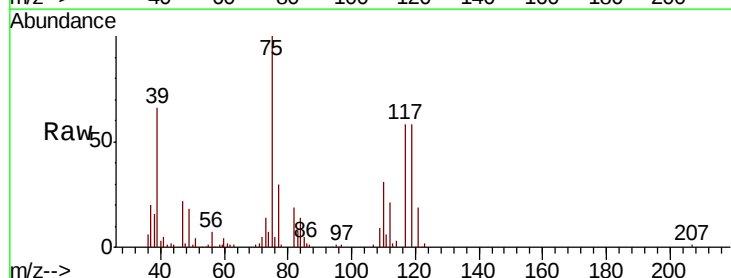
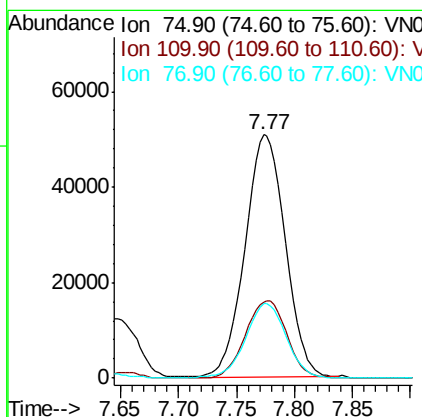
MM Dadoda

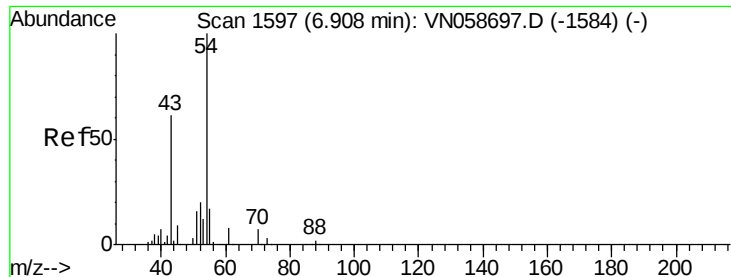
10/18/2019 3:25:56 PM



#36
 1,1-Dichloropropene
 Concen: 20.418 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122968		
110	32.7	16.6	49.8	
77	31.1	24.6	37.0	





#37
Ethyl Acetate
Concen: 23.844 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

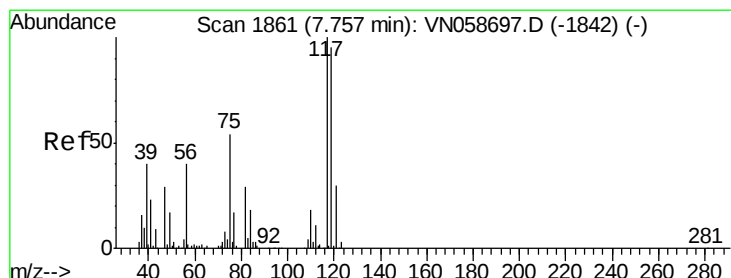
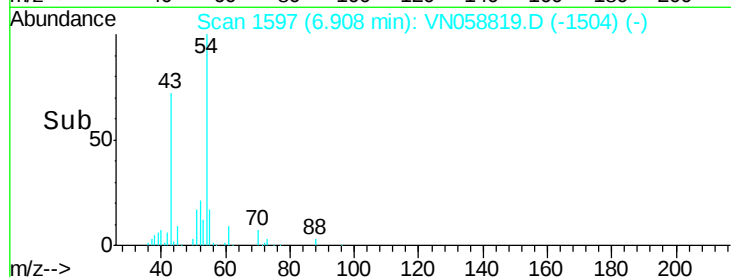
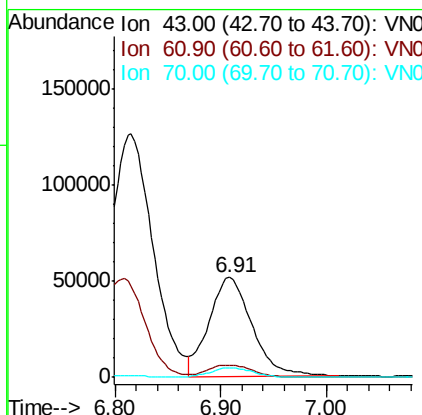
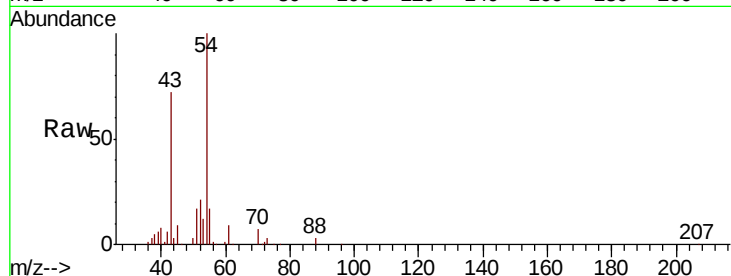
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.3	16.9
70	9.9	7.2	10.8

Manual Integrations
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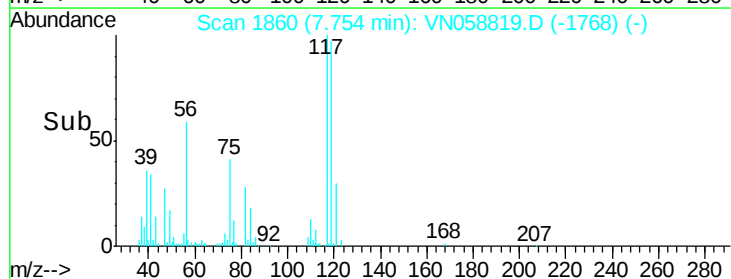
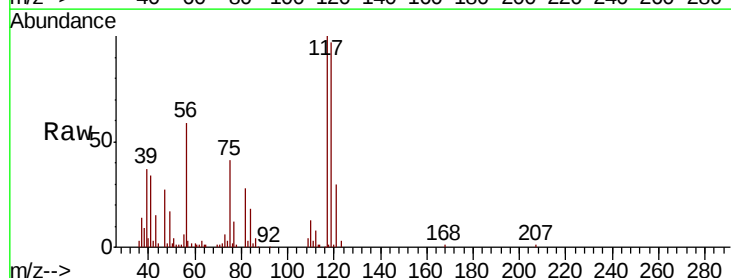
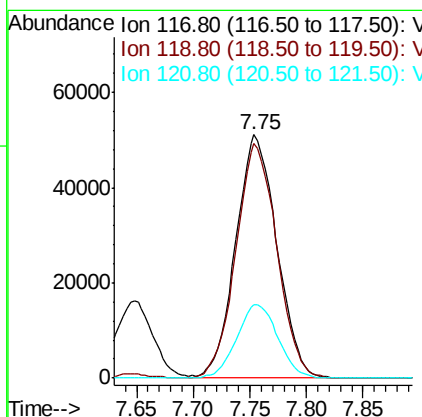
MMDadoda

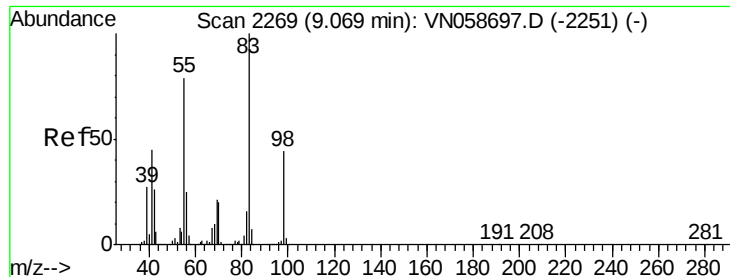
10/18/2019 3:25:56 PM



#38
Carbon Tetrachloride
Concen: 22.050 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.7	113.5
121	30.2	23.9	35.9





#39
Methvlcvclohexane
Concen: 19.896 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

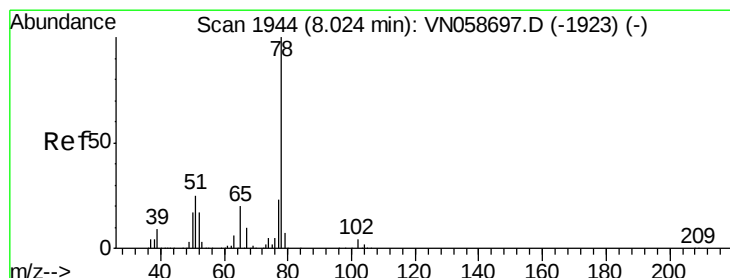
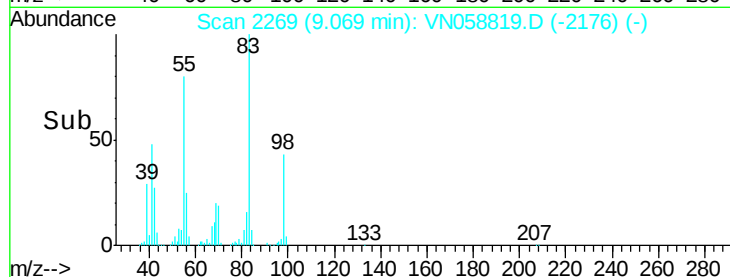
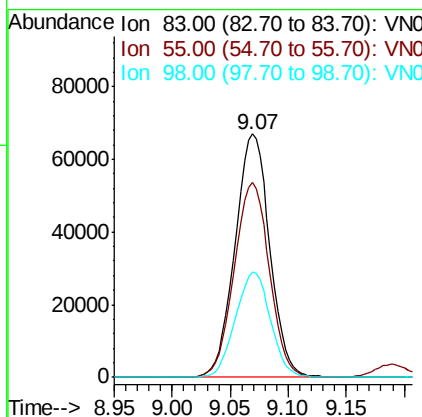
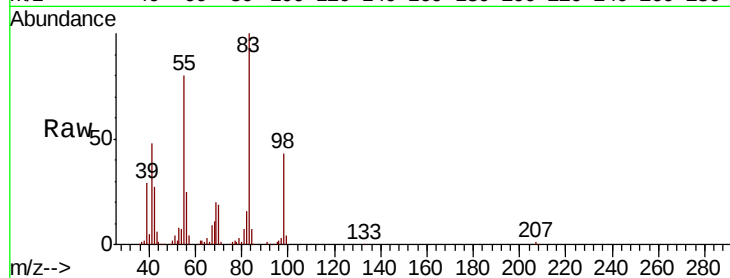
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	63.4	95.0
98	43.1	35.1	52.7

Manual Integrations
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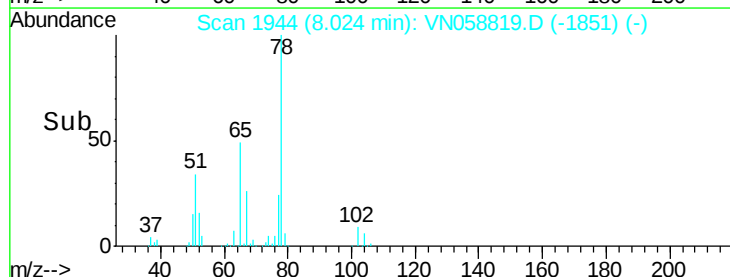
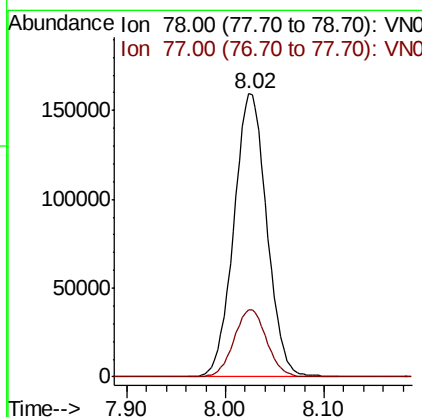
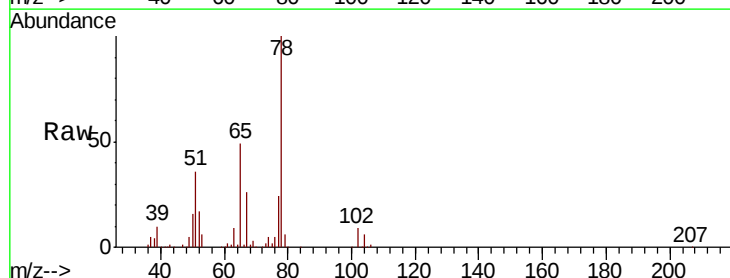
MMDadoda

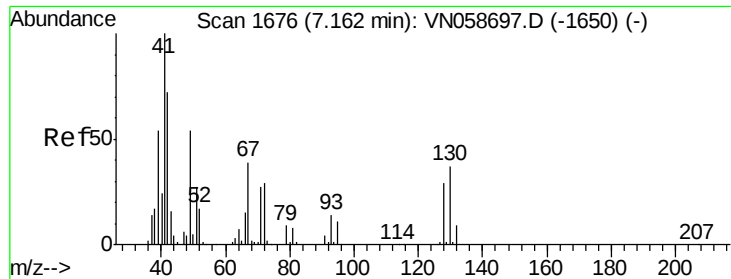
10/18/2019 3:25:56 PM



#40
Benzene
Concen: 21.365 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





#41
Methacrylonitrile
Concen: 23.492 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

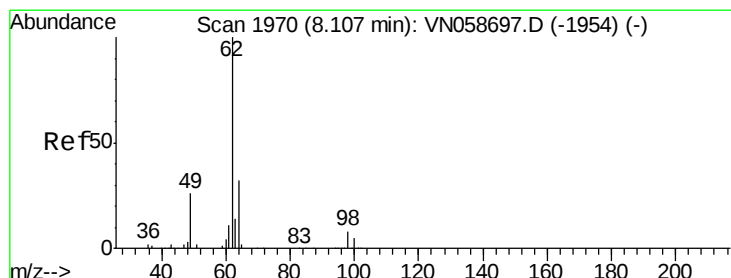
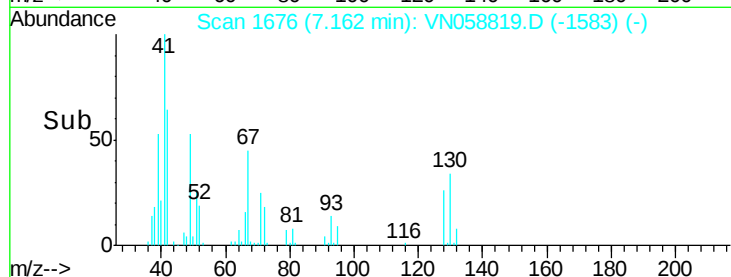
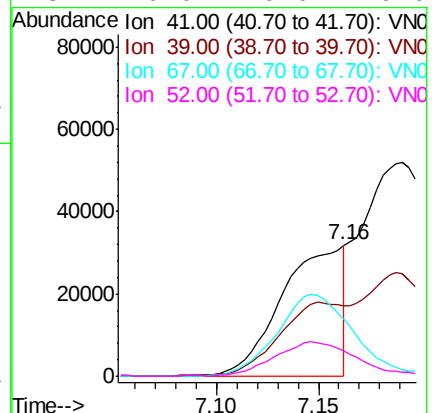
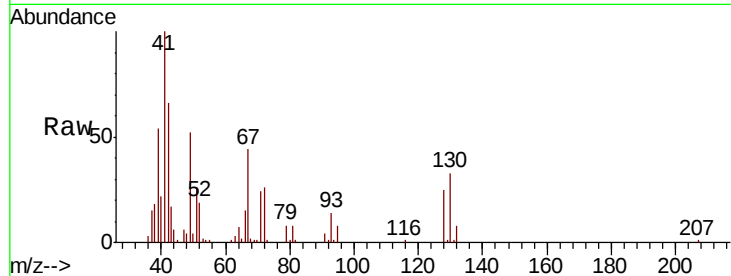
Instrument :
MSVOA_N
ClientSampled :
VN1017WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	115.4	173.2#	
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

Manual Integrations
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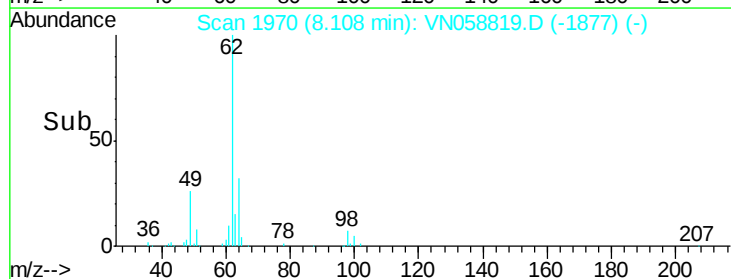
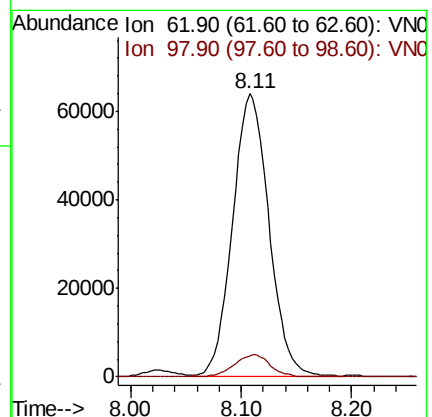
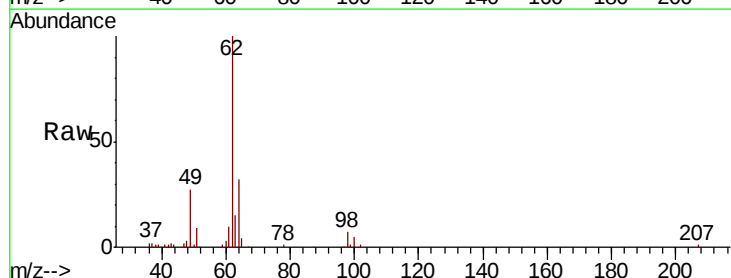
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10/18/2019 3:25:56 PM



#42
1,2-Dichloroethane
Concen: 21.870 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	15.8	





#43
Isopropyl Acetate
Concen: 21.928 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

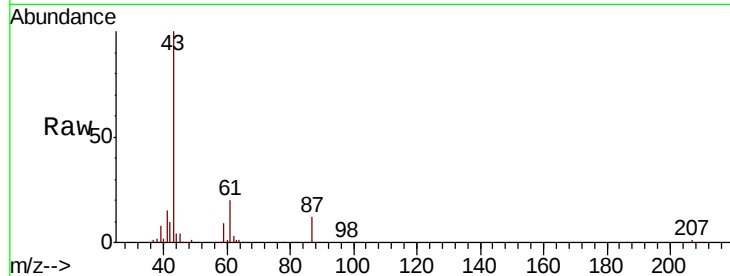
Instrument :
MSVOA_N
ClientSampled :
VN1017WBS01

Tot Ion:	43	Resp:	227526
Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.3	30.5
87	11.6	9.8	14.6

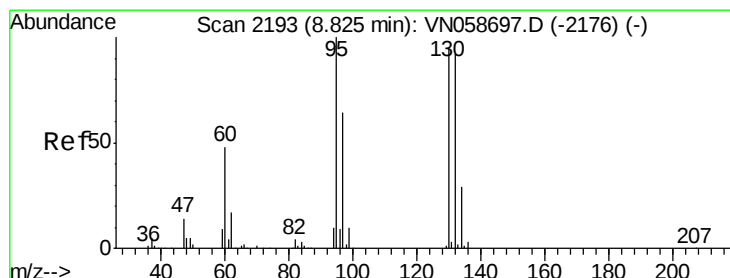
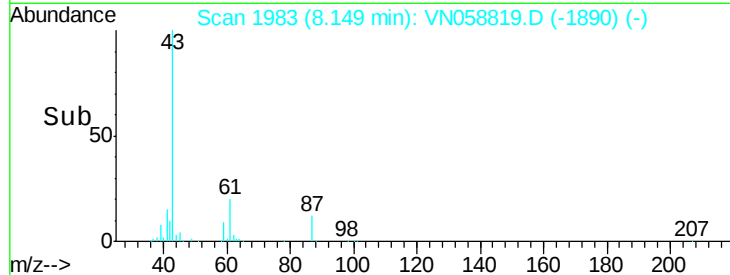
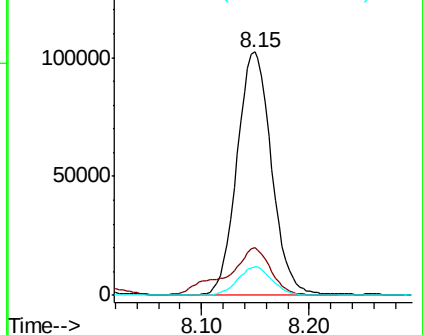
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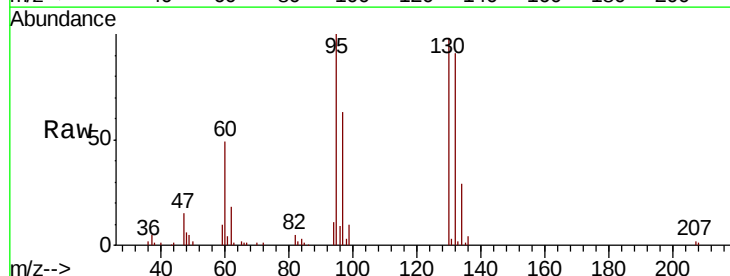


Abundance Ion 43.00 (42.70 to 43.70): VN058819.D (-1890) (-)
Ion 61.00 (60.70 to 61.70): VN058819.D (-1890) (-)
Ion 87.00 (86.70 to 87.70): VN058819.D (-1890) (-)

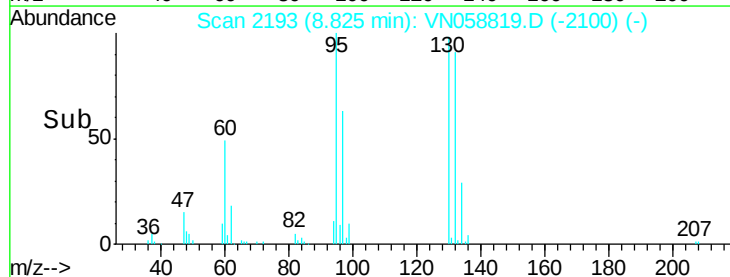
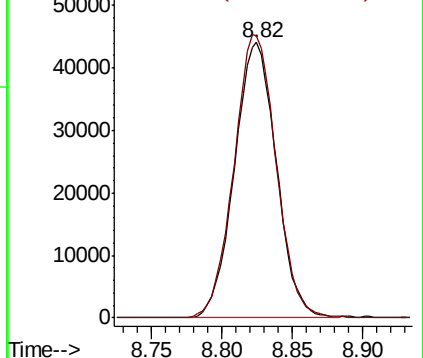


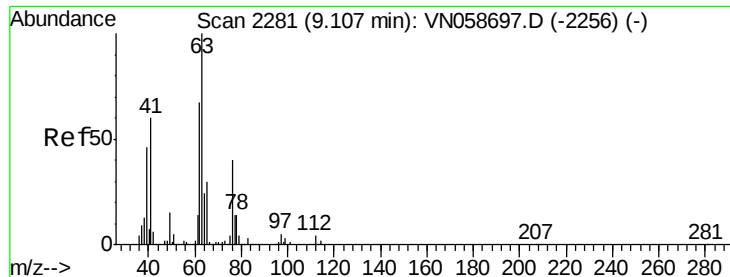
#44
Trichloroethene
Concen: 21.349 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion:	130	Resp:	91700
Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058819.D (-2100) (-)
Ion 94.90 (94.60 to 95.60): VN058819.D (-2100) (-)





#45
 1,2-Dichloropropane
 Concen: 22.424 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

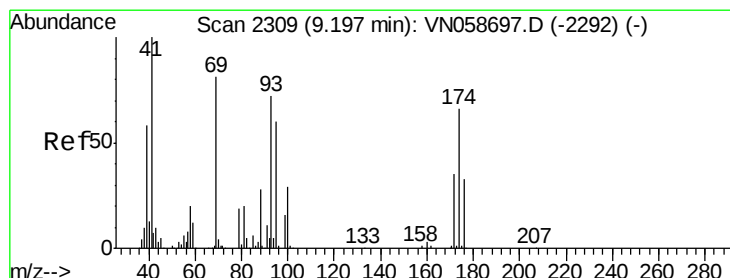
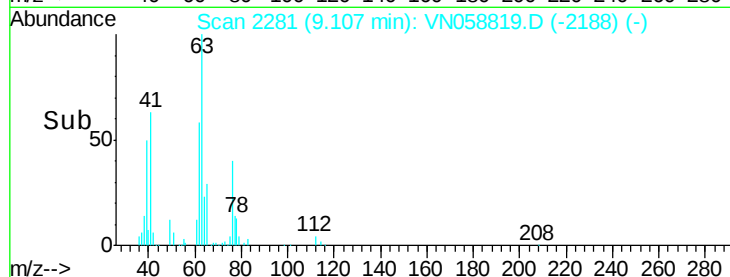
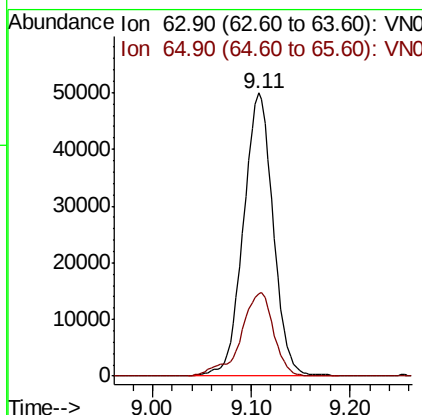
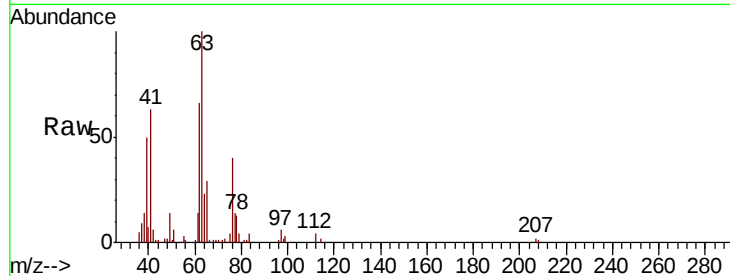
Instrument :
 MSVOA_N
 ClientSampled :
 VN1017WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.1	36.1

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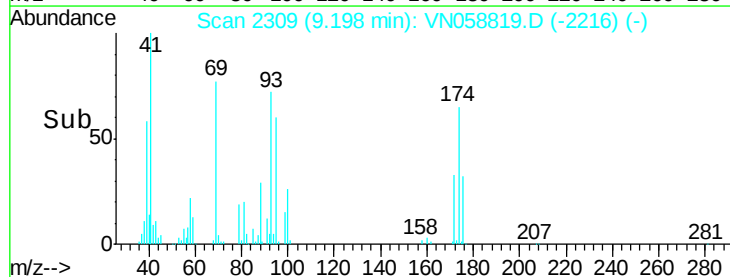
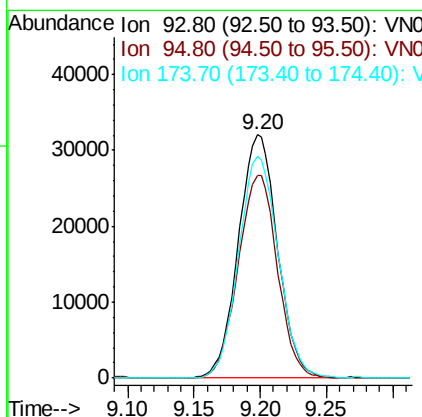
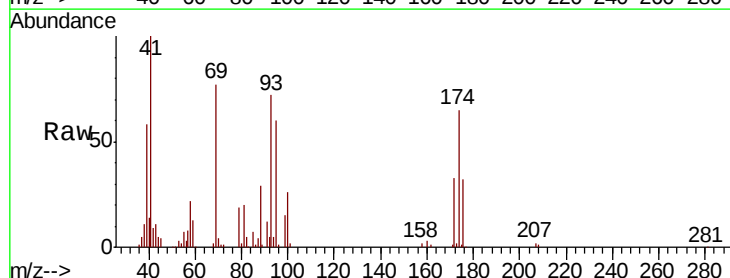
MMMadoda

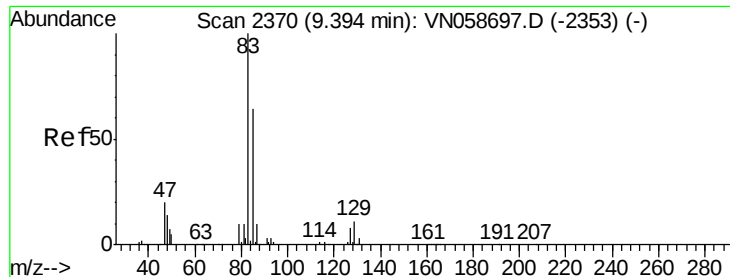
10/18/2019 3:25:56 PM



#46
 Dibromomethane
 Concen: 22.350 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.6	100.0
174	92.8	75.2	112.8





#47

Bromodichloromethane

Concen: 22.179 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

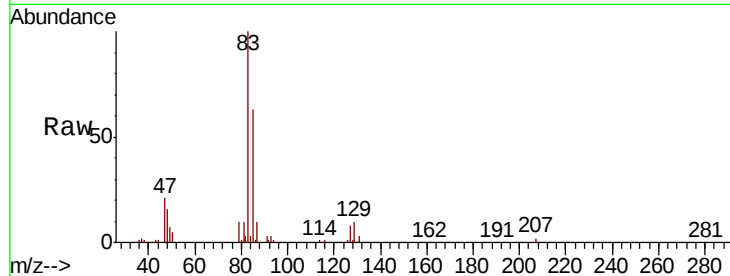
VN1017WBS01

Tot Ion:	83	Resp:	132587
Ion Ratio	Lower	Upper	
83	100		
85	62.8	50.9	76.3
127	7.9	6.3	9.5

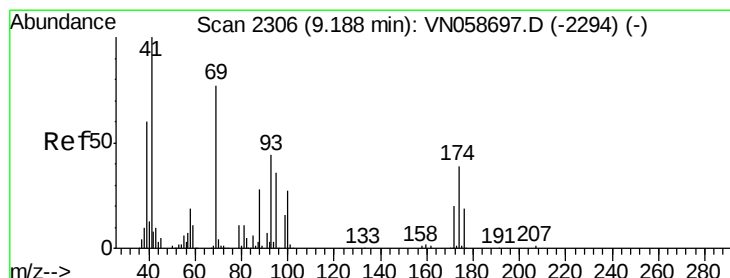
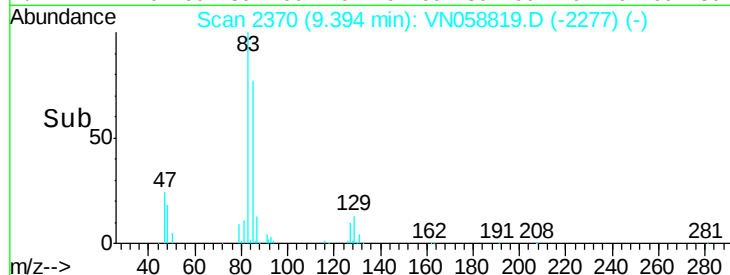
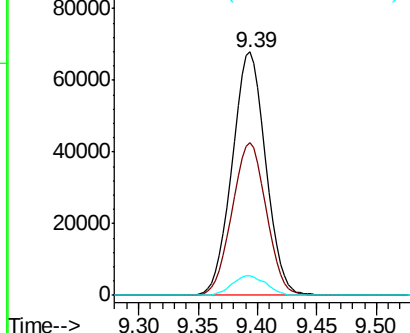
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 22.400 ug/l

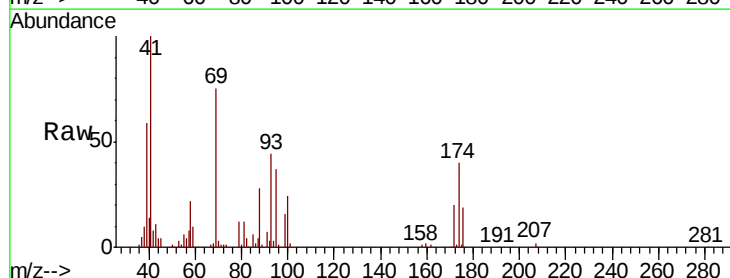
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

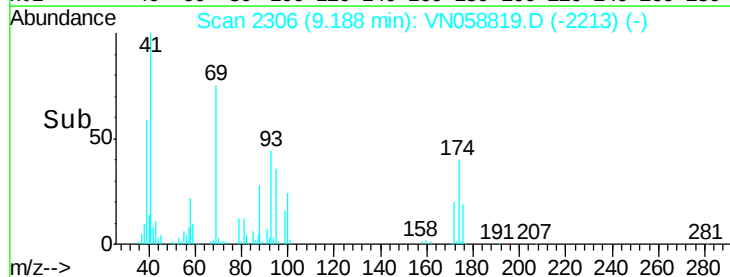
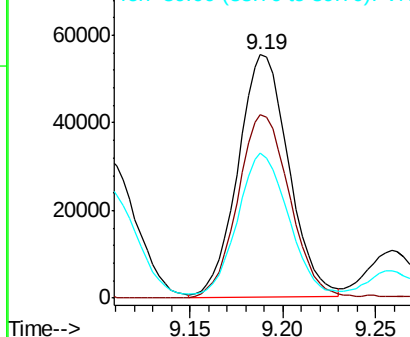
Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion:	41	Resp:	105355
Ion Ratio	Lower	Upper	
41	100		
69	77.3	63.4	95.2
39	60.3	48.9	73.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49
1,4-Dioxane
Concen: 453.461 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

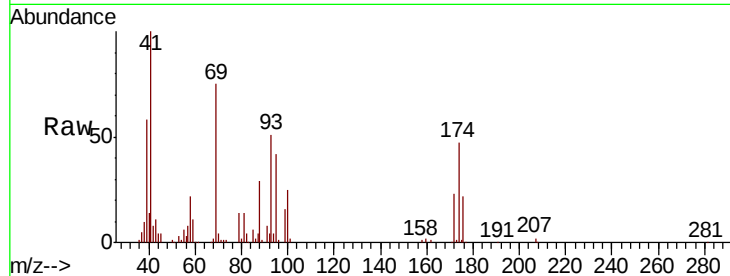
Instrument :
MSVOA_N
ClientSampled :
VN1017WBS01

Tot Ion	88	Resp	32995
Ion	Ratio	Lower	Upper
88	100		
43	38.0	28.6	43.0
58	76.2	57.2	85.8

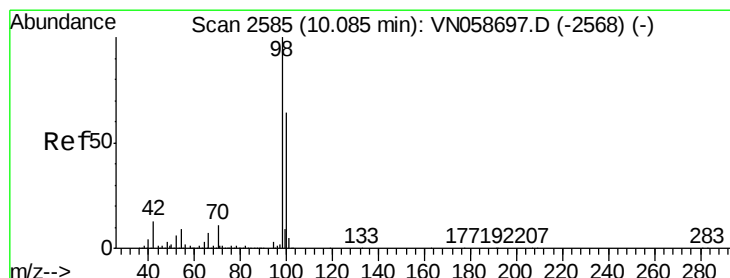
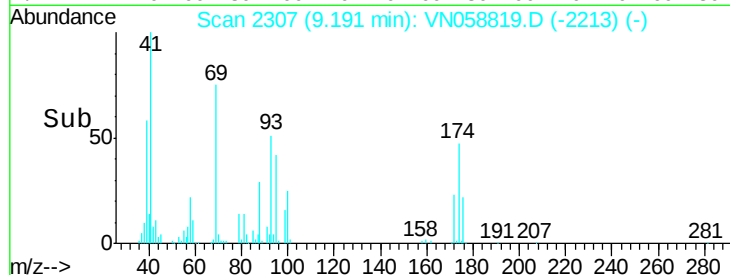
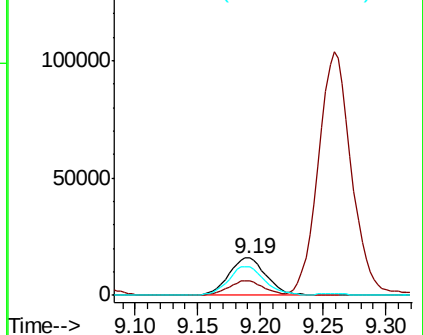
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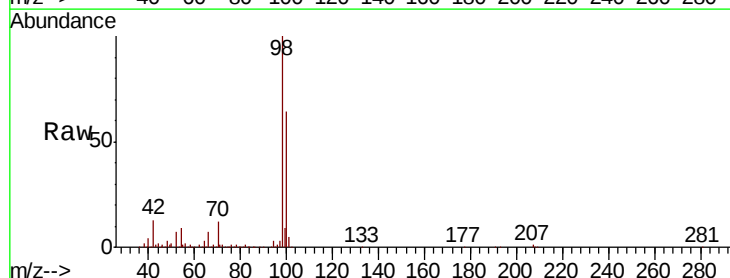


Abundance Ion 88.00 (87.70 to 88.70): VN058819.D (-2213) (-)
Ion 43.00 (42.70 to 43.70): VN058819.D (-2213) (-)
Ion 58.00 (57.70 to 58.70): VN058819.D (-2213) (-)

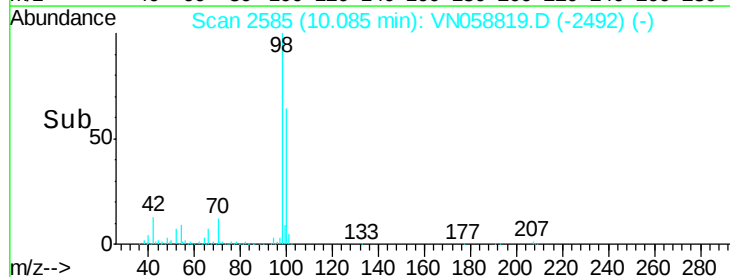
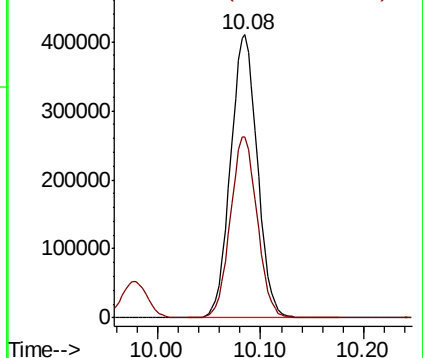


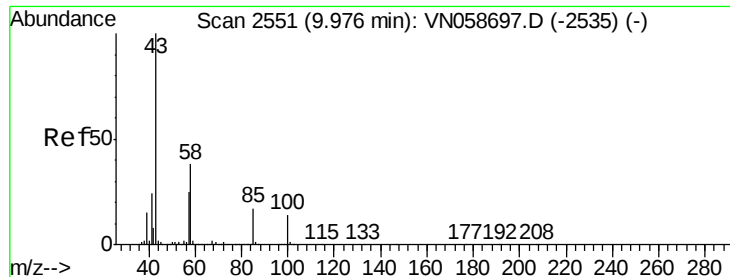
#50
Toluene-d8
Concen: 50.454 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	98	Resp	742316
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058819.D (-2492) (-)
Ion 100.00 (99.70 to 100.70): VN058819.D (-2492) (-)





#51

4-Methyl-2-Pentanone

Concen: 124.678 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tot Ion: 43 Resp: 726527

Ion Ratio Lower Upper

43 100

58 36.7 30.3 45.5

Instrument :

MSVOA_N

ClientSampled :

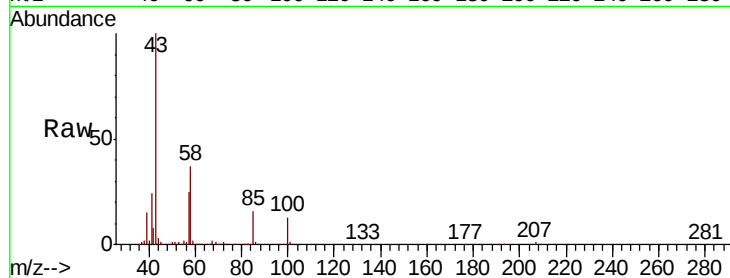
VN1017WBS01

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

400000

300000

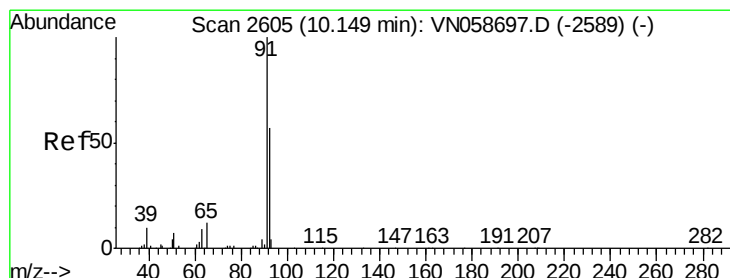
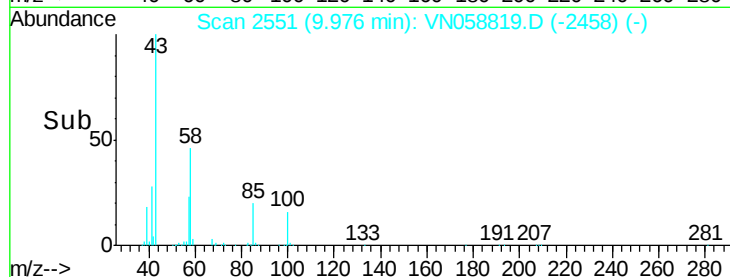
200000

100000

0

9.90 9.98 10.00 10.10

Time-->



#52

Toluene

Concen: 21.151 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058819.D

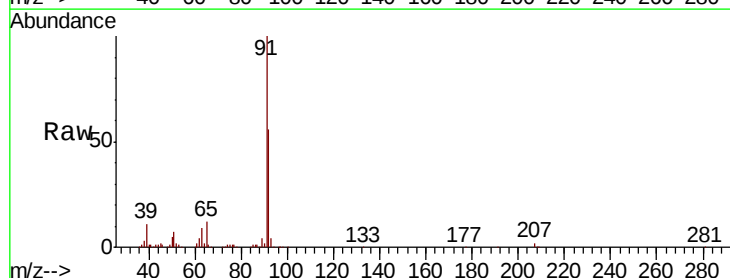
Acq: 17 Oct 2019 12:13

Tgt Ion: 92 Resp: 223761

Ion Ratio Lower Upper

92 100

91 175.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

150000

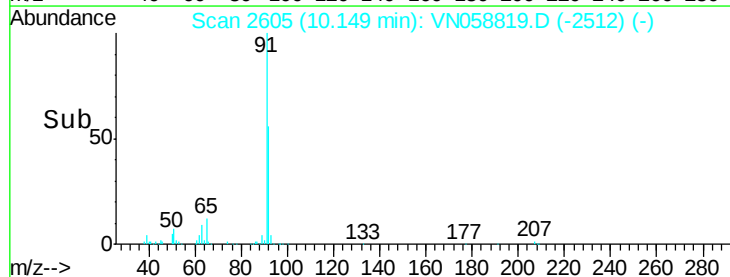
100000

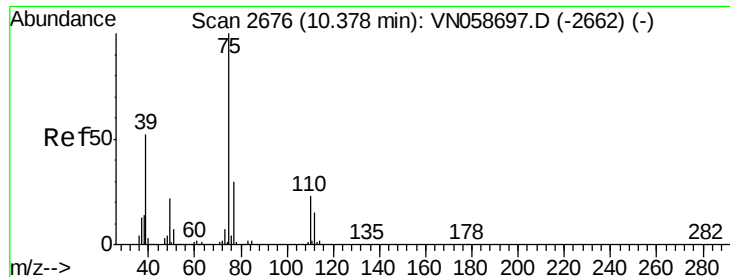
50000

0

10.05 10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.335 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBS01

Tot Ion: 75 Resp: 146283

Ion Ratio Lower Upper

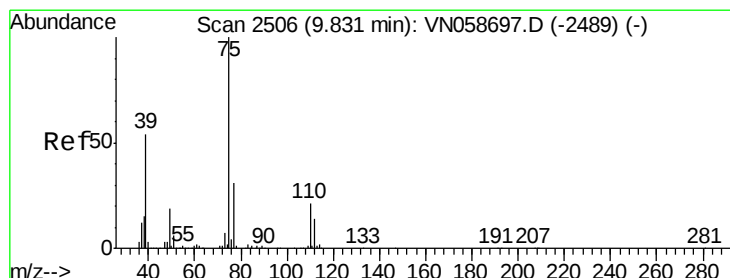
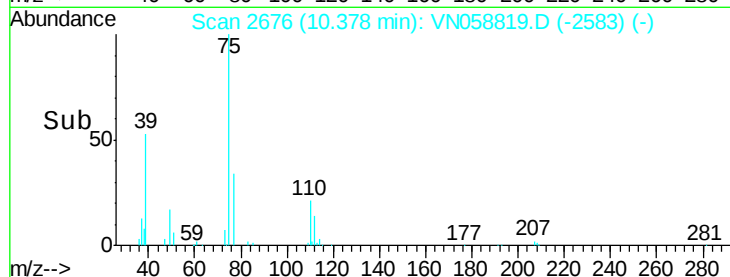
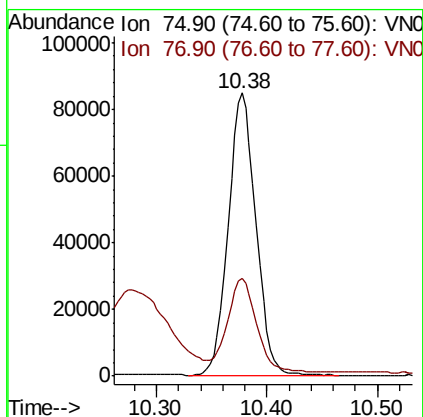
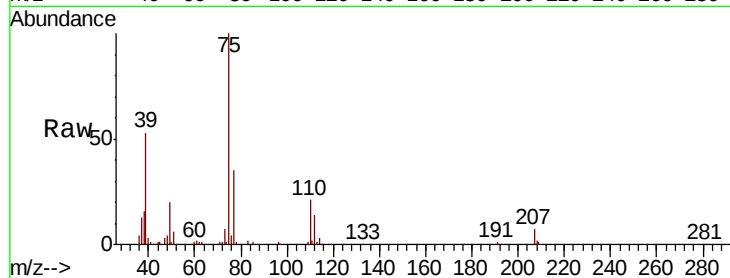
75 100

77 33.2 26.2 39.4

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10/18/2019 3:25:56 PM



#54

cis-1,3-Dichloropropene

Concen: 21.664 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

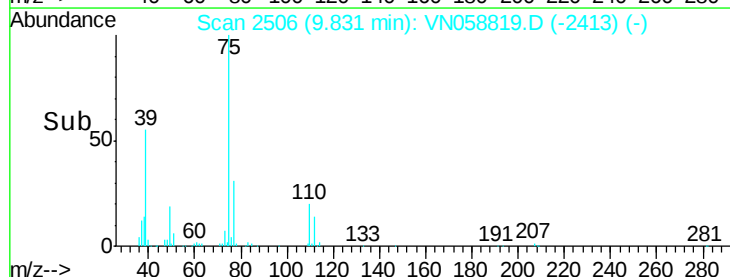
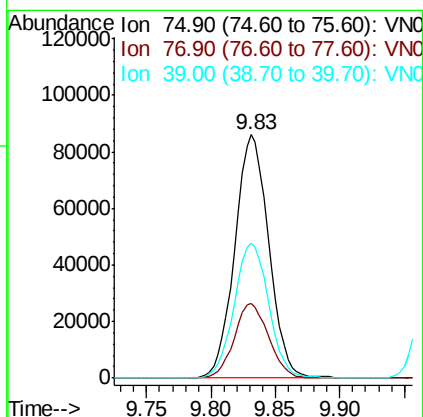
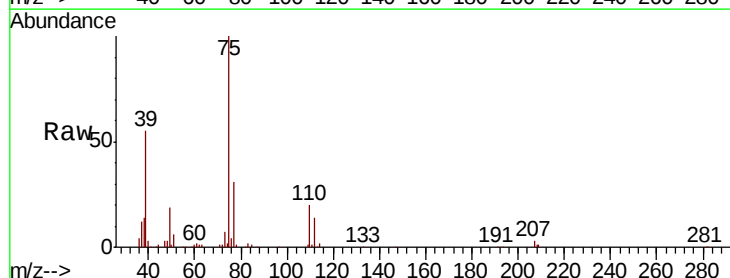
Tgt Ion: 75 Resp: 157707

Ion Ratio Lower Upper

75 100

77 30.6 24.4 36.6

39 55.4 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 21.010 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

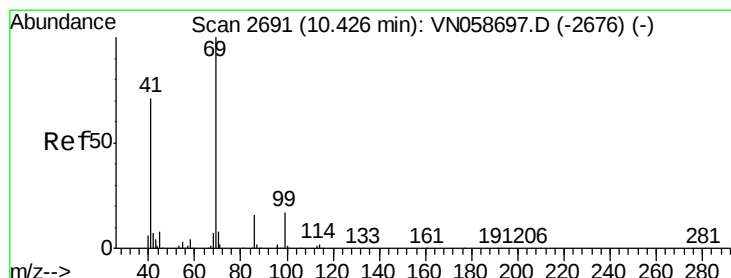
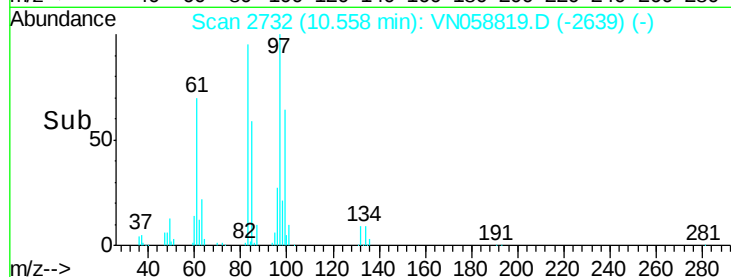
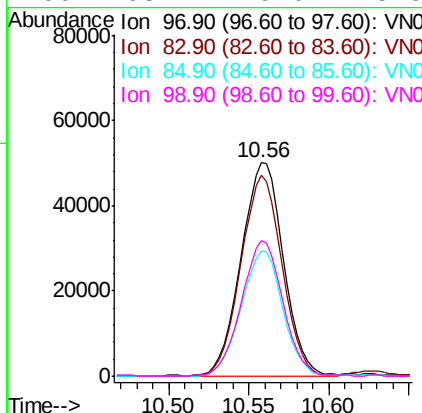
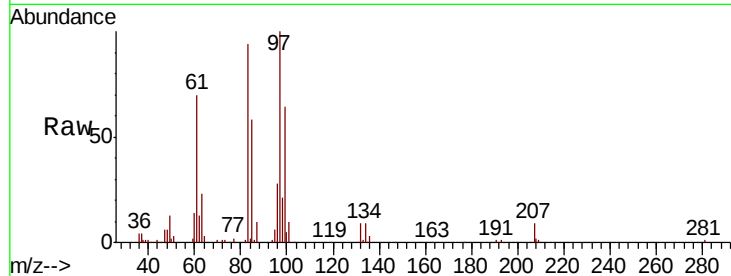
VN1017WBS01

Tot Ion	97	Resp	90971
Ion	Ratio	Lower	Upper
97	100		
83	94.2	71.2	106.8
85	58.5	46.7	70.1
99	63.7	49.0	73.6

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#56

Ethyl methacrylate

Concen: 21.645 ug/l

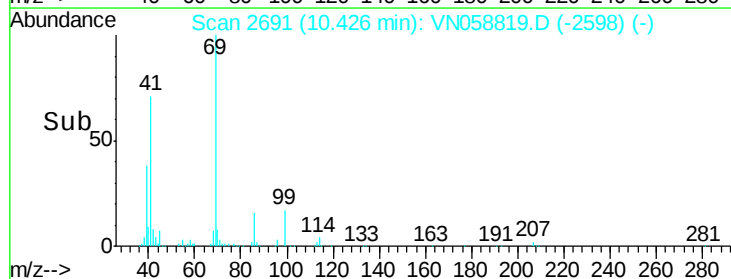
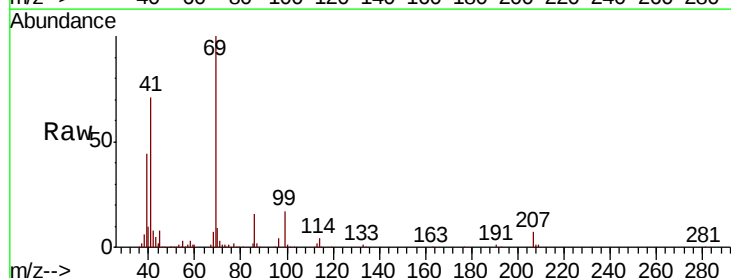
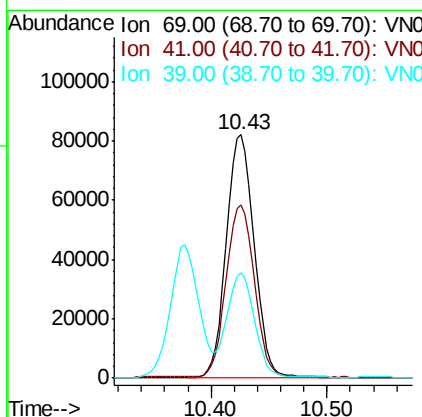
RT: 10.43 min Scan# 2691

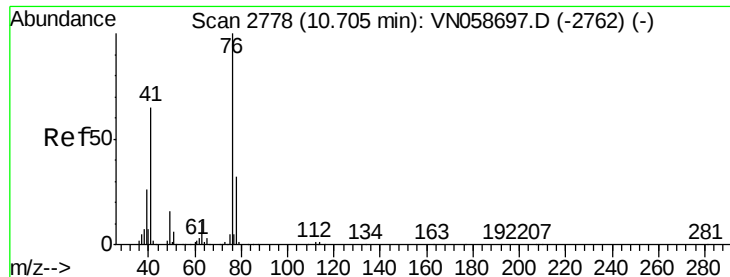
Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion	69	Resp	136918
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.8	85.2
39	41.8	32.5	48.7





#57

1,3-Dichloropropane

Concen: 21.899 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN1017WBS01

Tot Ion: 76 Resp: 161578

Ion Ratio Lower Upper

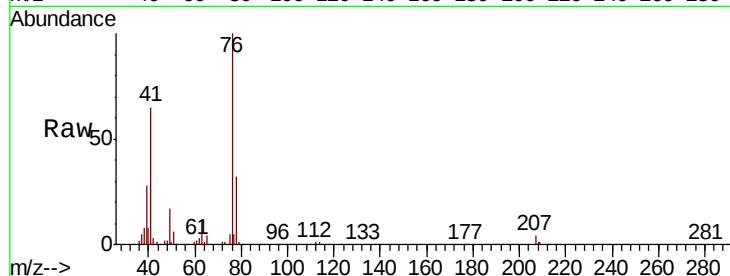
76 100

78 32.3 25.9 38.9

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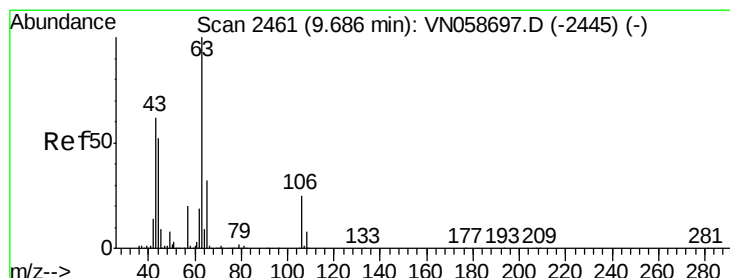
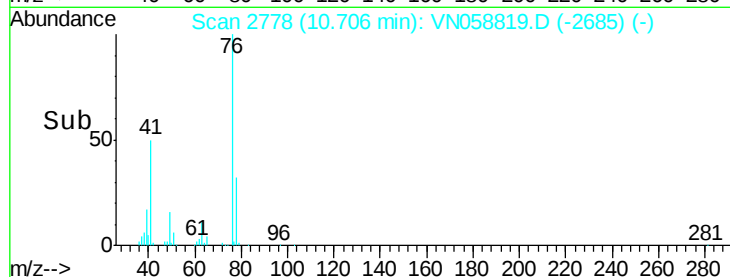
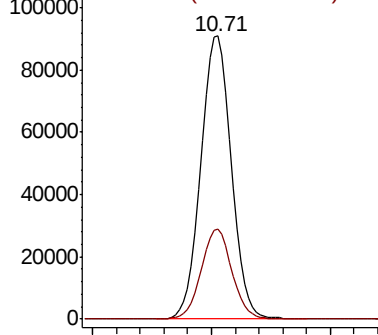
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 105.430 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058819.D

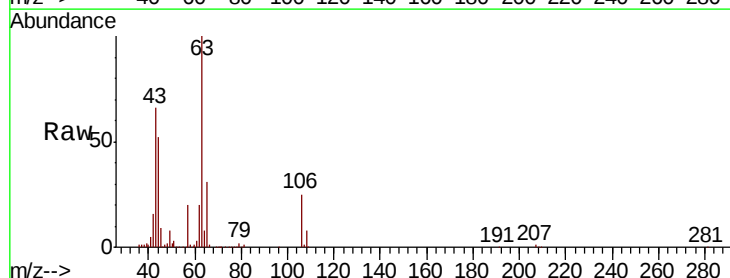
Acq: 17 Oct 2019 12:13

Tgt Ion: 63 Resp: 321399

Ion Ratio Lower Upper

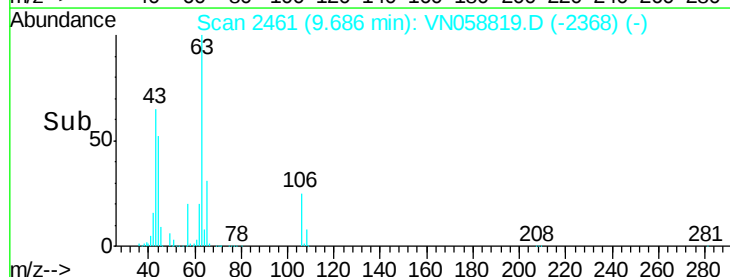
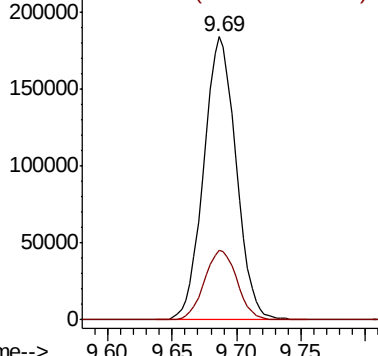
63 100

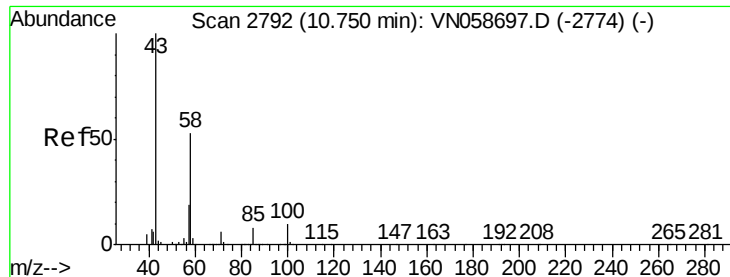
106 24.9 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59
2-Hexanone
Concen: 120.332 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

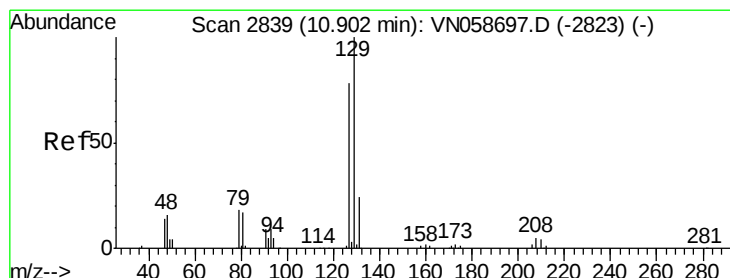
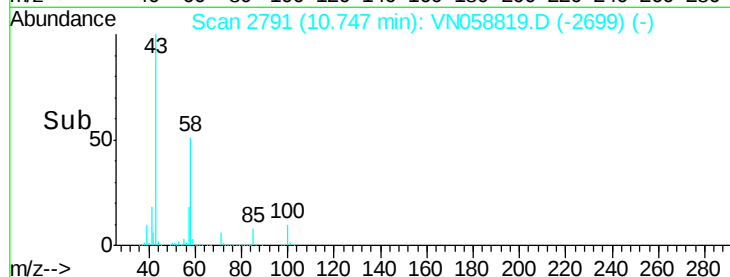
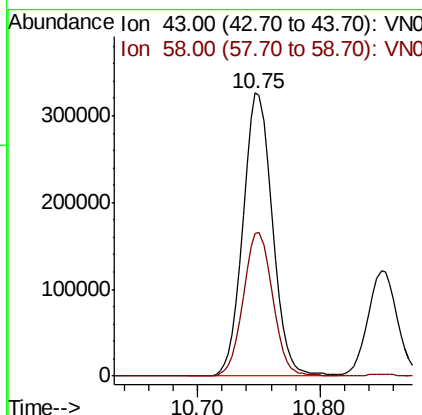
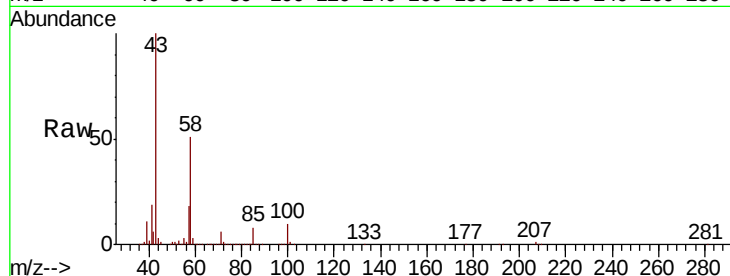
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.9	26.1	78.3

Manual Integrations
APPROVED

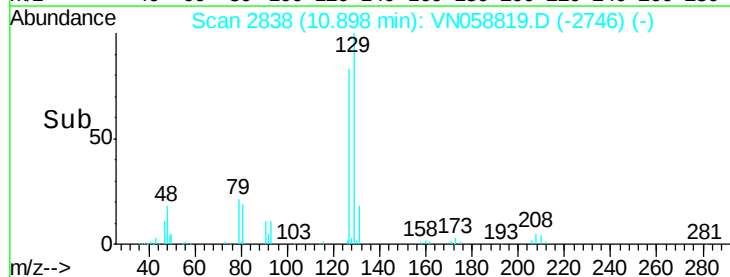
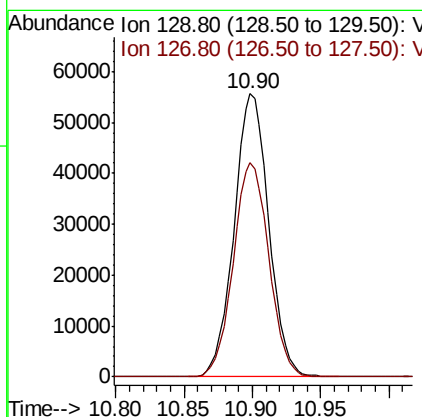
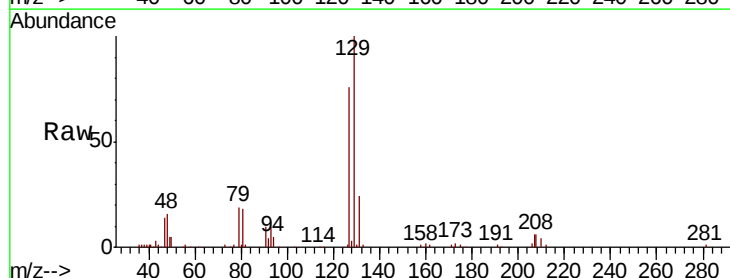
MM Dadoda

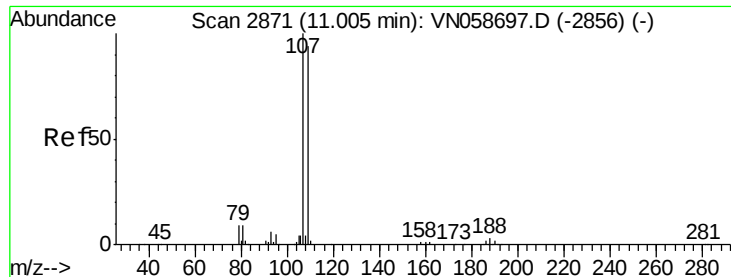
10/18/2019 3:25:56 PM



#60
Dibromochloromethane
Concen: 21.964 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.3





#61
 1,2-Dibromoethane
 Concen: 21.356 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

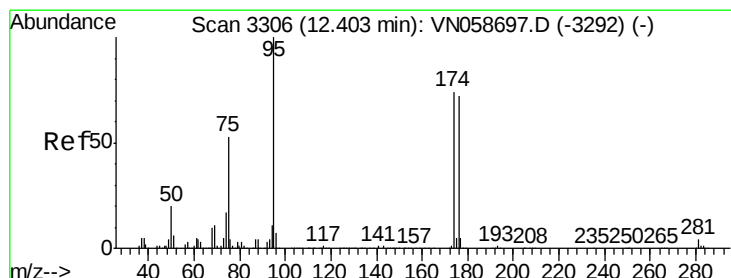
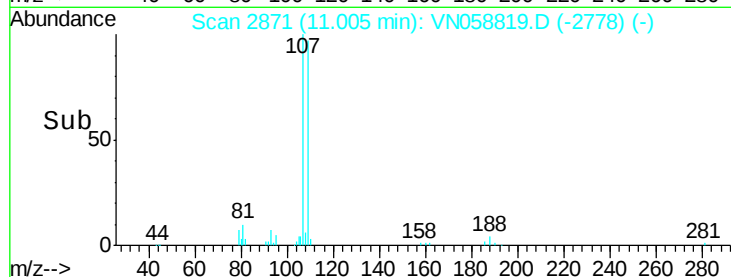
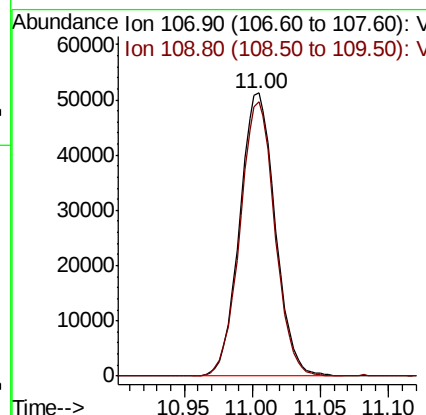
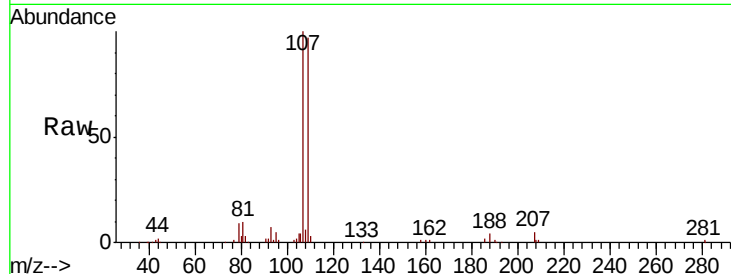
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBS01

Tot Ion: 107 Resp: 92641
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.4 113.0

Manual Integrations
 APPROVED

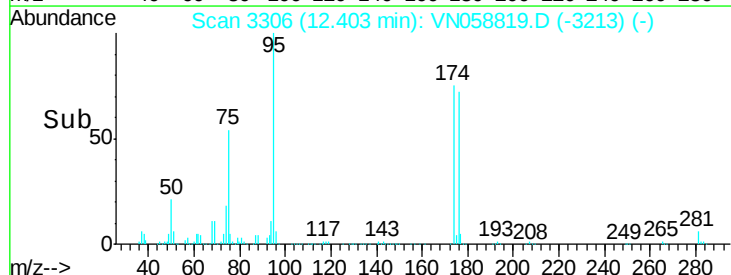
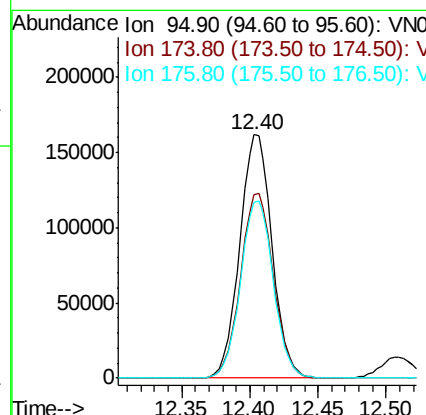
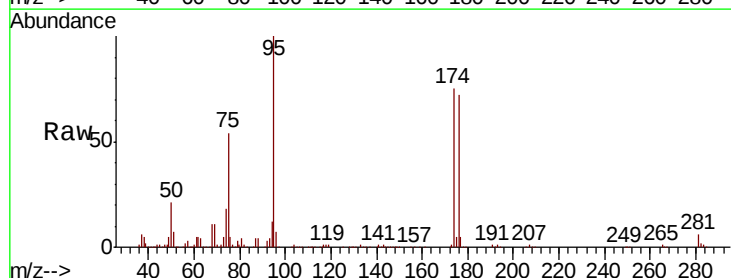
MM Dadoda

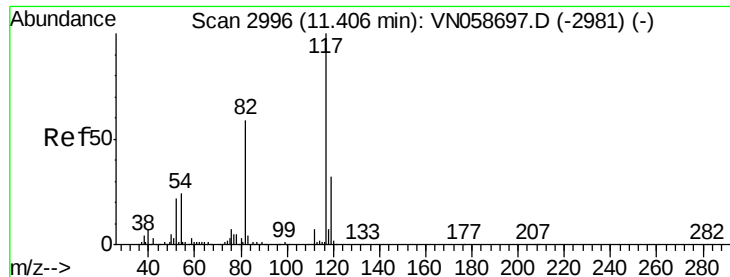
10/18/2019 3:25:56 PM



#62
 4-Bromofluorobenzene
 Concen: 47.767 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion: 95 Resp: 266026
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 150.4
 176 73.9 0.0 146.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

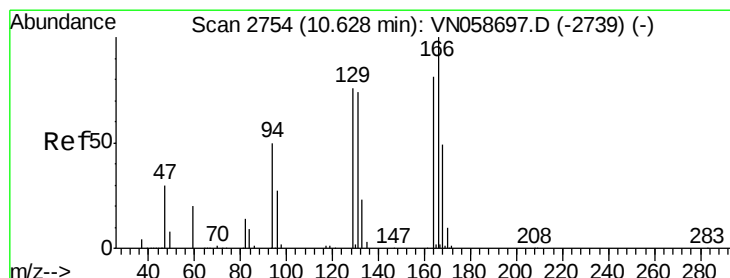
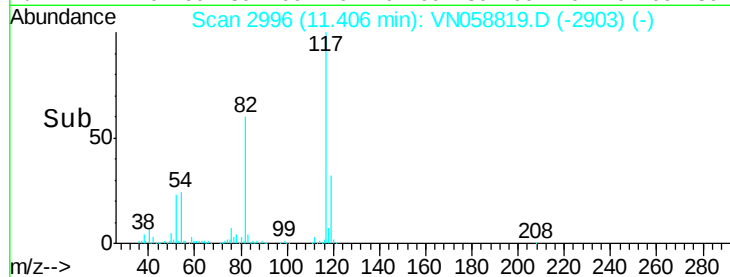
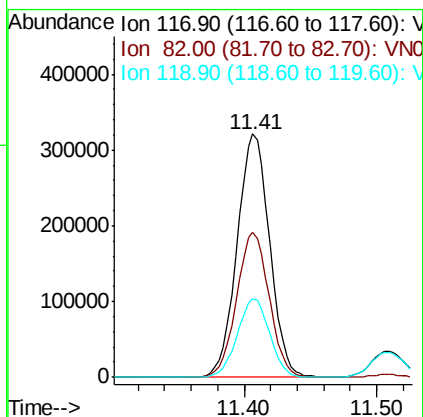
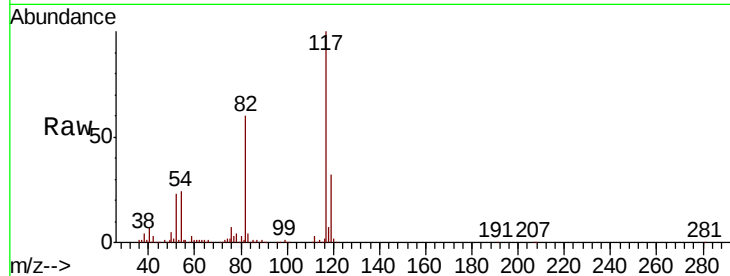
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.0	70.4
119	32.5	25.4	38.2

Manual Integrations
APPROVED

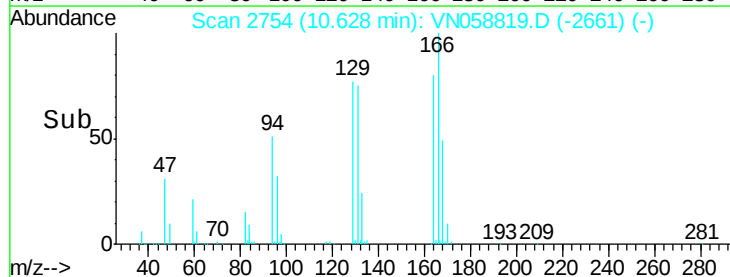
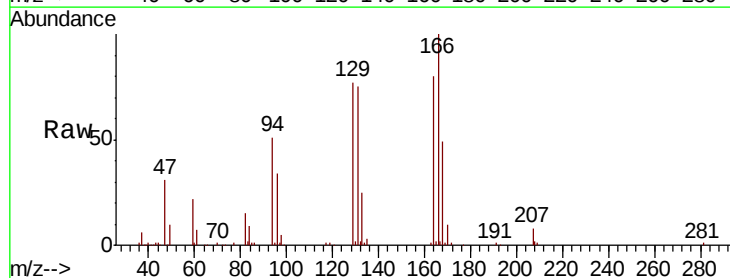
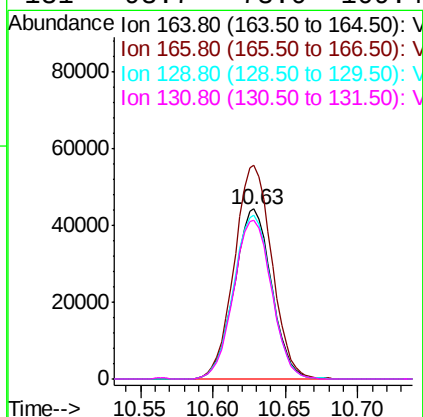
MMDadoda

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#64
Tetrachloroethene
Concen: 20.728 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	99.3	148.9
129	96.4	75.2	112.8
131	93.7	73.0	109.4





#65
Chlorobenzene
Concen: 21.248 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

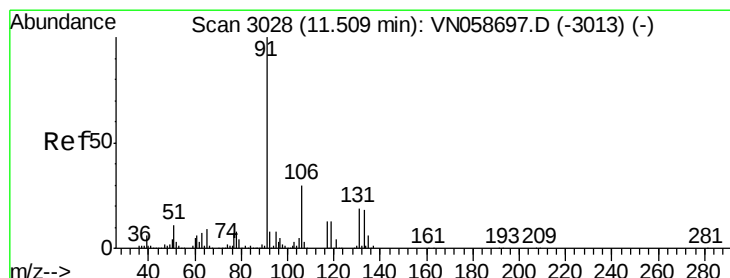
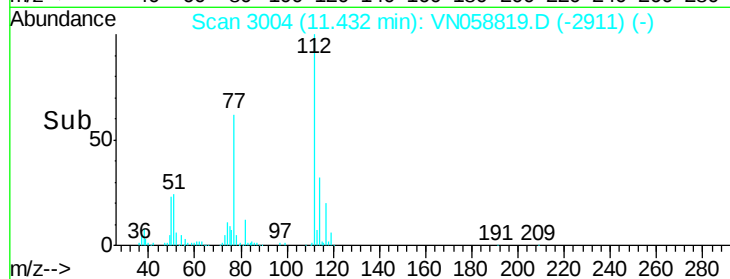
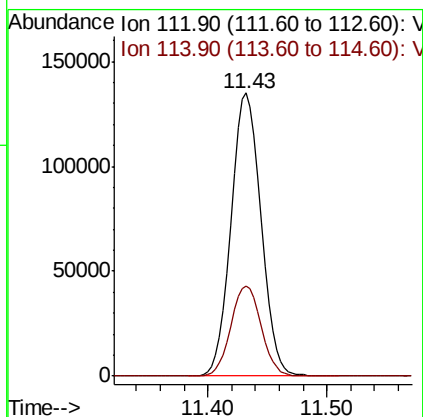
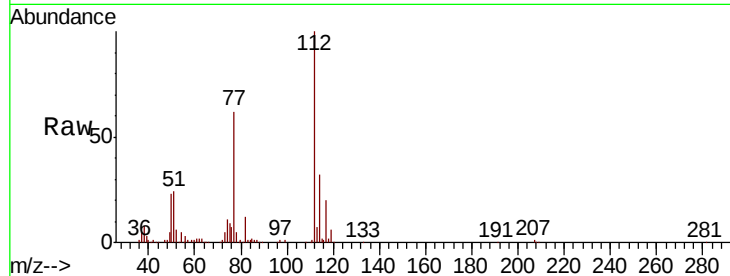
Instrument :
MSVOA_N
ClientSampled :
VN1017WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.2	37.8

Manual Integrations
APPROVED

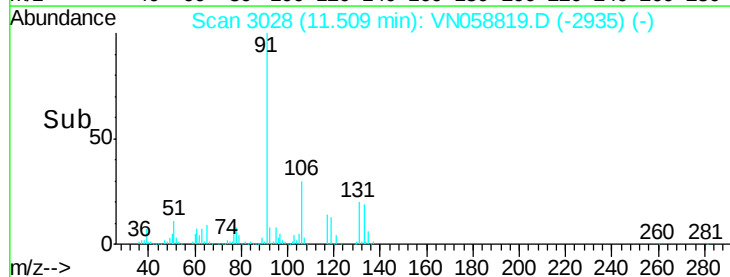
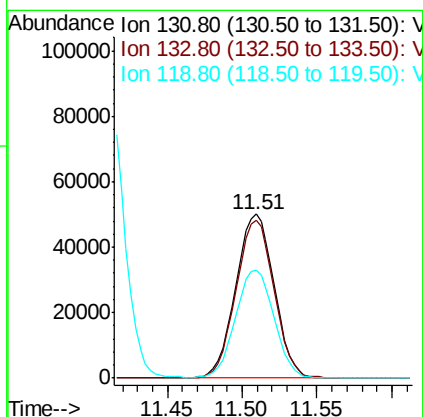
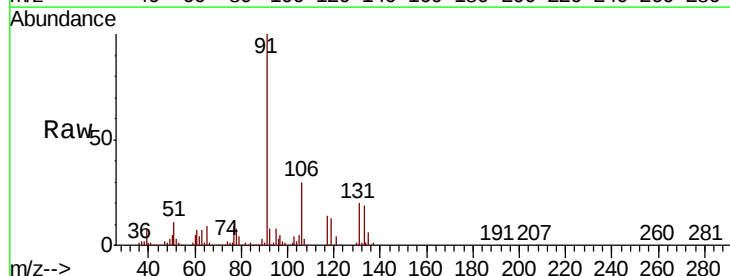
MMMadoda

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#66
1,1,1,2-Tetrachloroethane
Concen: 21.819 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.6	142.9
119	66.0	33.0	98.9





#67

Ethyl Benzene

Concen: 21.548 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN1017WBS01

Tot Ion: 91 Resp: 426899

Ion Ratio Lower Upper

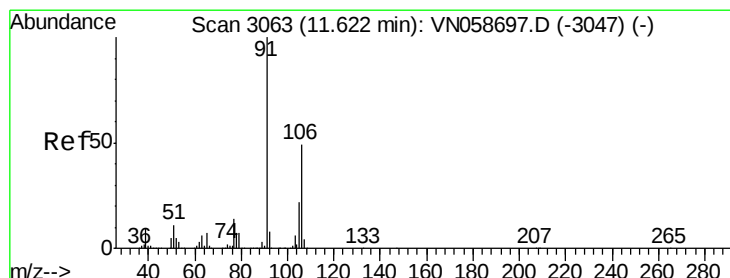
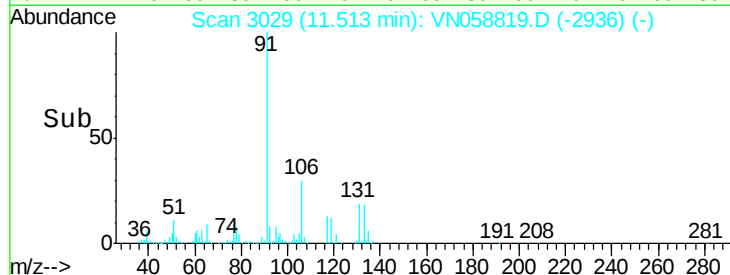
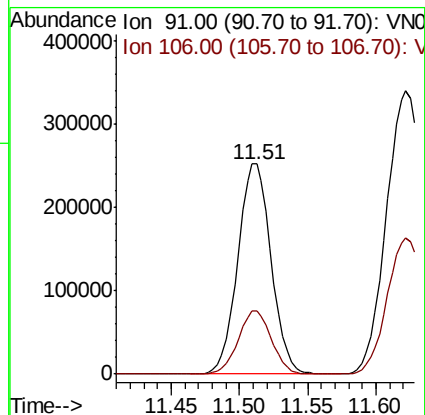
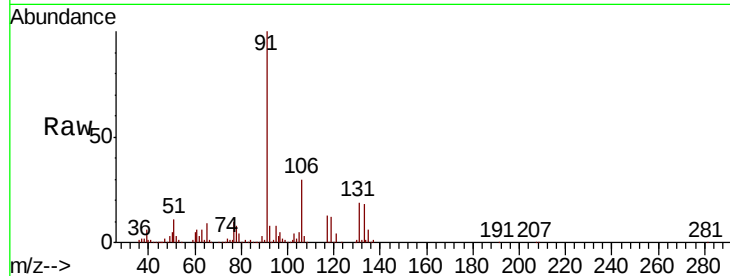
91 100

106 30.2 24.1 36.1

Manual Integrations
APPROVED

MM Dadoda

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#68

m/p-Xylenes

Concen: 41.796 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058819.D

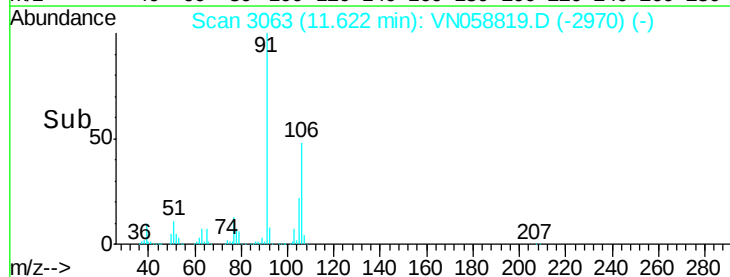
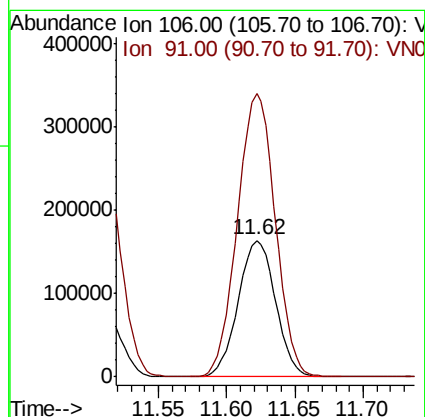
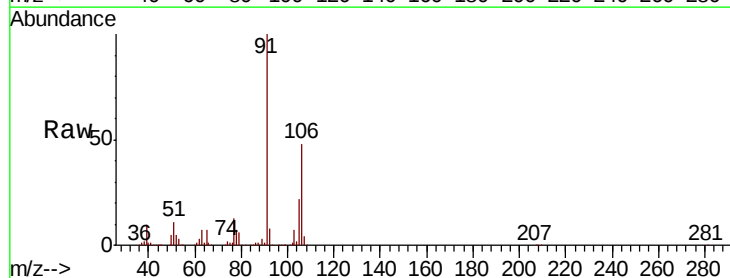
Acq: 17 Oct 2019 12:13

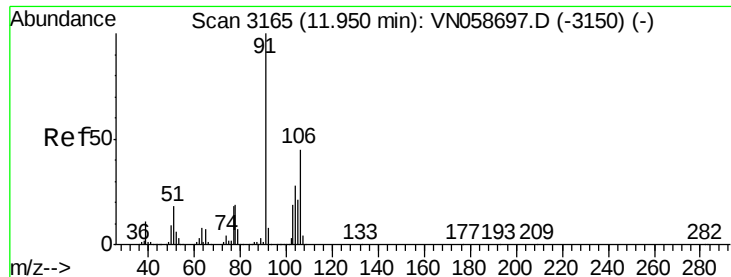
Tgt Ion: 106 Resp: 310750

Ion Ratio Lower Upper

106 100

91 210.5 165.7 248.5





#69

o-Xylene

Concen: 20.719 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN1017WBS01

Tot Ion:106 Resp: 149041

Ion Ratio Lower Upper

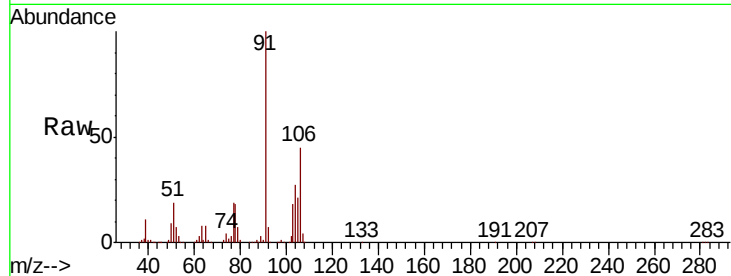
106 100

91 223.8 110.9 332.9

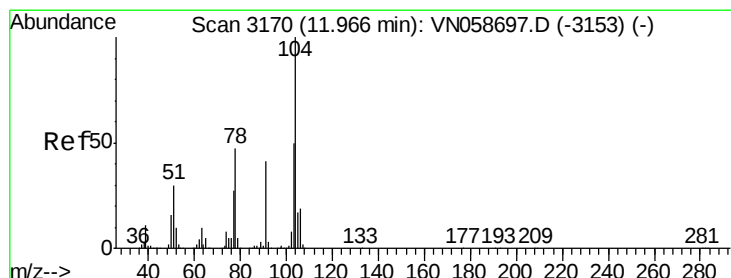
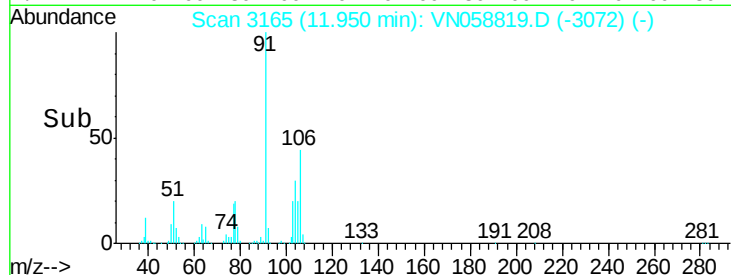
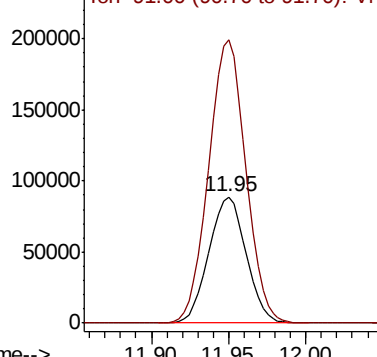
Manual Integrations
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Abundance Ion 106.00 (105.70 to 106.70): V



#70

Styrene

Concen: 20.287 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

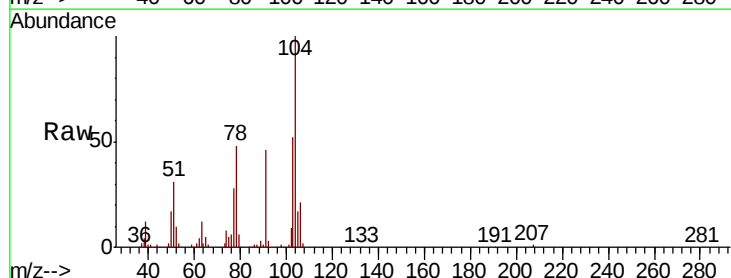
Tgt Ion:104 Resp: 239182

Ion Ratio Lower Upper

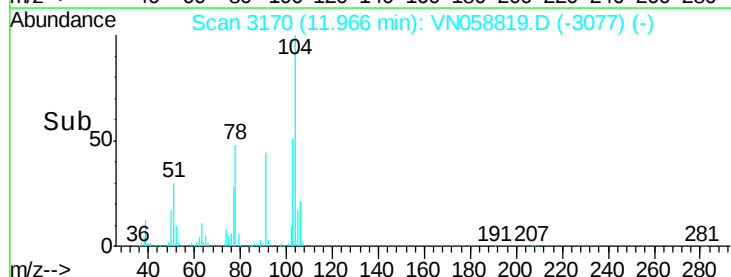
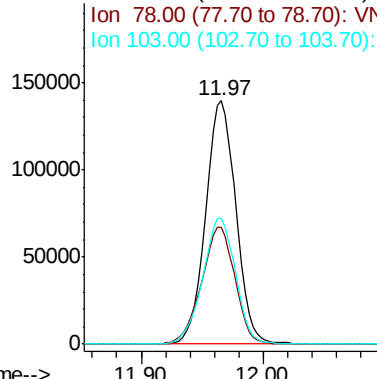
104 100

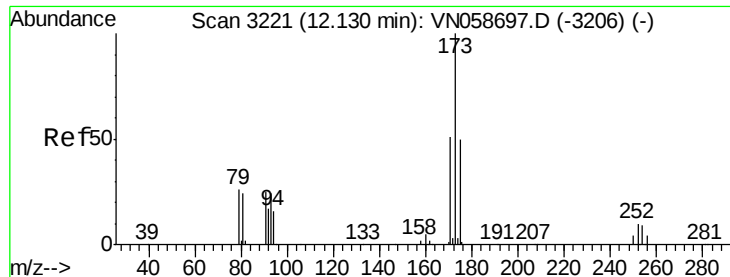
78 53.3 42.2 63.2

103 56.2 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V





#71

Bromoform

Concen: 22.455 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

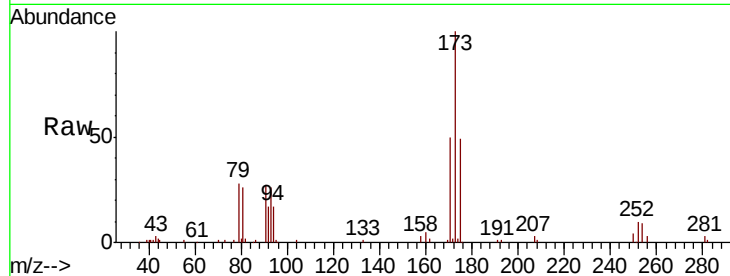
VN1017WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.0	0.1	0.1

Manual Integrations
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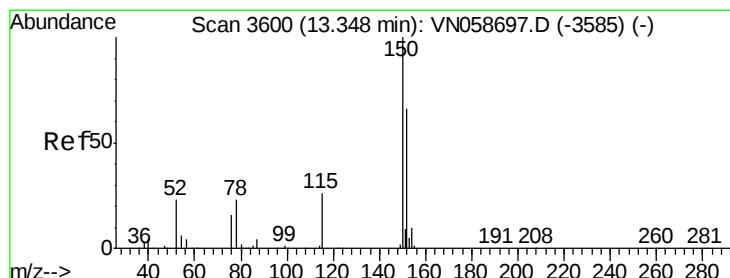
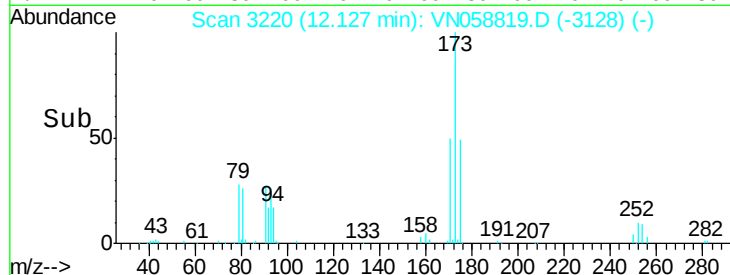
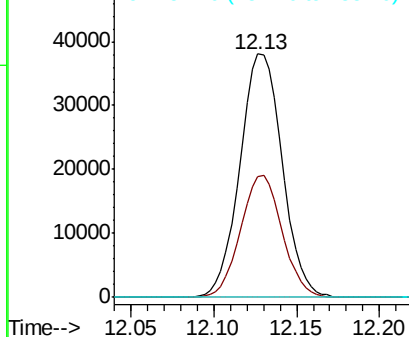


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

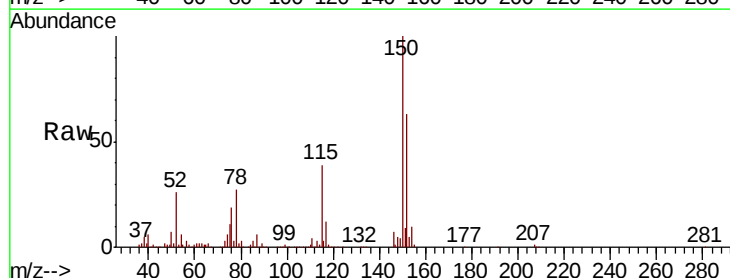
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.4	91.2
150	164.5	0.0	345.4

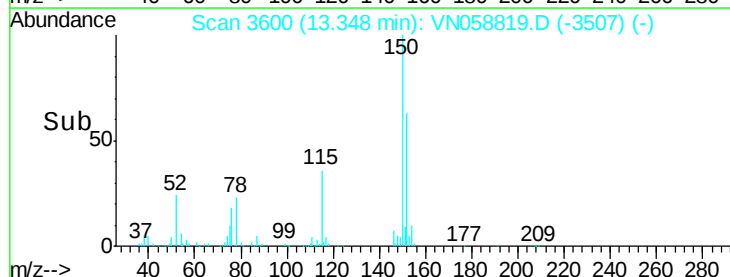
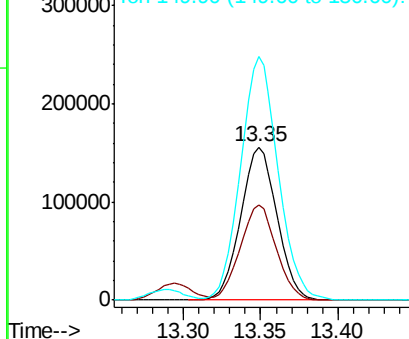


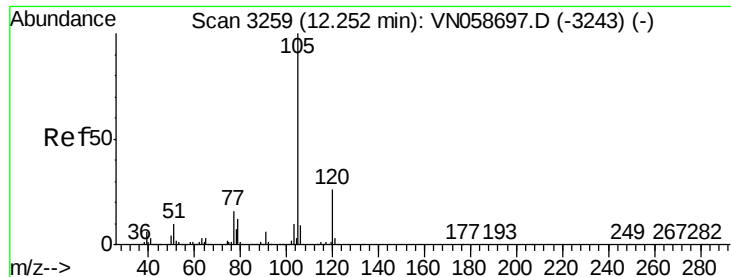
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.308 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN1017WBS01

Tot Ion: 105 Resp: 410760

Ion Ratio Lower Upper

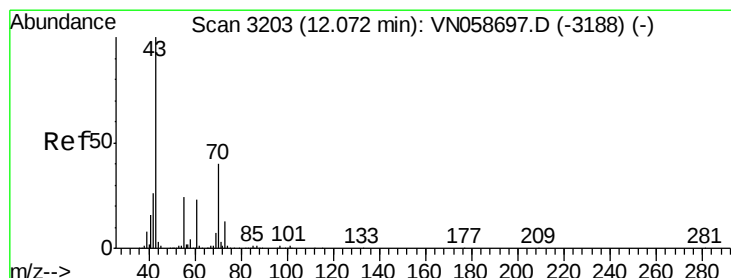
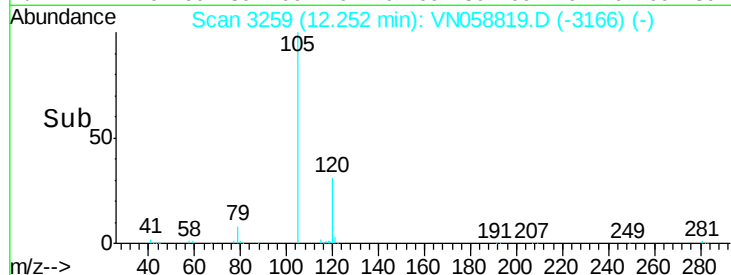
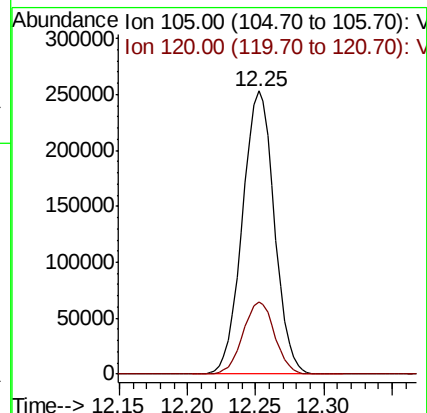
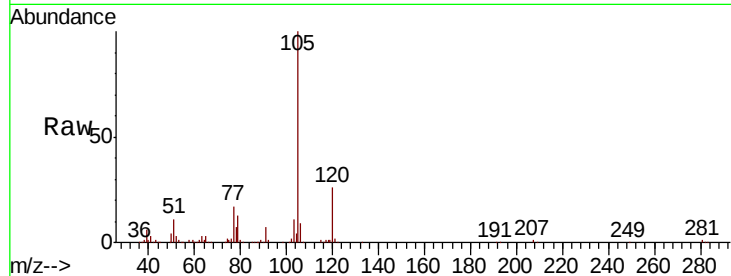
105 100

120 25.5 13.1 39.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.485 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion: 43 Resp: 185958

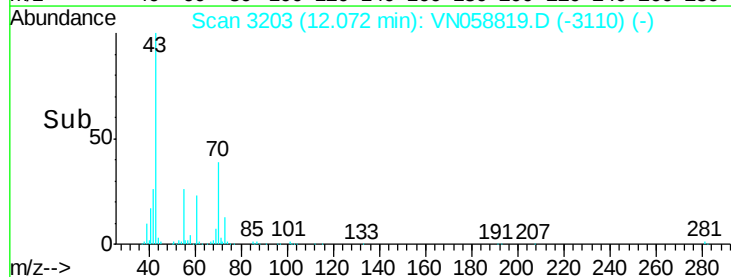
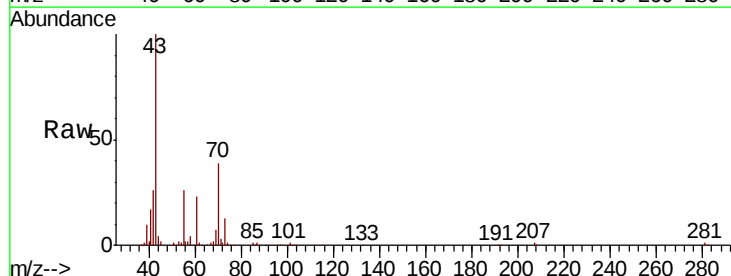
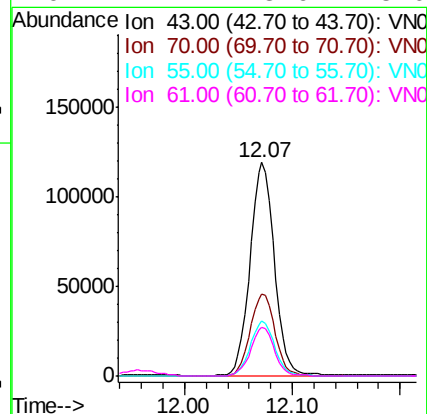
Ion Ratio Lower Upper

43 100

70 39.3 32.2 48.4

55 25.7 19.6 29.4

61 22.4 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.304 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

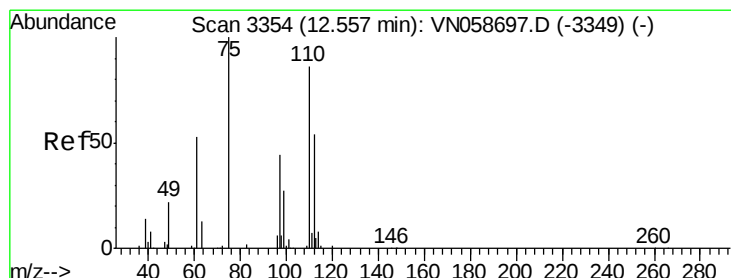
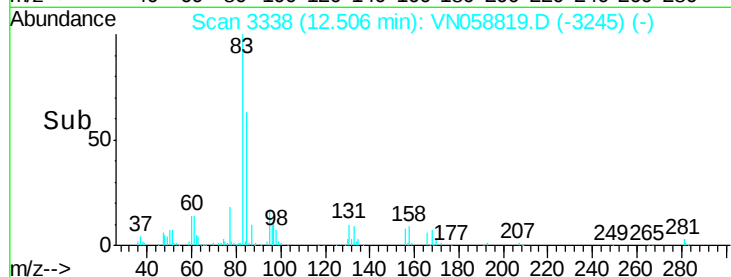
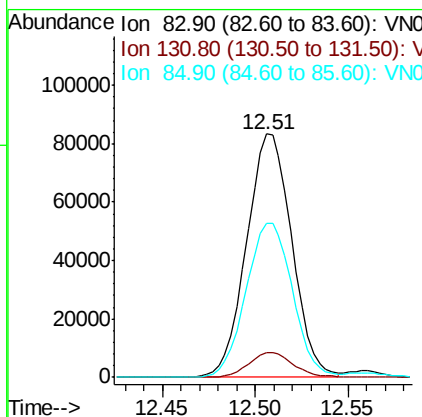
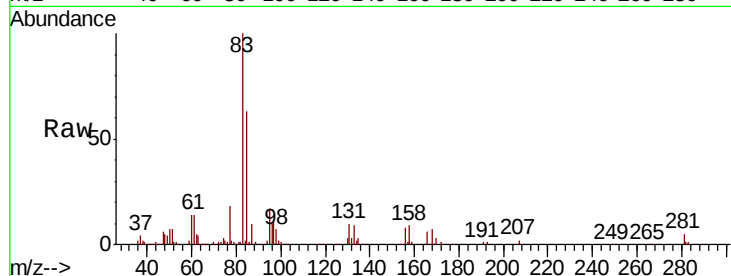
VN1017WBS01

Tot Ion:	83	Resp:	141360
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.8	14.4
85	65.2	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.211 ug/l m

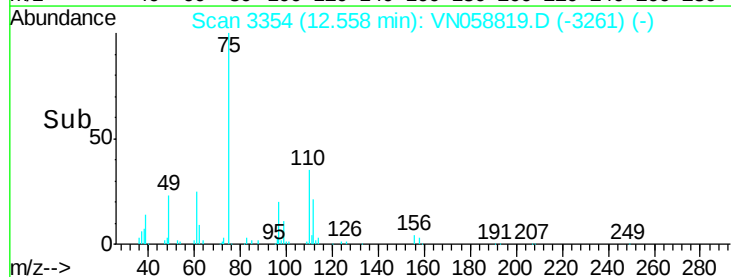
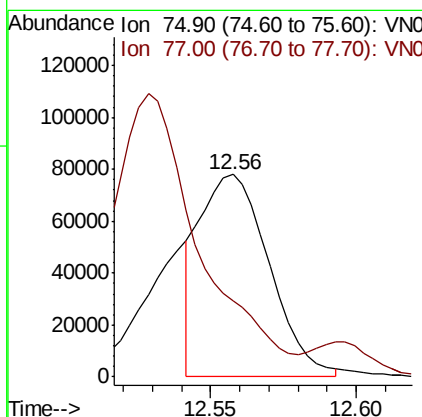
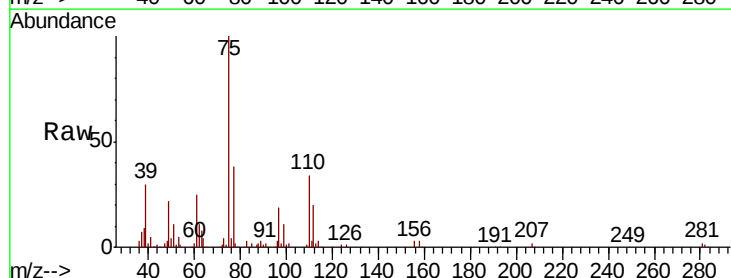
RT: 12.56 min Scan# 3354

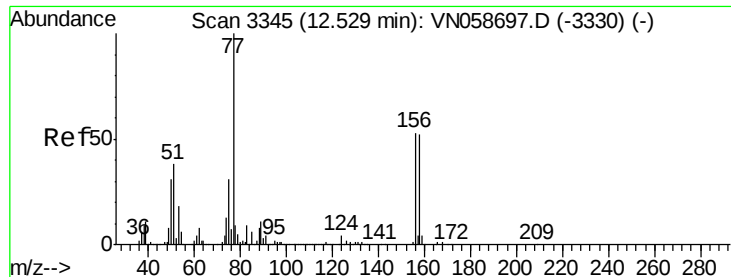
Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion:	75	Resp:	129463
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.891 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

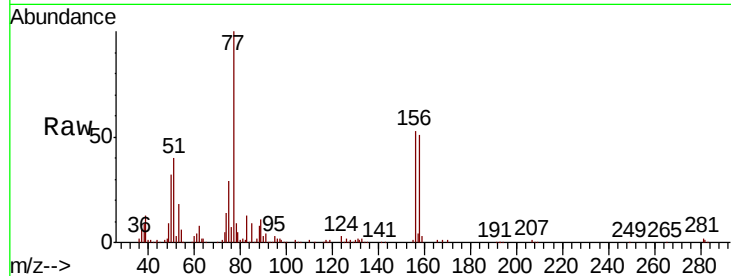
VN1017WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	234.3	115.8	347.3
158	96.2	48.9	146.6

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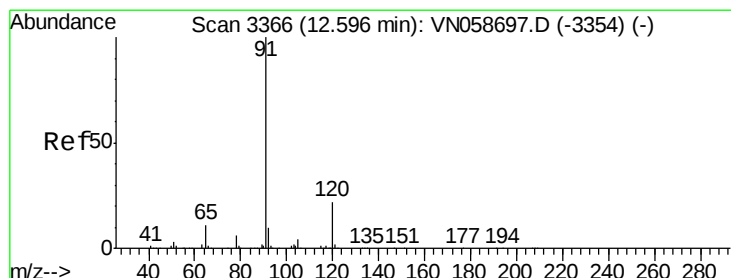
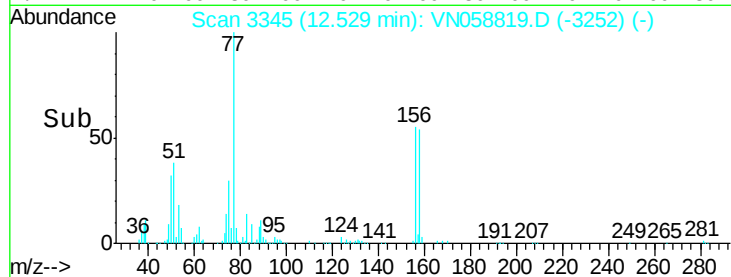
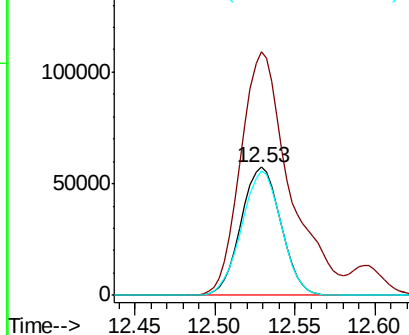
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.370 ug/l

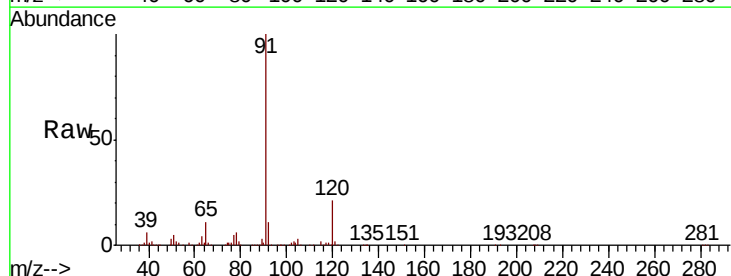
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058819.D

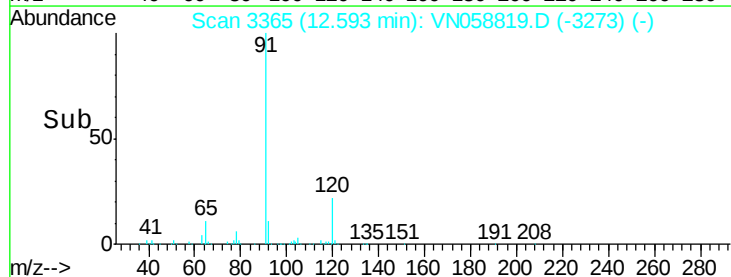
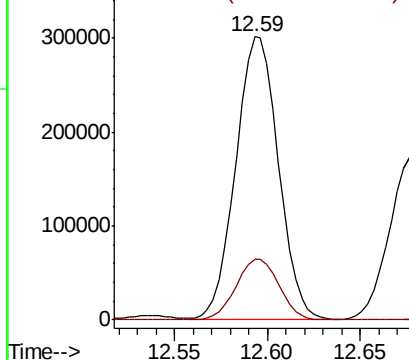
Acq: 17 Oct 2019 12:13

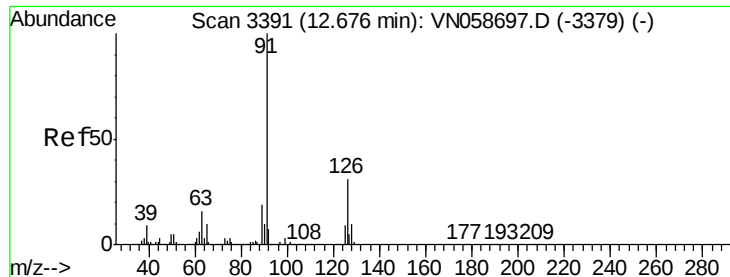
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.570 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBS01

Tot Ion: 91 Resp: 287261

Ion Ratio Lower Upper

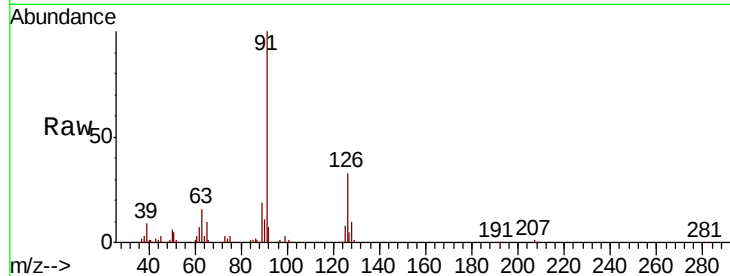
91 100

126 32.8 16.2 48.5

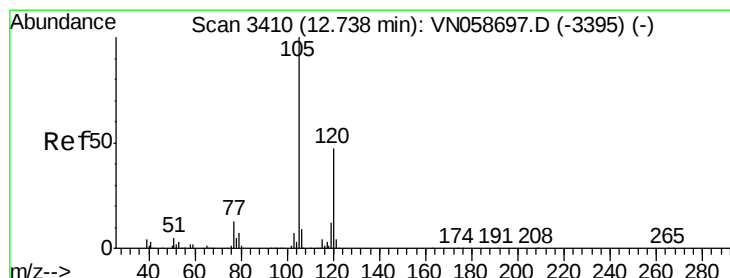
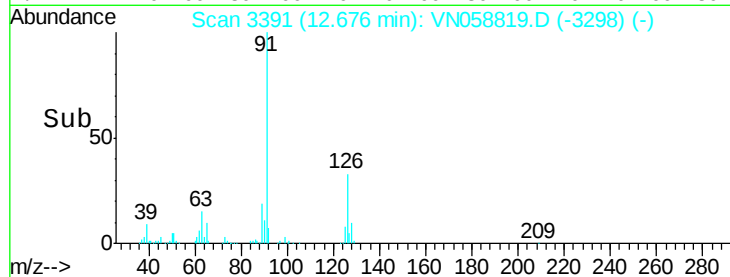
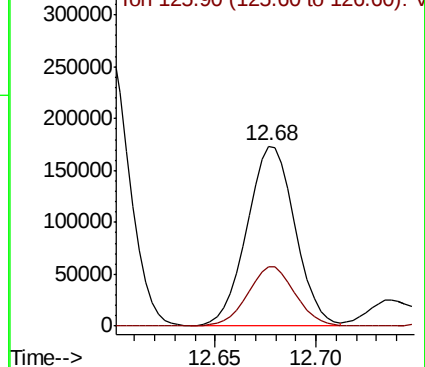
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Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.002 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058819.D

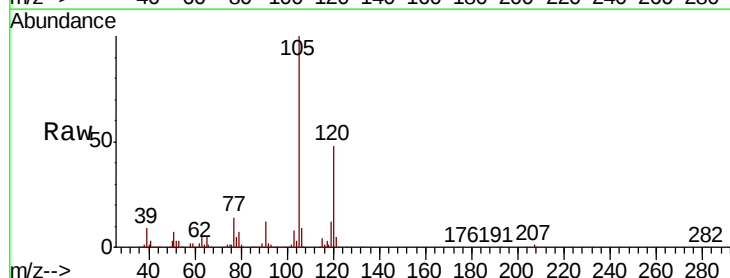
Acq: 17 Oct 2019 12:13

Tgt Ion: 105 Resp: 345876

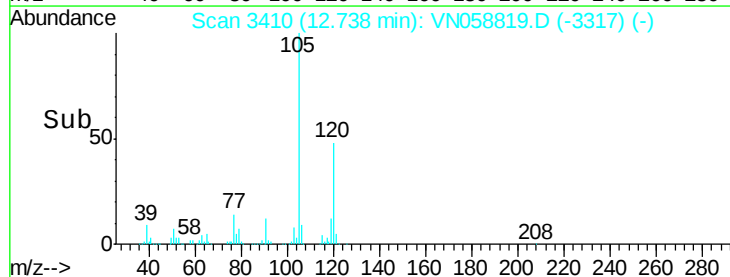
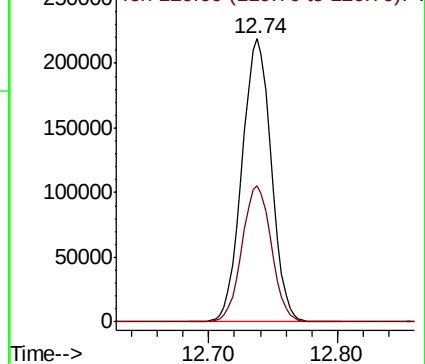
Ion Ratio Lower Upper

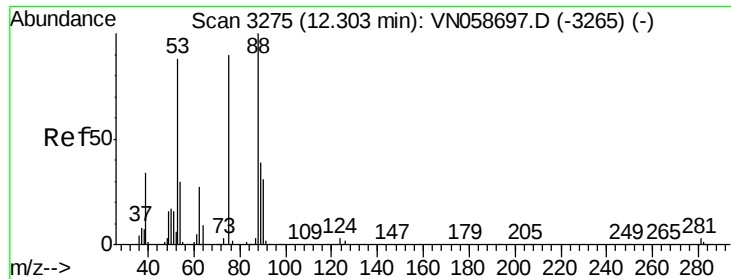
105 100

120 48.4 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.191 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN1017WBS01

Tot Ion: 75 Resp: 46208

Ion Ratio Lower Upper

75 100

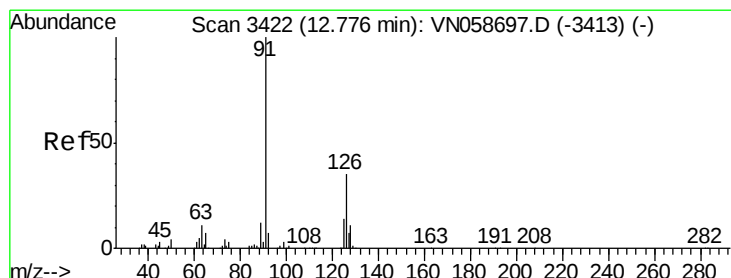
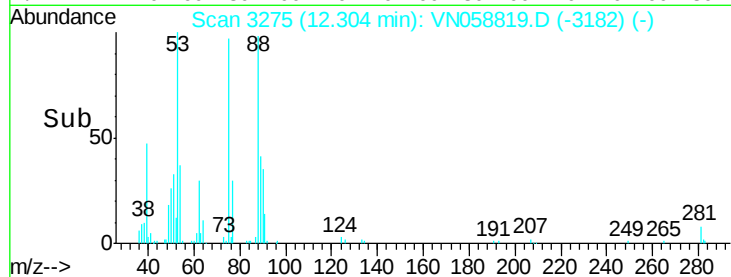
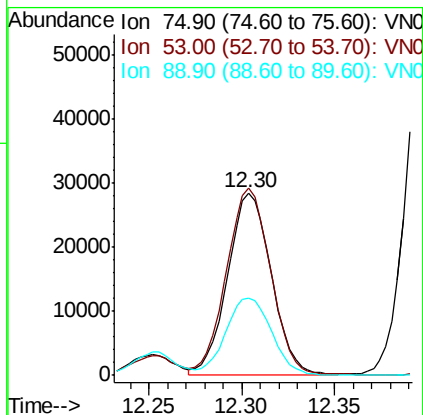
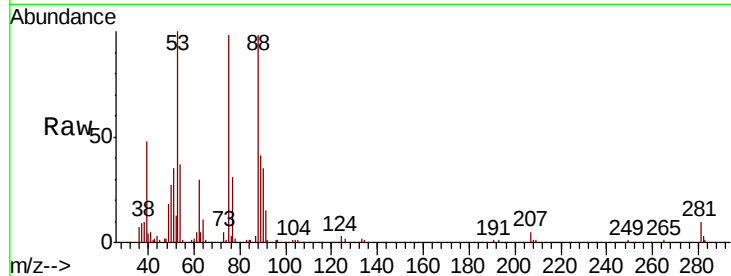
53 105.3 78.4 117.6

89 44.8 34.9 52.3

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#82

4-Chlorotoluene

Concen: 21.323 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058819.D

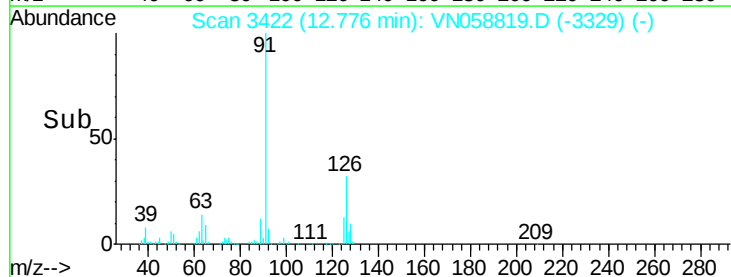
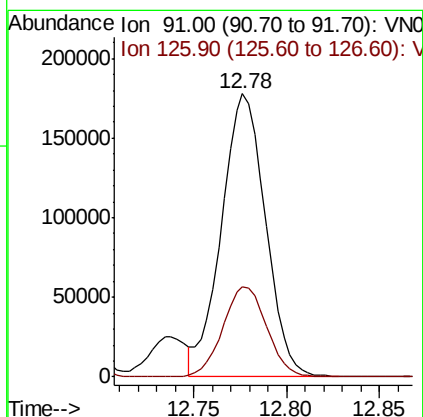
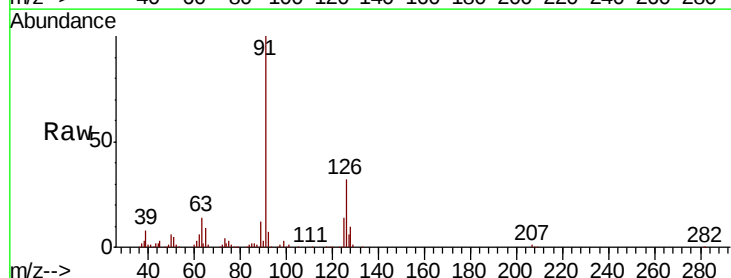
Acq: 17 Oct 2019 12:13

Tgt Ion: 91 Resp: 291397

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.6





#83
 tert-Butylbenzene
 Concen: 21.795 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

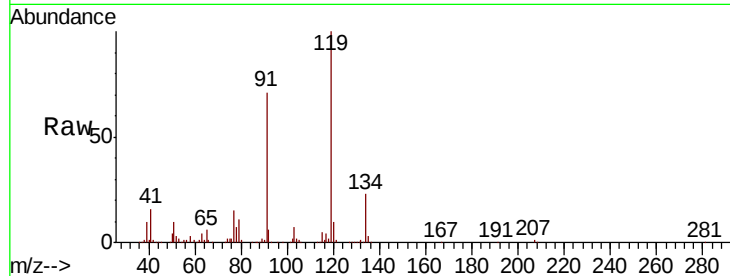
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	33.8	101.3
134	25.5	12.6	37.6

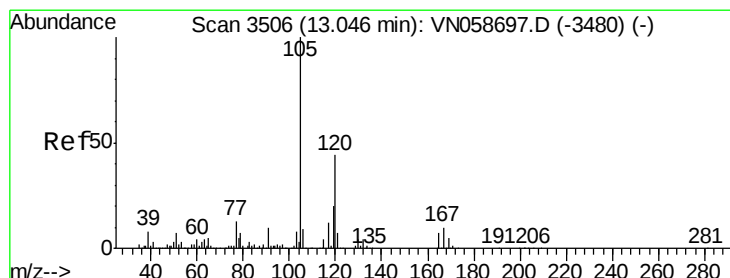
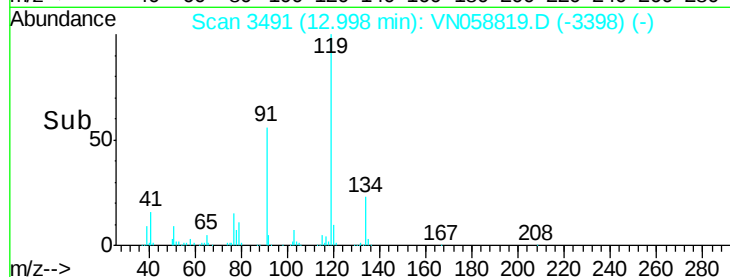
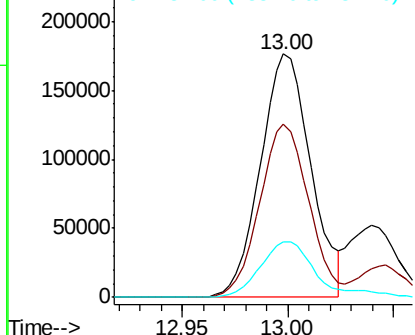
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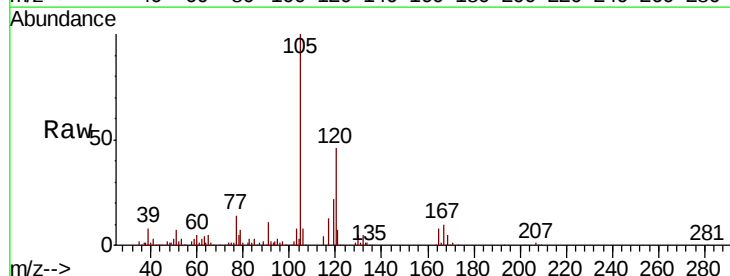


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

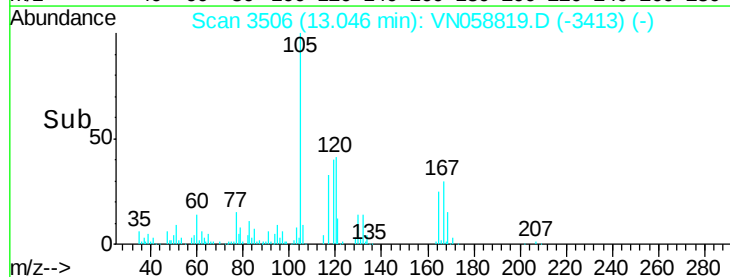
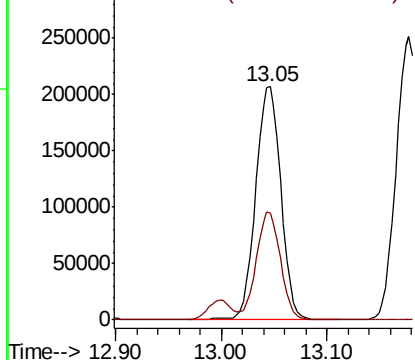


#84
 1,2,4-Trimethylbenzene
 Concen: 22.170 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.9	65.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85
 sec-Butylbenzene
 Concen: 22.293 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

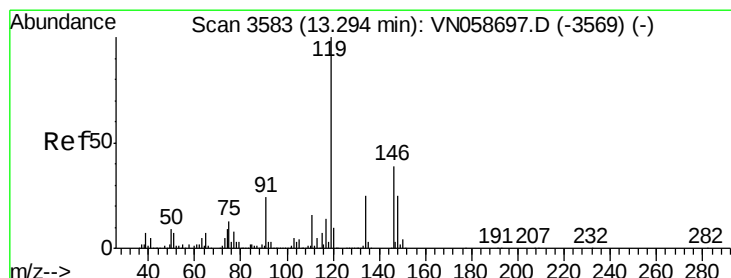
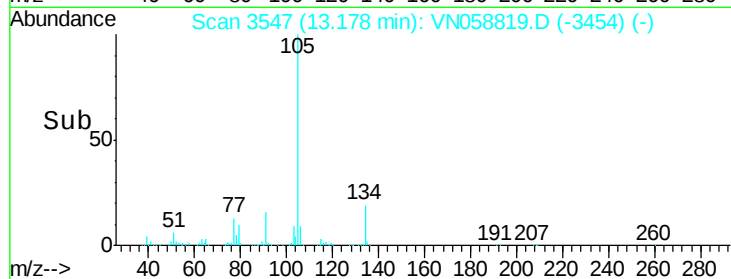
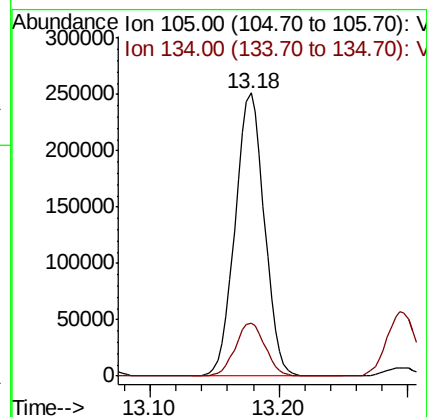
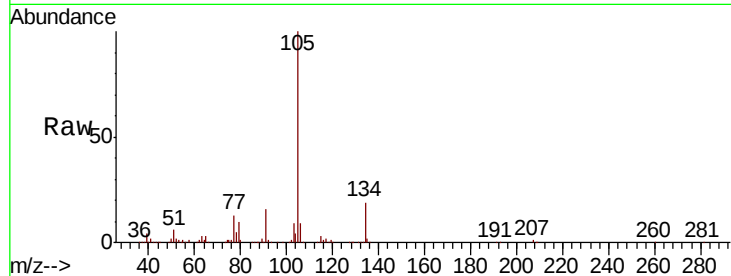
Instrument :
 MSVOA_N
 ClientSampled :
 VN1017WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

Manual Integrations
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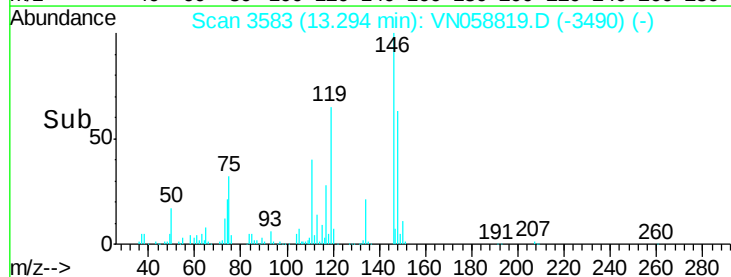
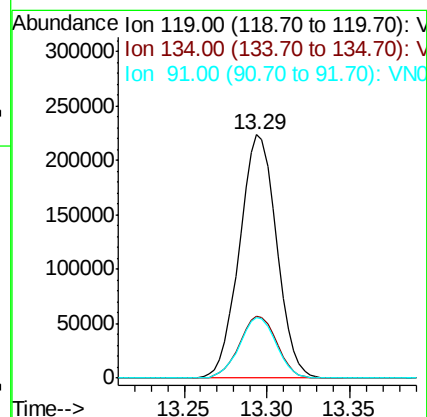
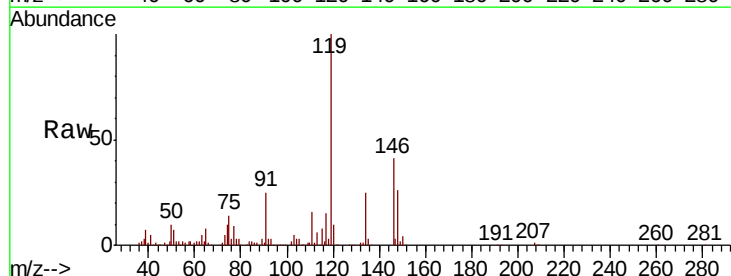
MMMadoda

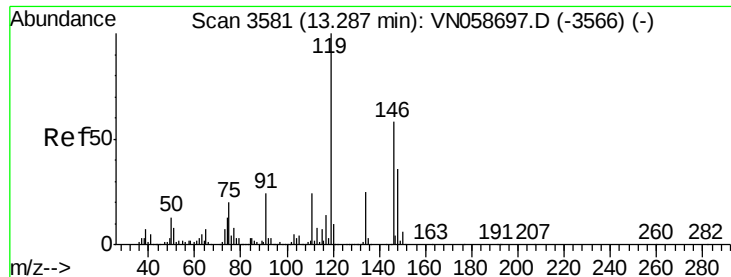
10/18/2019 3:25:56 PM



#86
 p-Isopropyltoluene
 Concen: 21.562 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.7	38.1
91	24.9	11.9	35.5





#87
 1,3-Dichlorobenzene
 Concen: 20.831 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

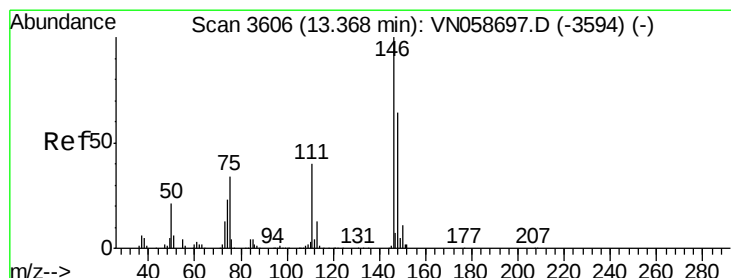
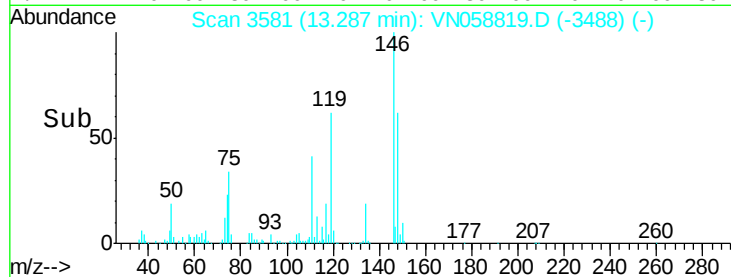
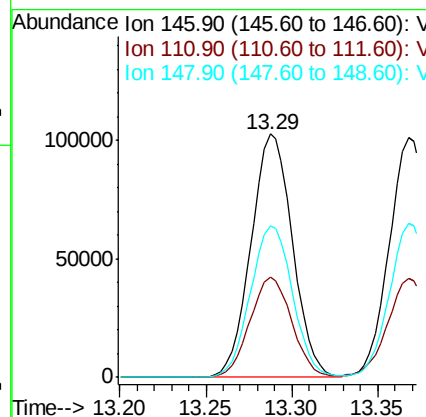
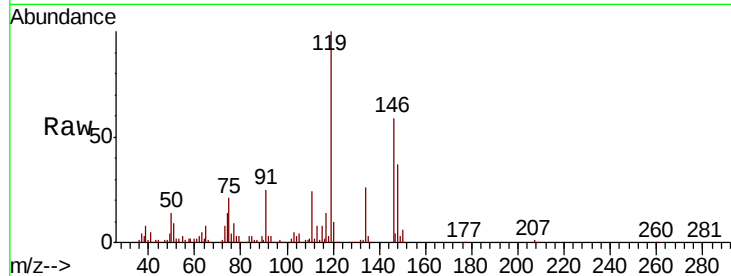
Instrument :
 MSVOA_N
 ClientSampled :
 VN1017WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	63.3	31.3	93.9

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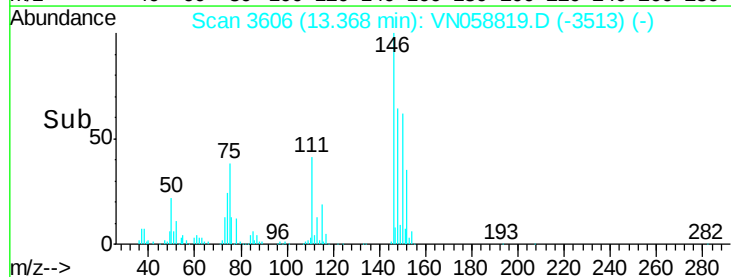
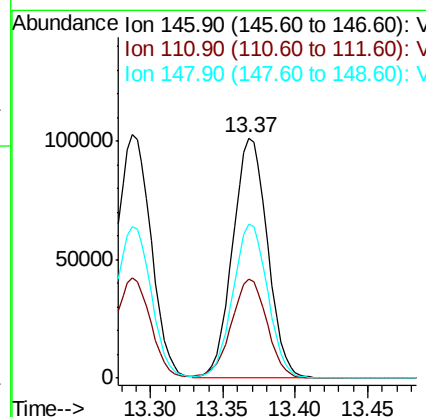
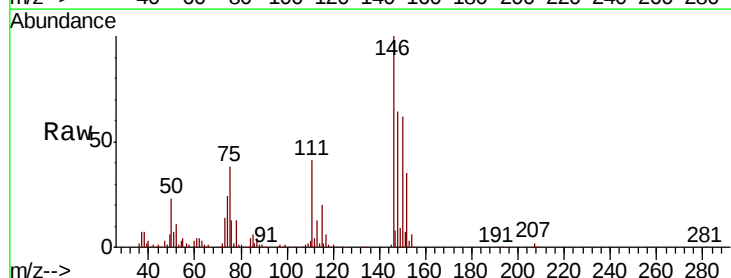
MM Dadoda

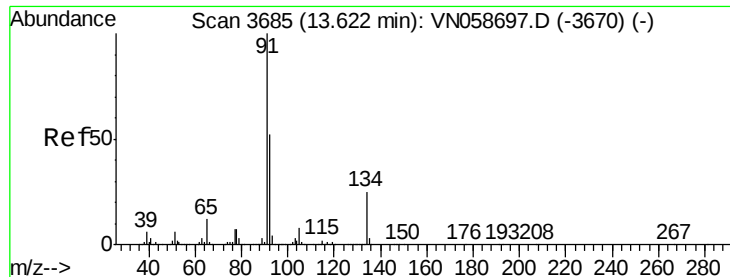
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#88
 1,4-Dichlorobenzene
 Concen: 20.164 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.1	60.2
148	64.1	31.9	95.7





#89
n-Butylbenzene
Concen: 20.298 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

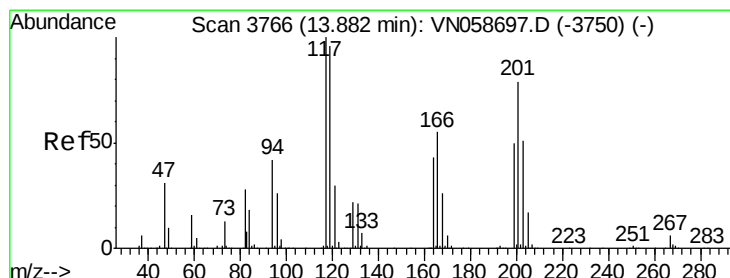
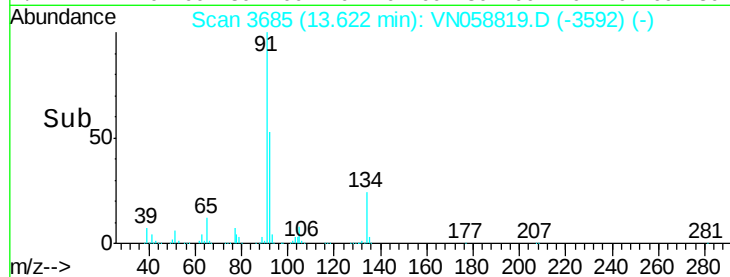
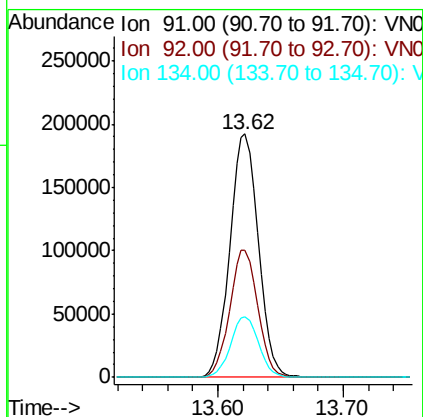
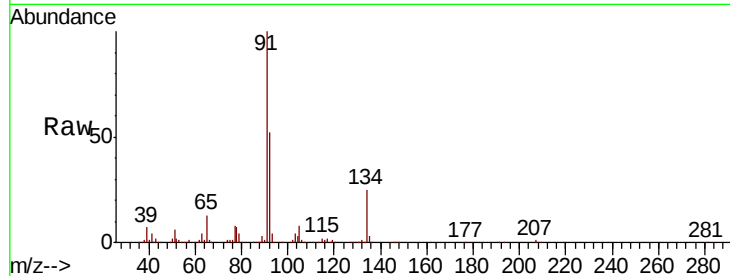
Instrument :
MSVOA_N
ClientSampled :
VN1017WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	24.5	12.2	36.6

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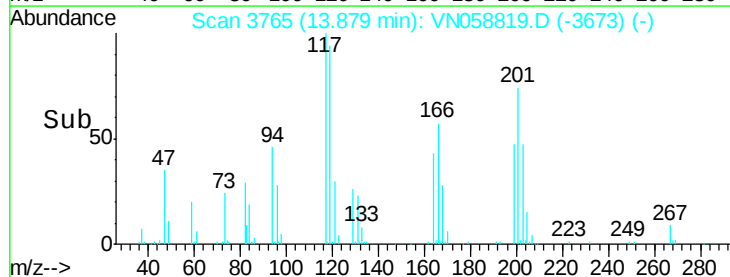
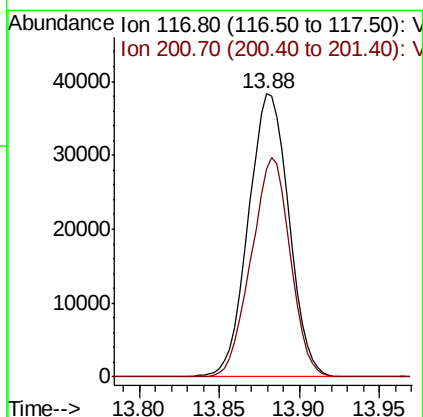
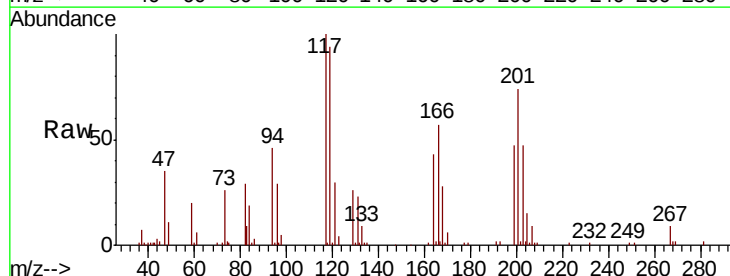
MM Dadoda

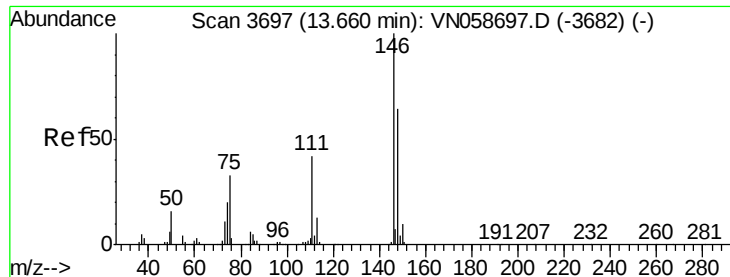
10/18/2019 3:25:56 PM



#90
Hexachloroethane
Concen: 23.056 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	39.6	118.7





#91

1,2-Dichlorobenzene

Concen: 21.035 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

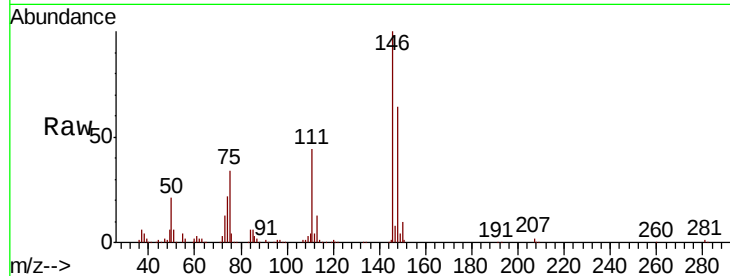
VN1017WBS01

Tot Ion:	146	Resp:	169339
Ion Ratio	Lower	Upper	
146	100		
111	44.6	21.1	63.4
148	64.3	31.8	95.3

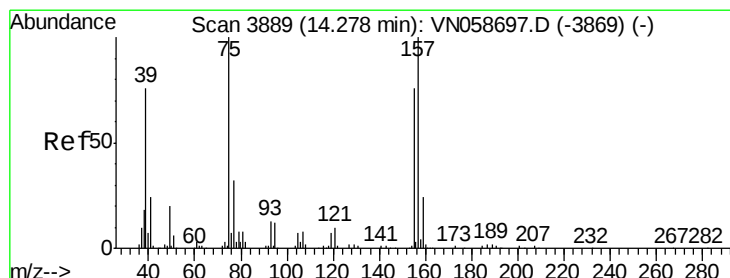
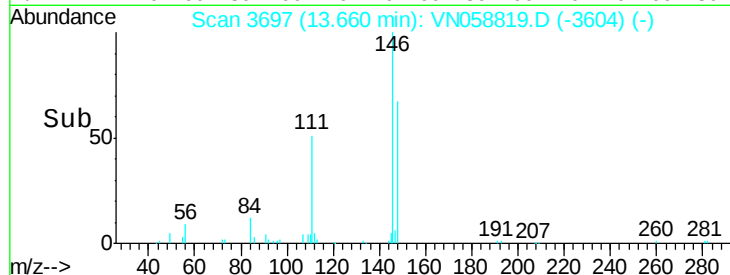
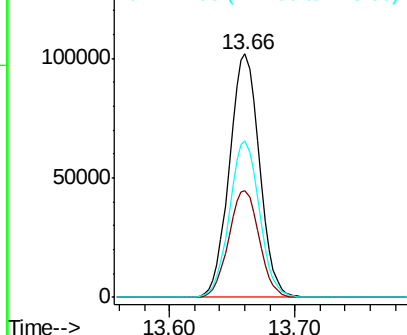
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.451 ug/l

RT: 14.28 min Scan# 3889

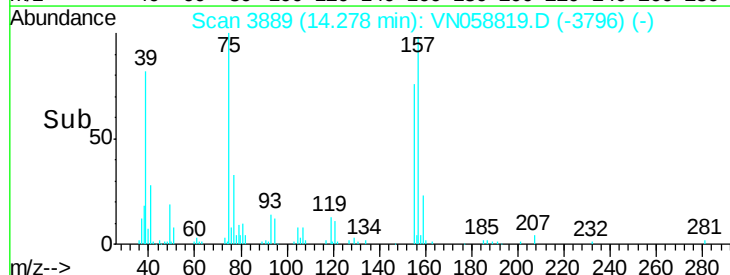
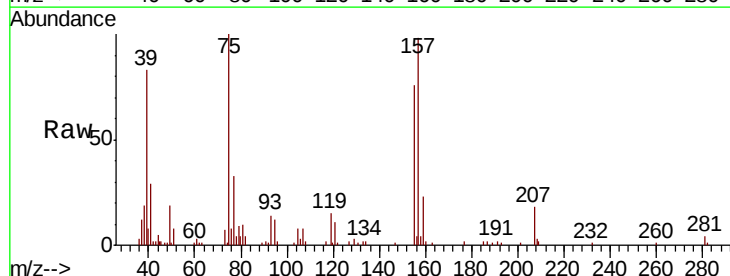
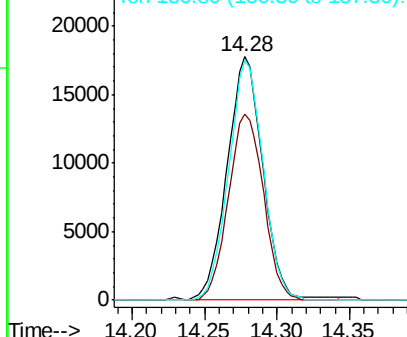
Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion:	75	Resp:	30399
Ion Ratio	Lower	Upper	
75	100		
155	74.7	37.9	113.6
157	94.5	49.4	148.2

Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93
 1,2,4-Trichlorobenzene
 Concen: 18.719 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

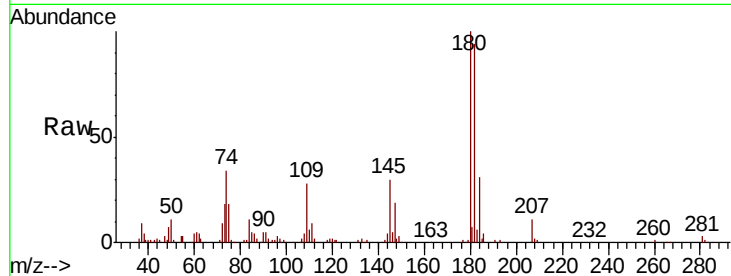
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBS01

Tot Ion:	180	Resp:	91925
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.4	142.2
145	30.3	15.4	46.2

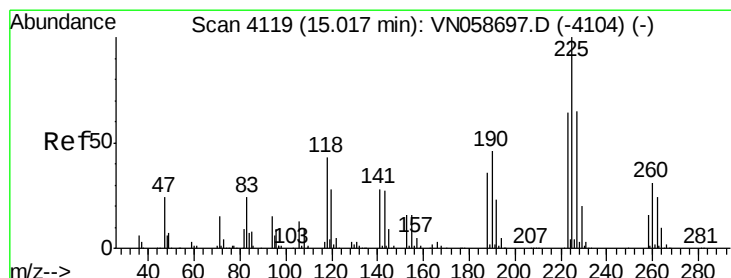
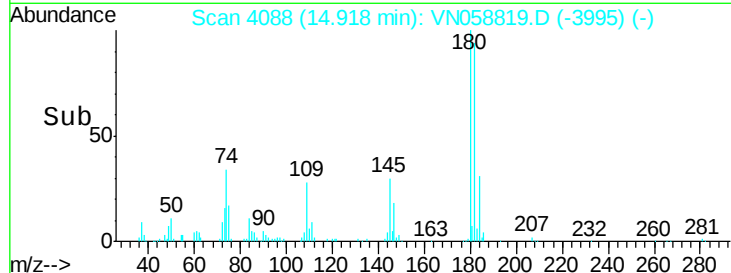
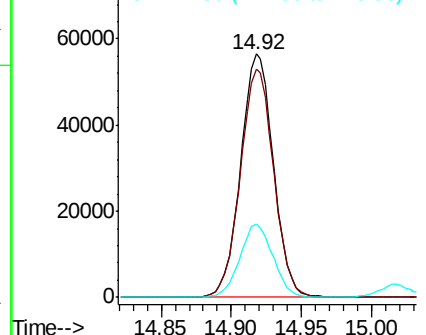
Manual Integrations
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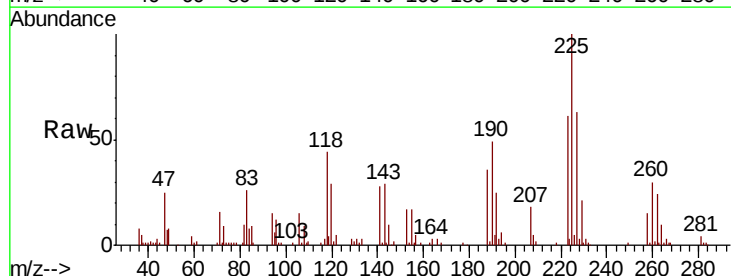


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

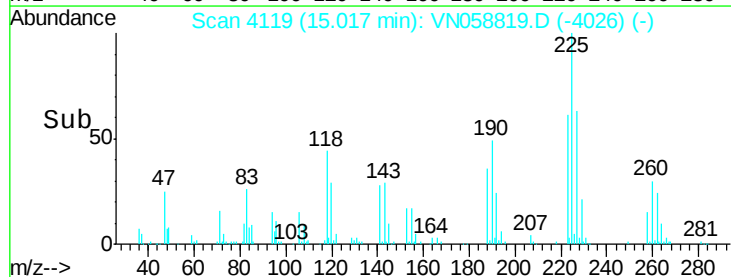
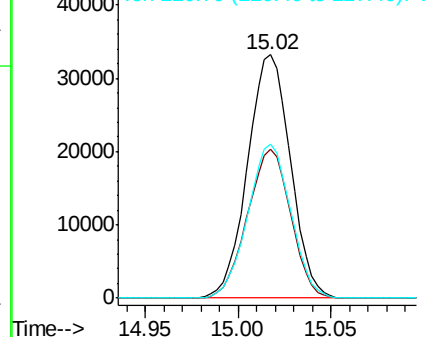


#94
 Hexachlorobutadiene
 Concen: 20.648 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion:	225	Resp:	53397
Ion Ratio	Lower	Upper	
225	100		
223	61.4	32.3	96.8
227	63.2	32.4	97.0



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





#95
Naphthalene
Concen: 18.957 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

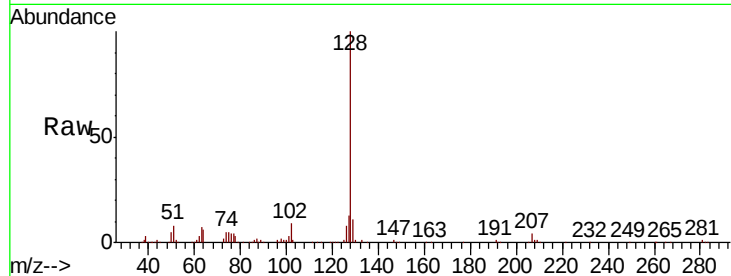
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Tot Ion:	128	Resp:	267550
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.9	8.5	12.7

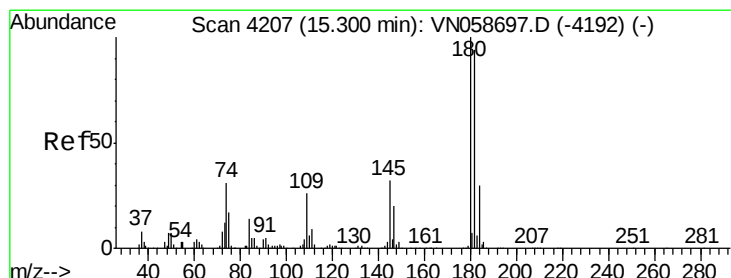
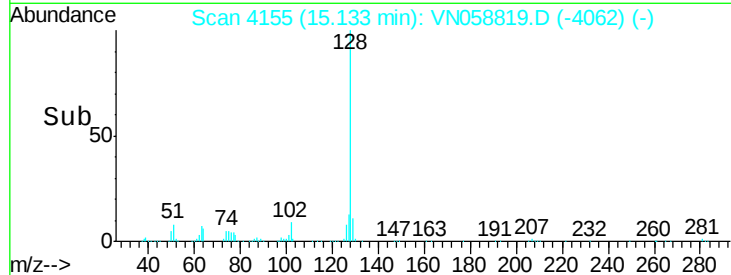
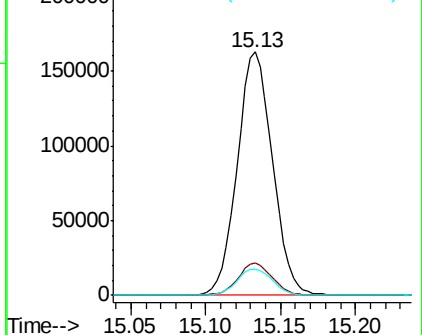
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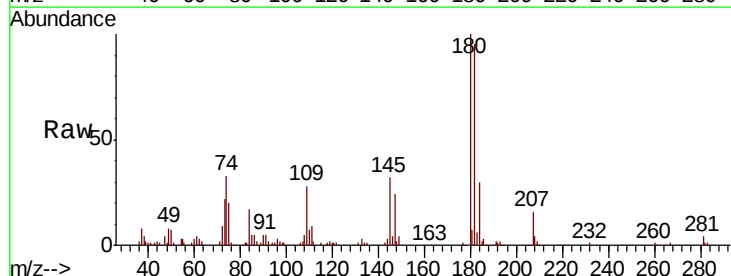


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.937 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion:	180	Resp:	90793
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	142.0
145	32.1	16.2	48.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

