

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058811.D
 Acq On : 16 Oct 2019 18:46
 Operator : JC/SP
 Sample : K5399-02MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MS

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:29 AM

Quant Time: Oct 17 07:40:05 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	363637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	587746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	555122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	275738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	273041	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	7.57	113	197455	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
50) Toluene-d8	10.08	98	758212	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.41	95	286640	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	236766	52.279	ug/l	99
3) Chloromethane	2.04	50	268822	49.917	ug/l	99
4) Vinyl Chloride	2.17	62	273556	51.001	ug/l	100
5) Bromomethane	2.54	94	163005	49.957	ug/l	100
6) Chloroethane	2.68	64	175249	52.970	ug/l	100
7) Trichlorofluoromethane	3.00	101	330990	51.562	ug/l	98
8) Diethyl Ether	3.39	74	123383	52.021	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	192185	52.507	ug/l	97
10) Methyl Iodide	3.93	142	254613	50.976	ug/l	99
11) Tert butyl alcohol	4.76	59	210484	255.295	ug/l	100
12) 1,1-Dichloroethene	3.72	96	182666	52.307	ug/l	94
13) Acrolein	3.58	56	113114	170.588	ug/l	97
14) Allyl chloride	4.30	41	360218	51.113	ug/l	99
15) Acrylonitrile	4.96	53	576742	277.388	ug/l	100
16) Acetone	3.79	43	507917	240.995	ug/l	99
17) Carbon Disulfide	4.03	76	541948	48.548	ug/l	100
18) Methyl Acetate	4.30	43	283516	53.033	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	680960	54.608	ug/l	96
20) Methylene Chloride	4.53	84	219513	49.835	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	198994	50.942	ug/l	98
22) Diisopropyl ether	5.93	45	759677	55.440	ug/l	98
23) Vinyl Acetate	5.87	43	3092102	279.657	ug/l	100
24) 1,1-Dichloroethane	5.82	63	417869	53.544	ug/l	99
25) 2-Butanone	6.81	43	798029	261.967	ug/l	99
26) 2,2-Dichloropropane	6.80	77	335688	47.121	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	236963	52.020	ug/l	98
28) Bromochloromethane	7.18	49	148569	54.721	ug/l	98
29) Tetrahydrofuran	7.19	42	541338	274.984	ug/l	99
30) Chloroform	7.35	83	415529	52.995	ug/l	100
31) Cyclohexane	7.64	56	368661	49.371	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	360761	53.951	ug/l	99
36) 1,1-Dichloropropene	7.77	75	308520	51.917	ug/l	99
37) Ethyl Acetate	6.91	43	352250	58.612	ug/l	98
38) Carbon Tetrachloride	7.76	117	316330	54.619	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	350627	50.848	ug/l	99
40) Benzene	8.03	78	904965	53.025	ug/l	99
41) Methacrylonitrile	7.16	41	148991m	52.960	ug/l	
42) 1,2-Dichloroethane	8.11	62	352413	53.747	ug/l	99
43) Isopropyl Acetate	8.15	43	540765	52.819	ug/l	100
44) Trichloroethene	8.82	130	223176	52.658	ug/l	99
45) 1,2-Dichloropropane	9.11	63	248104	54.304	ug/l	98
46) Dibromomethane	9.20	93	161092	55.613	ug/l	98
47) Bromodichloromethane	9.39	83	334096	56.639	ug/l	99
48) Methyl methacrylate	9.19	41	256759	55.326	ug/l	98
49) 1,4-Dioxane	9.19	88	82624	1150.816	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1713369	297.986	ug/l	99
52) Toluene	10.15	92	552882	52.966	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	365640	54.046	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	379226	52.794	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	223515	52.316	ug/l	98
56) Ethyl methacrylate	10.43	69	353584	56.649	ug/l	99
57) 1,3-Dichloropropane	10.71	76	396452	54.455	ug/l	100
59) 2-Hexanone	10.75	43	1267937	285.347	ug/l	99
60) Dibromochloromethane	10.90	129	247786	56.222	ug/l	100
61) 1,2-Dibromoethane	11.00	107	229247	53.560	ug/l	99
64) Tetrachloroethene	10.63	164	189108	48.678	ug/l	97
65) Chlorobenzene	11.43	112	584263	51.827	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	224616	53.883	ug/l	99
67) Ethyl Benzene	11.51	91	1086783	54.081	ug/l	99
68) m/p-Xylenes	11.62	106	802794	106.452	ug/l	98
69) o-Xylene	11.95	106	384605	52.711	ug/l	100
70) Stvrene	11.97	104	640469	53.556	ug/l	99
71) Bromoform	12.13	173	172143	56.338	ug/l #	97
73) Isopropylbenzene	12.25	105	1051127	52.636	ug/l	99
74) N-amyl acetate	12.07	43	469733	52.373	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	349751	53.165	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	319851m	52.876	ug/l	
77) Bromobenzene	12.53	156	247914	51.040	ug/l	99
78) n-propylbenzene	12.60	91	1251976	53.803	ug/l	99
79) 2-Chlorotoluene	12.68	91	736269	50.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	902729	52.950	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	118025	52.265	ug/l	99
82) 4-Chlorotoluene	12.78	91	751139	50.681	ug/l	99
83) tert-Butylbenzene	13.00	119	758027	51.901	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	910990	53.825	ug/l	100
85) sec-Butylbenzene	13.18	105	1035580	53.811	ug/l	99
86) p-Isopropyltoluene	13.29	119	927432	53.023	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	451777	50.434	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	443860	48.735	ug/l	99
89) n-Butylbenzene	13.62	91	823573	50.922	ug/l	99
90) Hexachloroethane	13.88	117	168357	53.794	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	450765	51.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75567	49.169	ug/l	96
93) 1,2,4-Trichlorobenzene	14.92	180	253213	47.545	ug/l	99

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QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	133466	47.588	ug/l	98
95) Naphthalene	15.13	128	720863	47.096	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	245370	47.190	ug/l	100

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

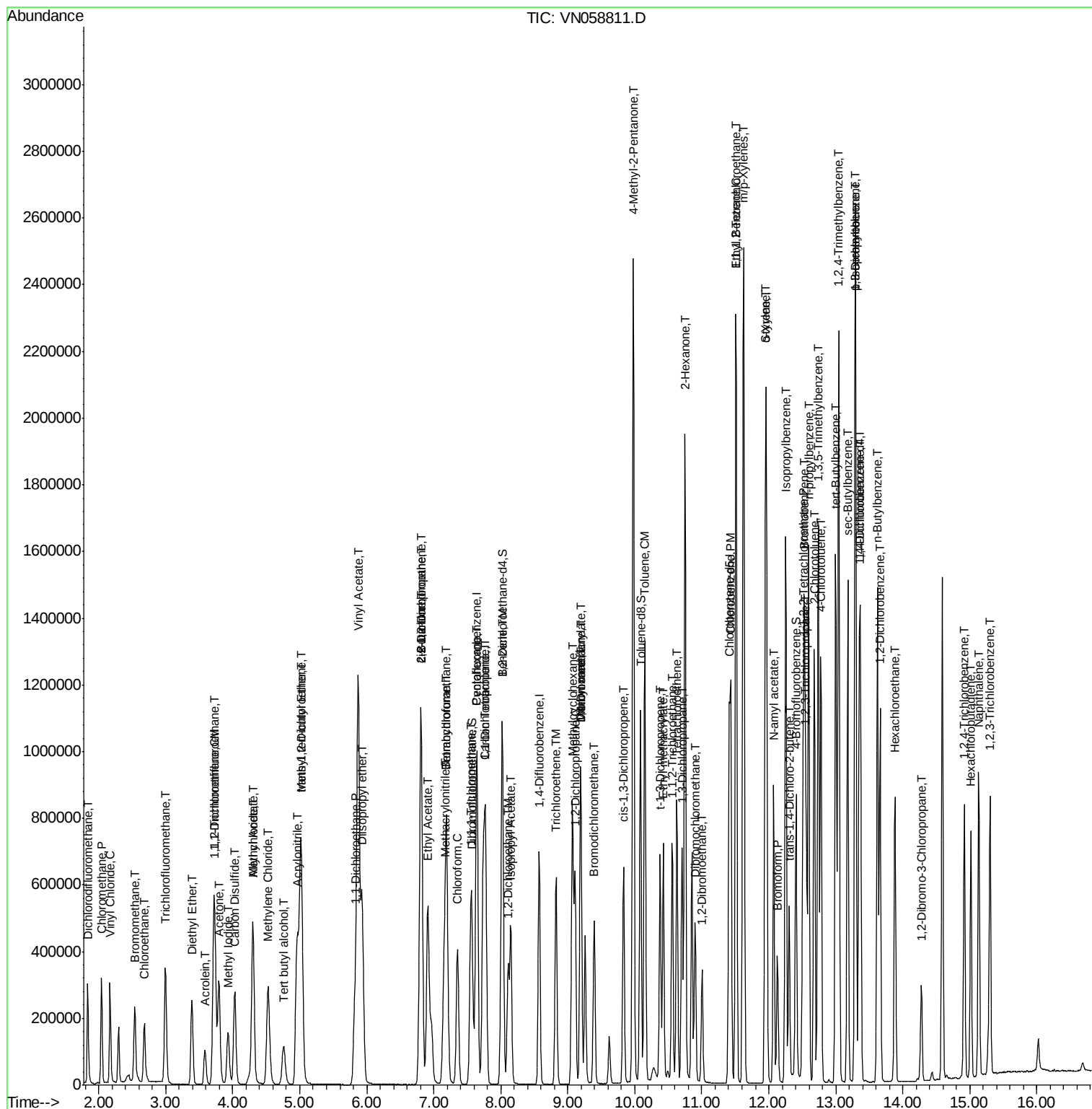
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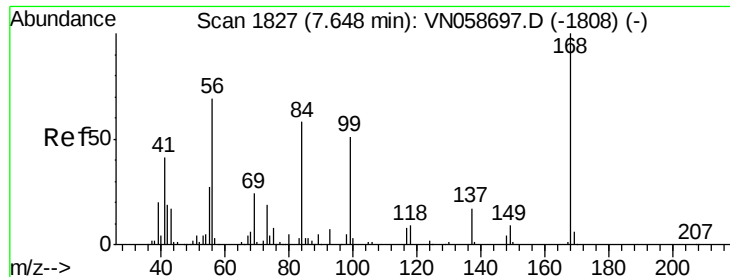
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MS

Tot Ion:168 Resp: 363637

Ion Ratio Lower Upper

168 100

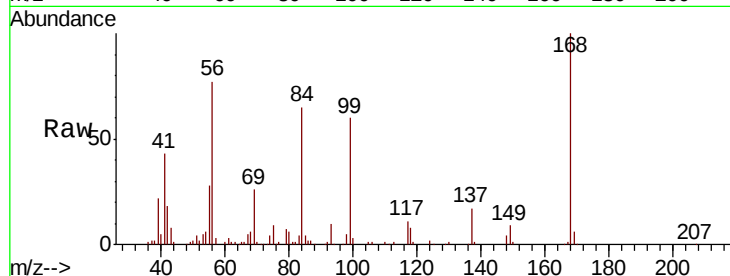
99 59.6 47.5 71.3

Manual Integrations

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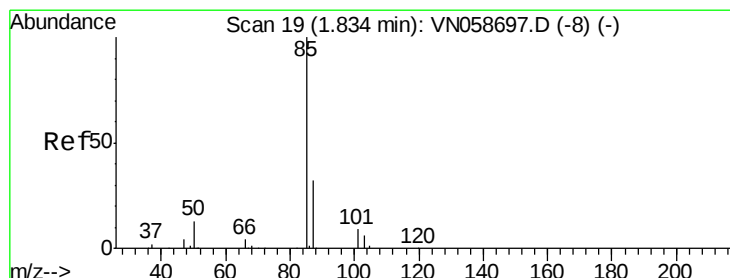
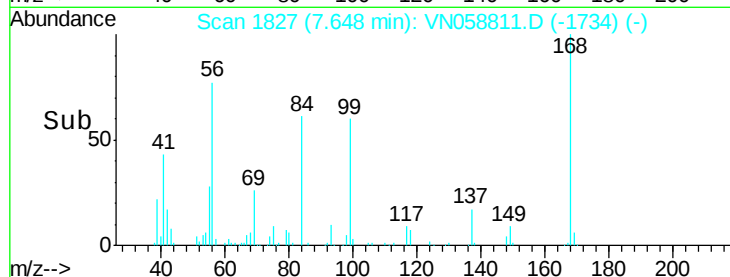
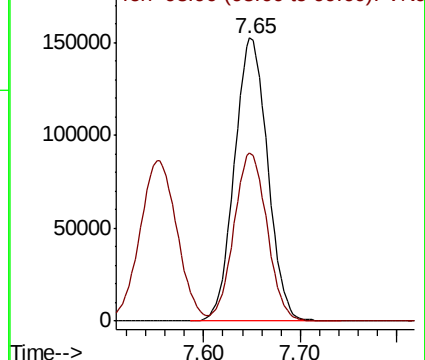
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 52.279 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058811.D

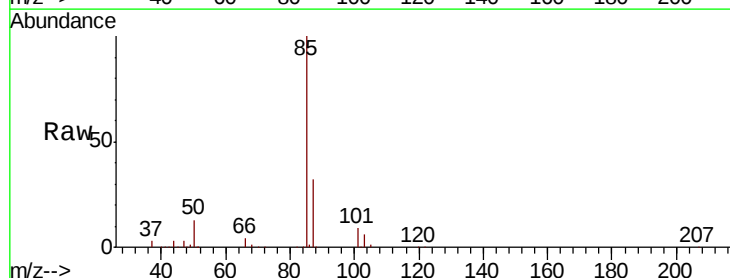
Acq: 16 Oct 2019 18:46

Tgt Ion: 85 Resp: 236766

Ion Ratio Lower Upper

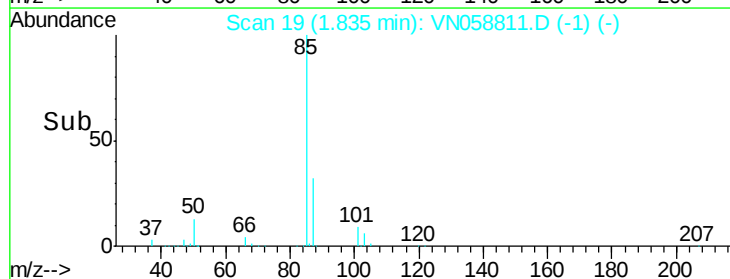
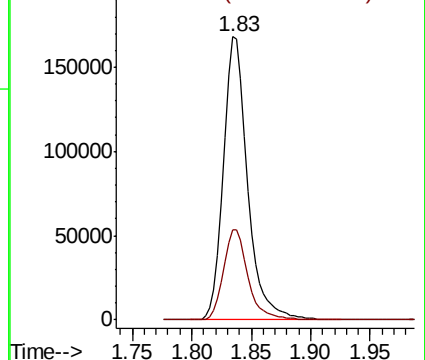
85 100

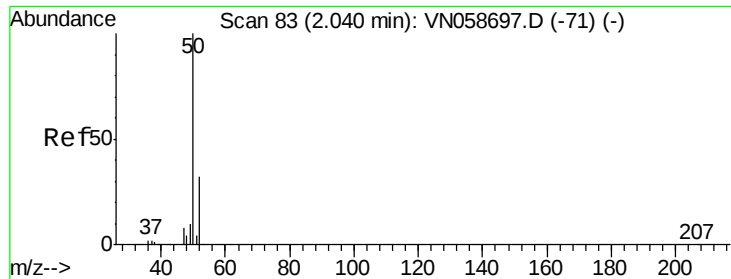
87 31.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 49.917 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MS

Tot Ion: 50 Resp: 268822

Ion Ratio Lower Upper

50 100

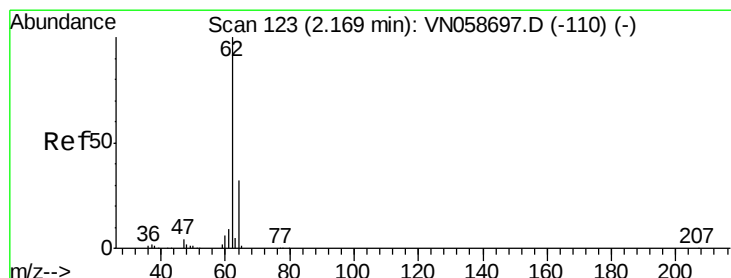
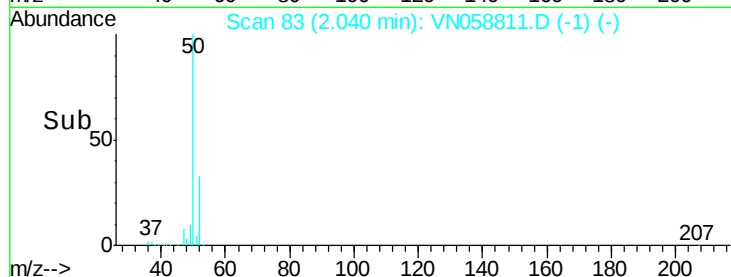
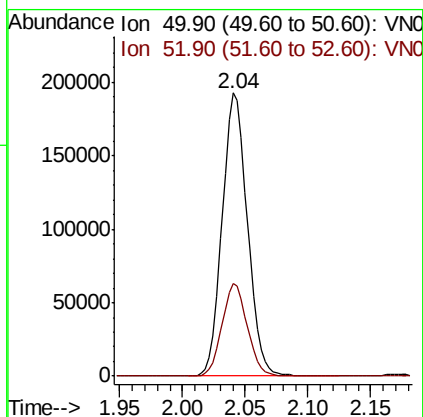
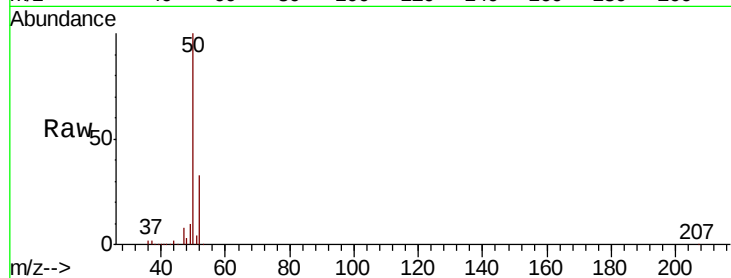
52 32.9 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.001 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058811.D

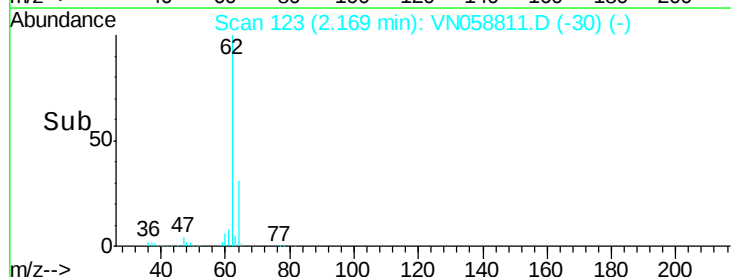
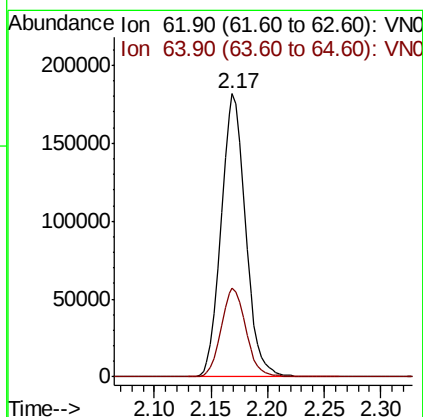
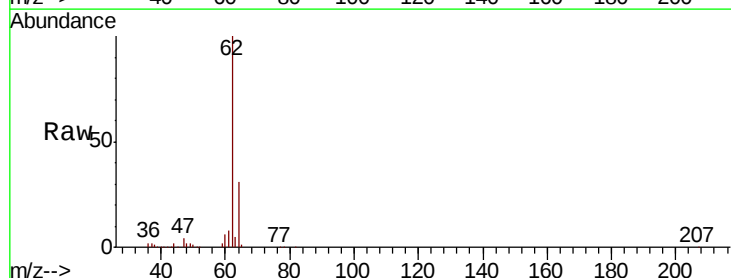
Acq: 16 Oct 2019 18:46

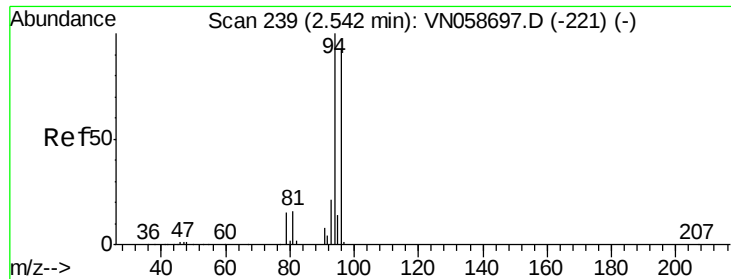
Tgt Ion: 62 Resp: 273556

Ion Ratio Lower Upper

62 100

64 31.4 25.3 37.9





#5

Bromomethane

Concen: 49.957 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

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Tot Ion: 94 Resp: 163005

Ion Ratio Lower Upper

94 100

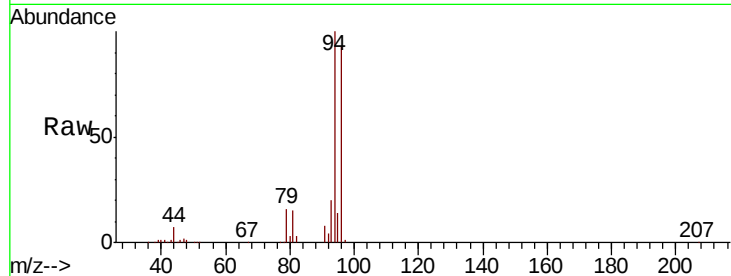
96 93.0 74.5 111.7

Manual Integrations

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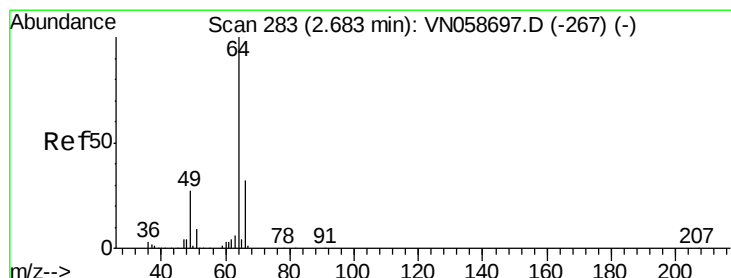
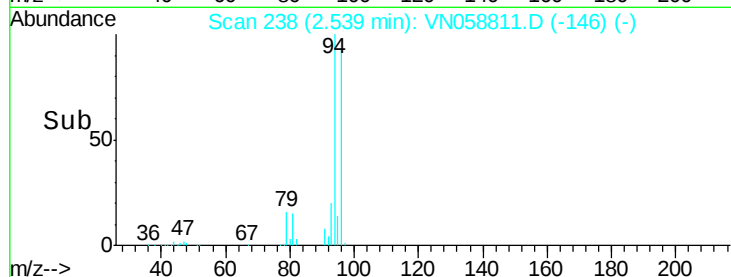
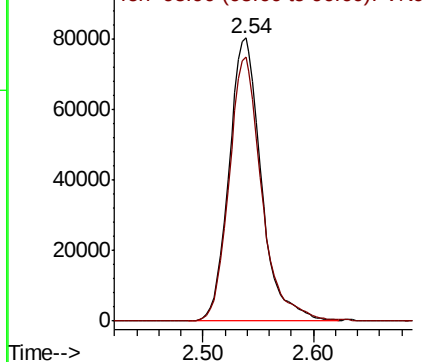
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 52.970 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058811.D

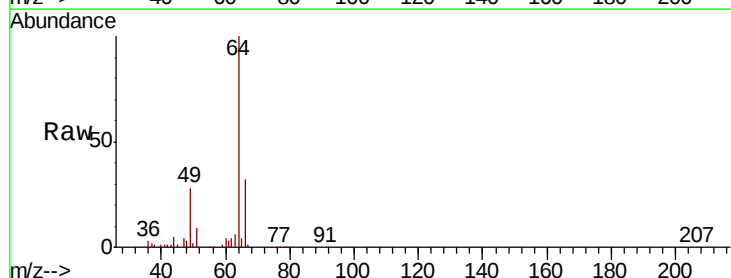
Acq: 16 Oct 2019 18:46

Tgt Ion: 64 Resp: 175249

Ion Ratio Lower Upper

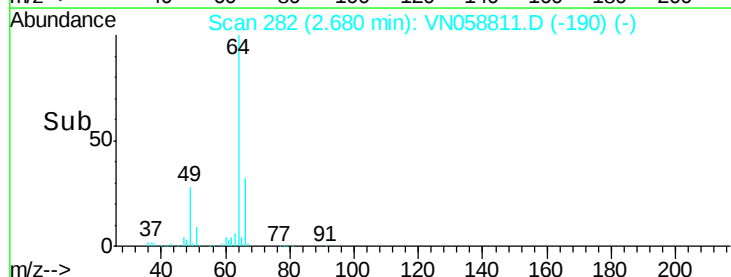
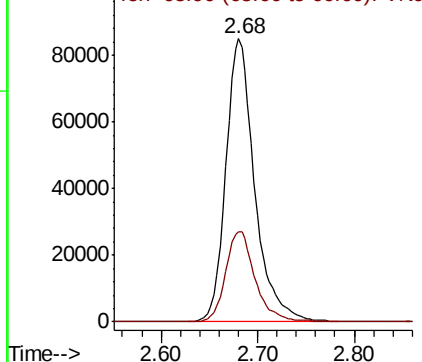
64 100

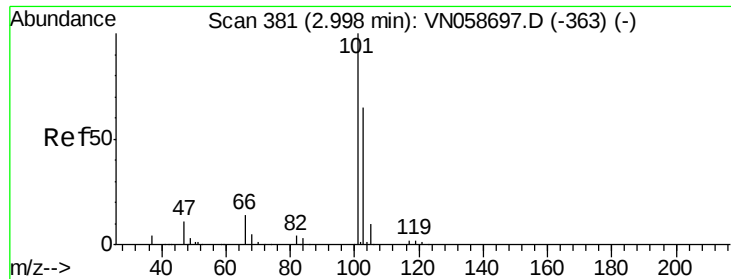
66 32.1 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

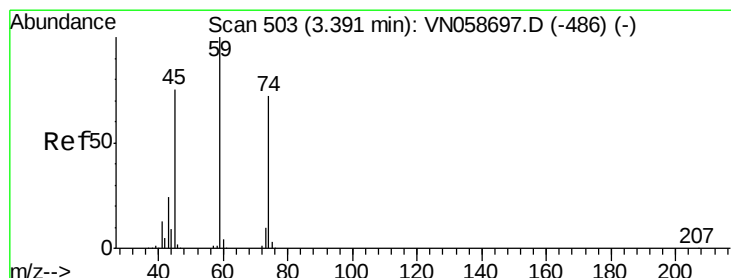
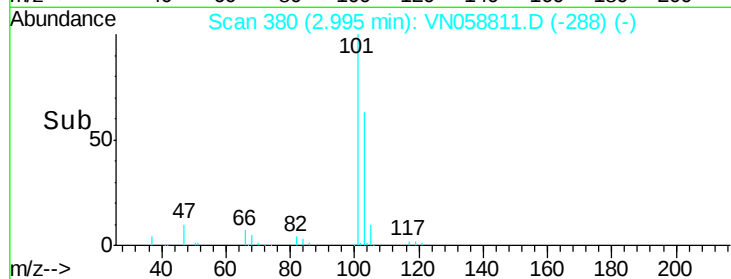
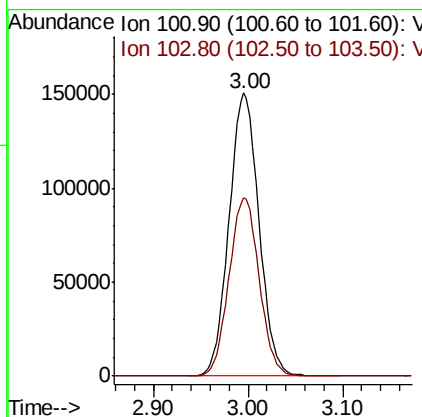
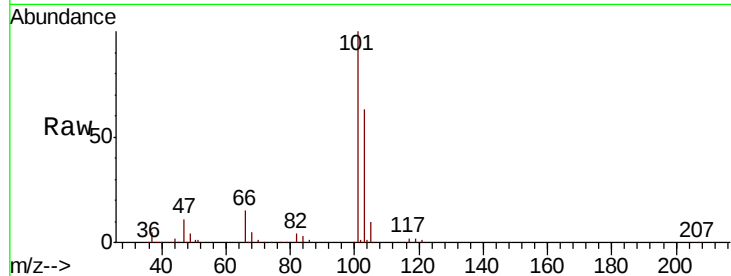
Trichlorofluoromethane
 Concen: 51.562 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	330990		
103	63.1	51.8	77.6	

Manual Integrations
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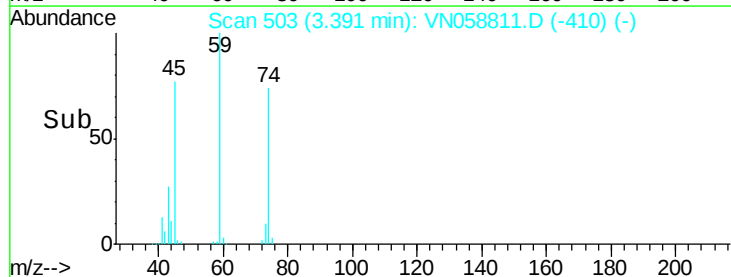
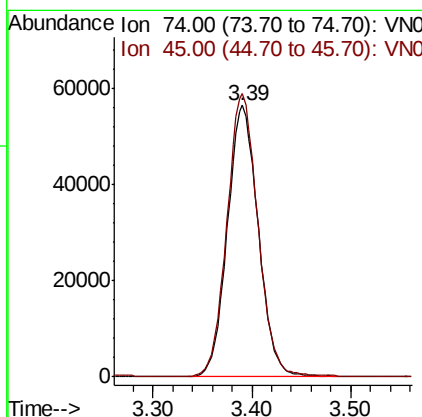
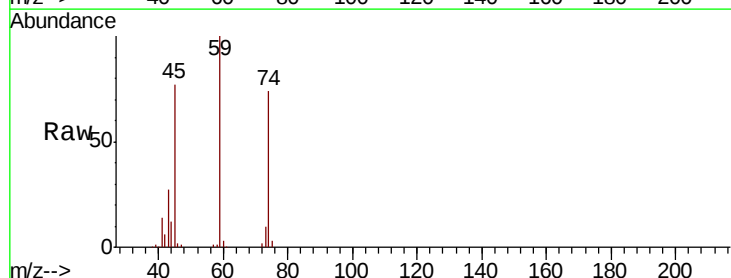
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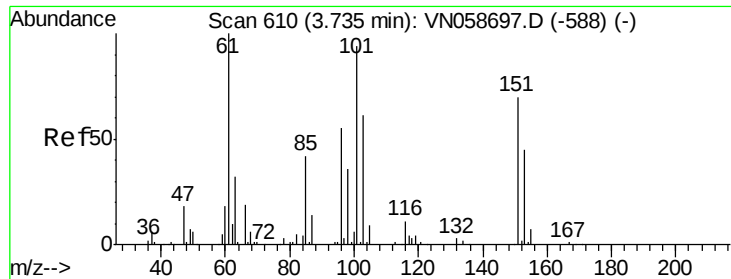


#8

Diethyl Ether
 Concen: 52.021 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	123383		
45	105.1	51.3	154.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.507 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

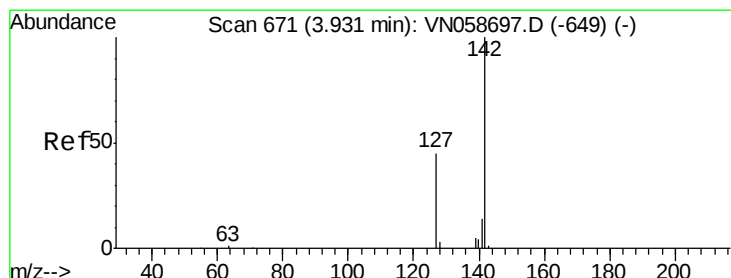
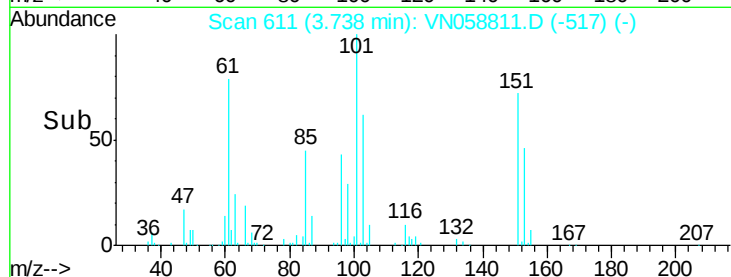
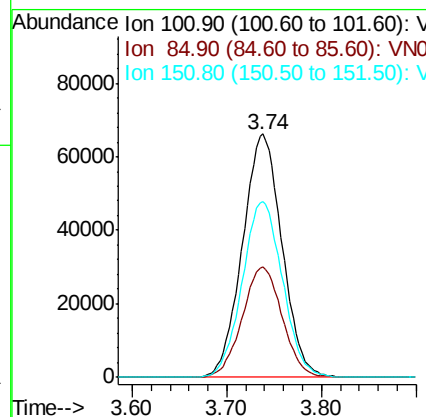
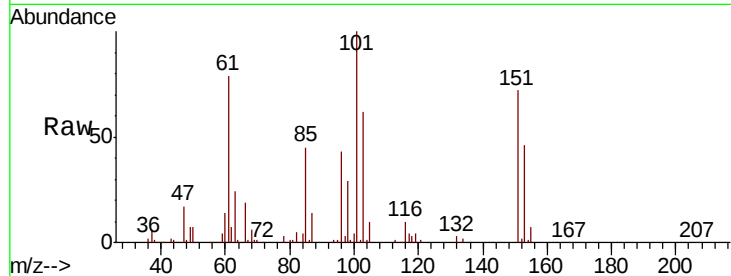
ClientSampleId :

FA19-MMW0006MS

Tot Ion:	101	Resp:	192185
Ion Ratio	Lower	Upper	
101	100		
85	45.8	37.0	55.6
151	73.6	61.8	92.6

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#10

Methyl Iodide

Concen: 50.976 ug/l

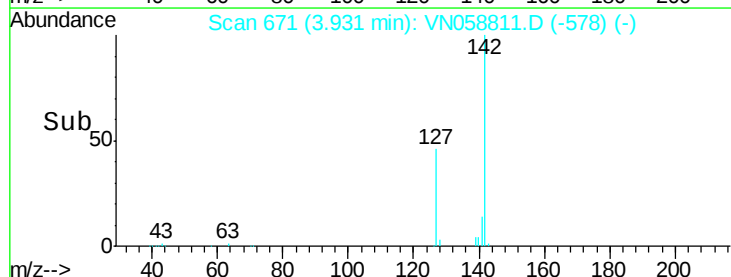
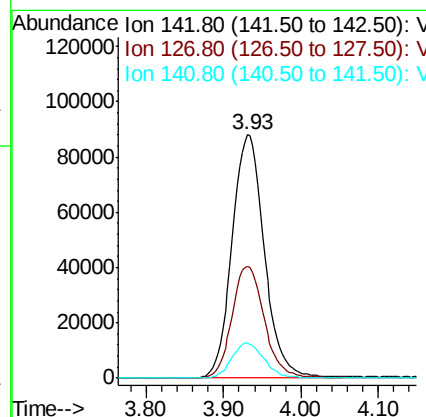
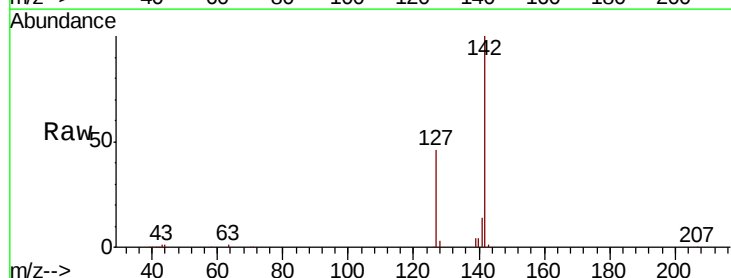
RT: 3.93 min Scan# 671

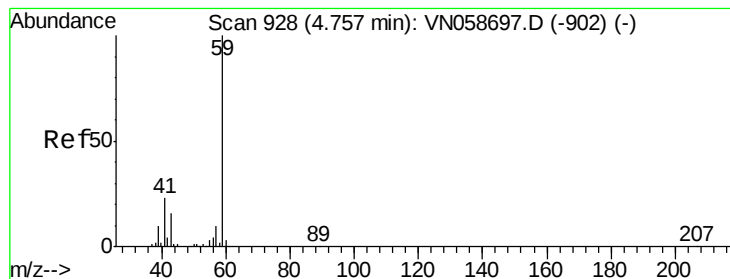
Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion:	142	Resp:	254613
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.4	54.6
141	14.5	11.1	16.7





#11

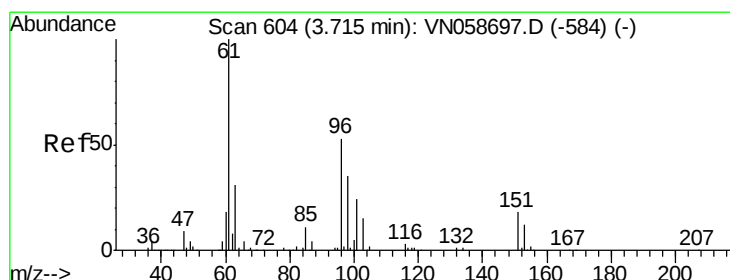
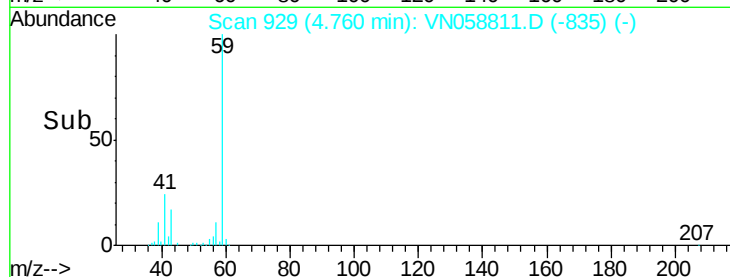
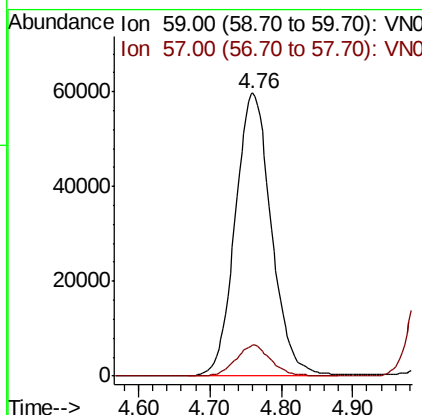
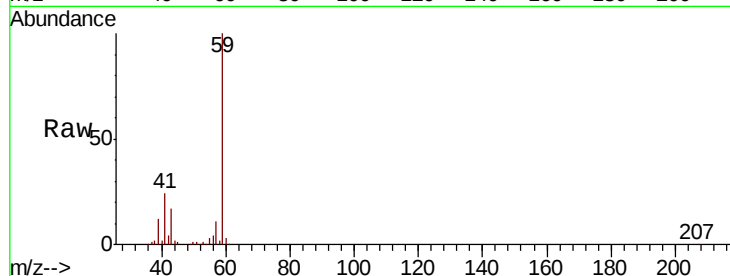
Tert butyl alcohol
Concen: 255.295 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	59	Resp	210484
Ion Ratio	100	Lower	Upper
57	10.6	8.4	12.6

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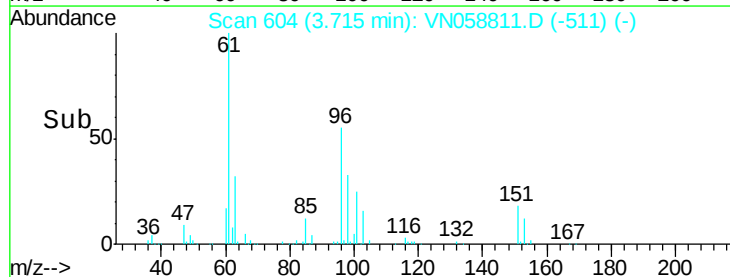
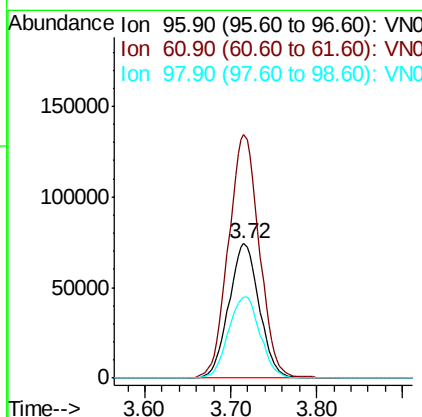
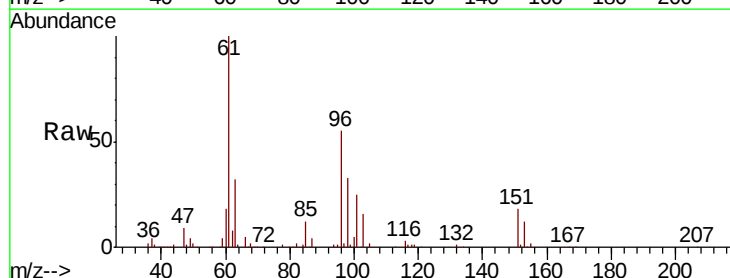
MMDadoda
10/18/2019 12:51:29 AM

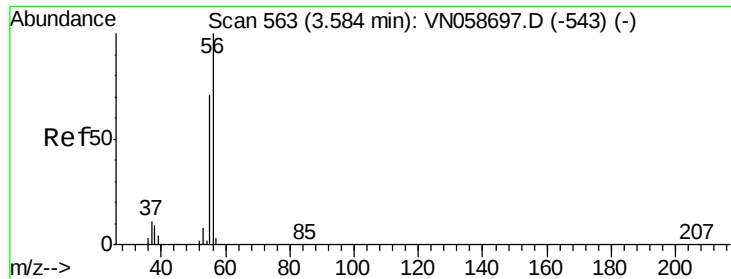


#12

1,1-Dichloroethene
Concen: 52.307 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	96	Resp	182666
Ion Ratio	100	Lower	Upper
61	181.0	151.3	226.9
98	60.3	52.6	78.8





#13

Acrolein

Concen: 170.588 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MS

Tot Ion: 56 Resp: 113114

Ion Ratio Lower Upper

56 100

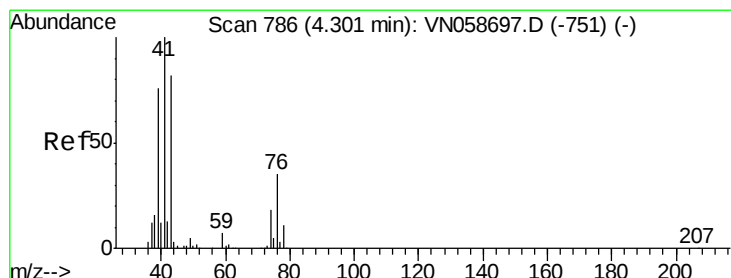
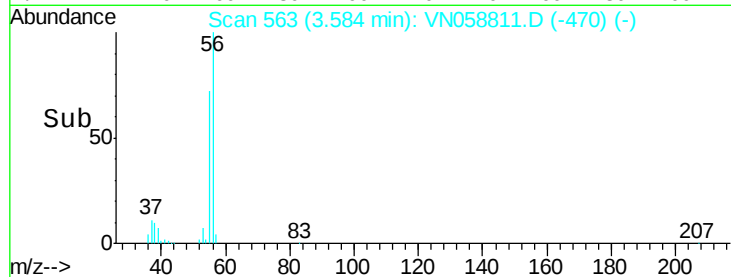
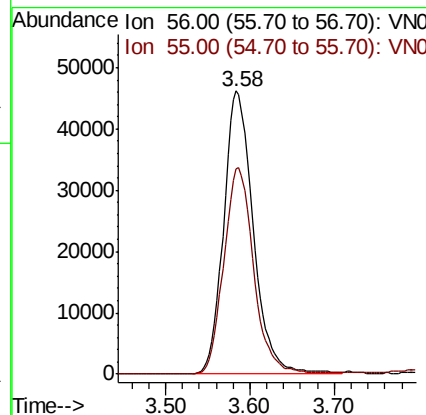
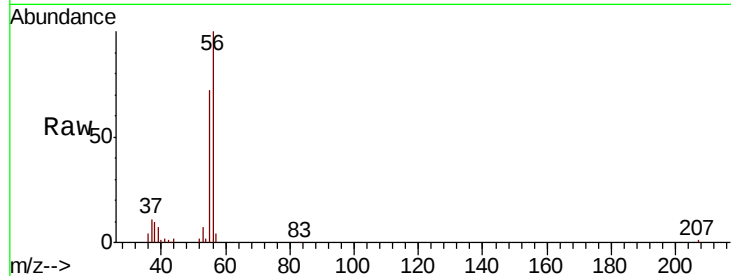
55 73.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 51.113 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

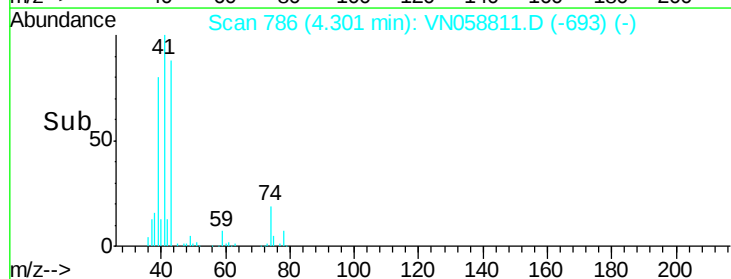
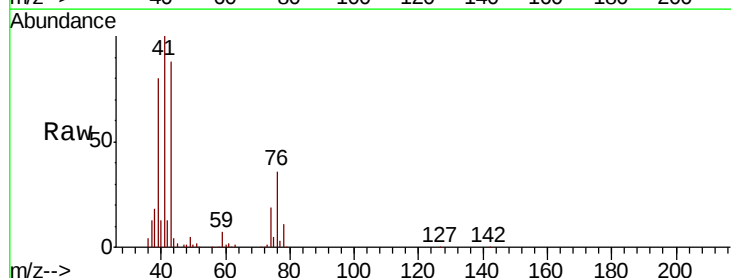
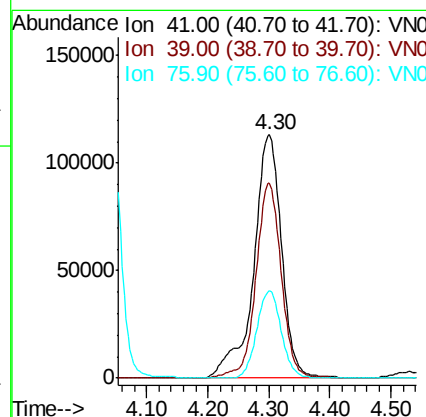
Tgt Ion: 41 Resp: 360218

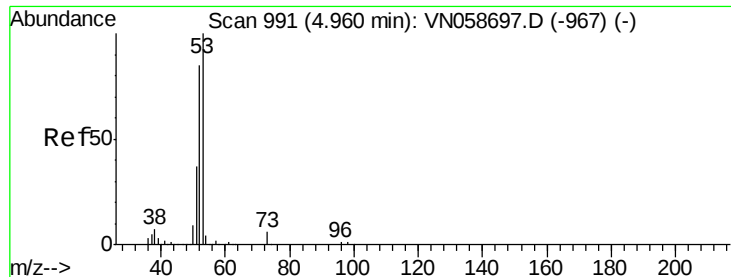
Ion Ratio Lower Upper

41 100

39 72.5 57.2 85.8

76 31.5 25.0 37.6





#15

Acrylonitrile

Concen: 277.388 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

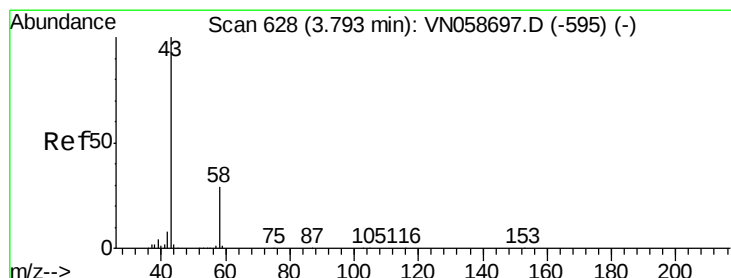
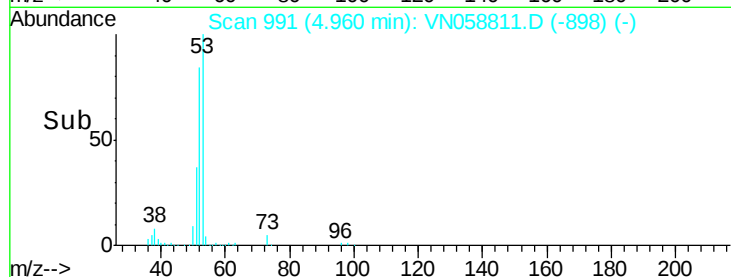
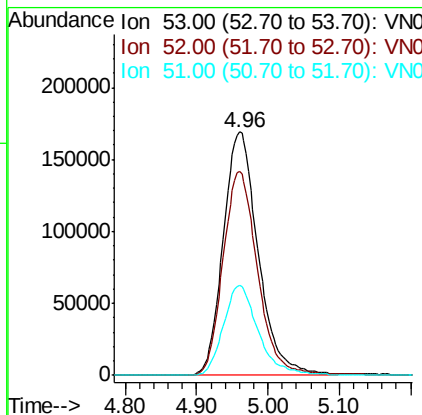
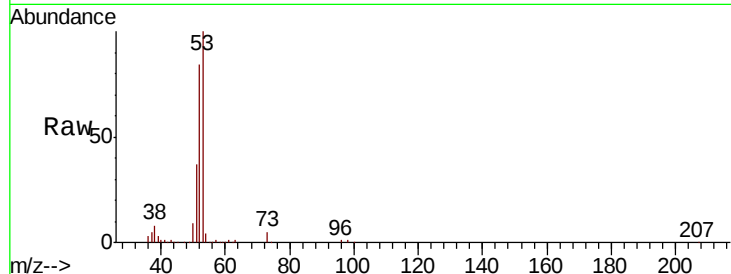
ClientSampleId :

FA19-MMW0006MS

Tot Ion:	53	Resp:	576742
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	37.1	29.4	44.2

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#16

Acetone

Concen: 240.995 ug/l

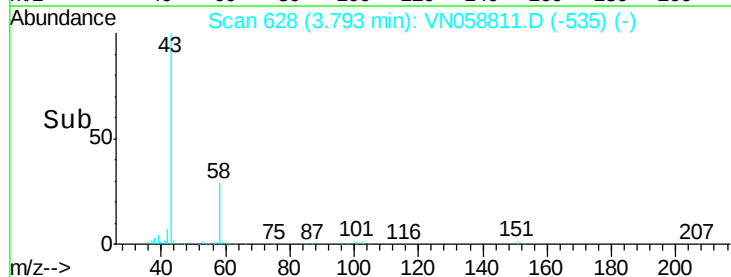
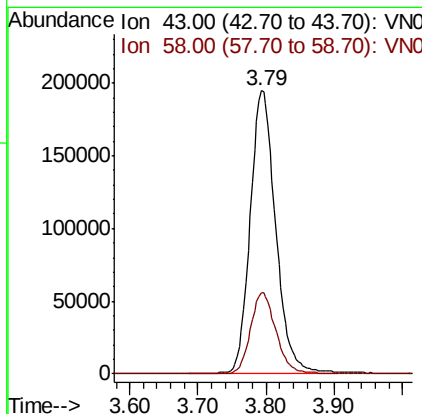
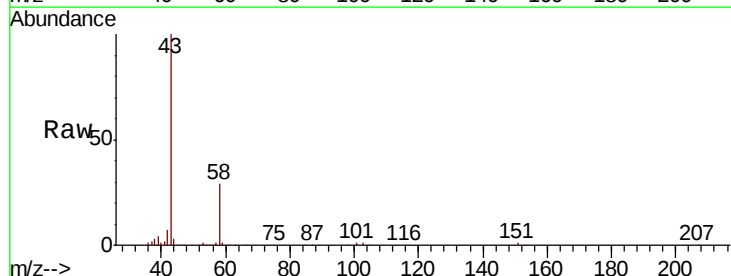
RT: 3.79 min Scan# 628

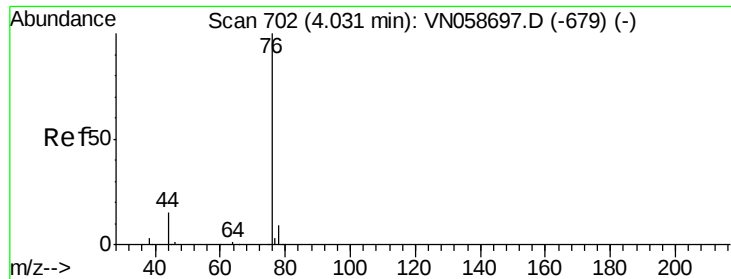
Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion:	43	Resp:	507917
Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.3	34.9





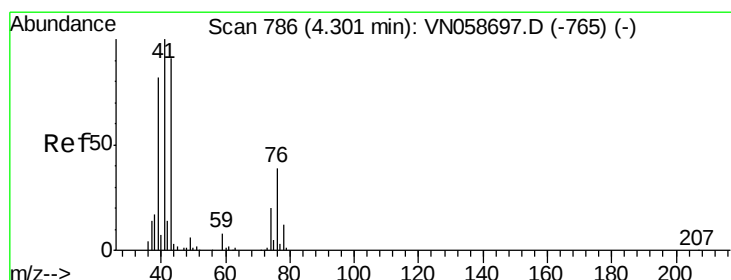
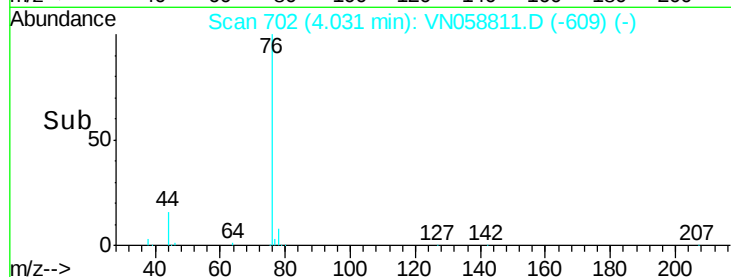
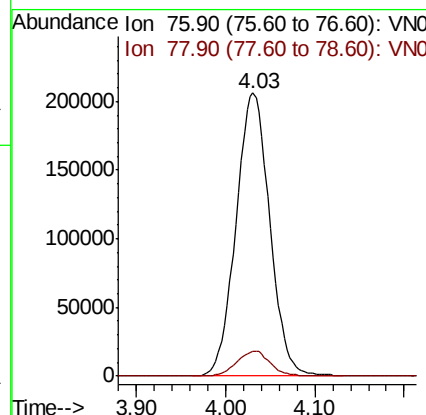
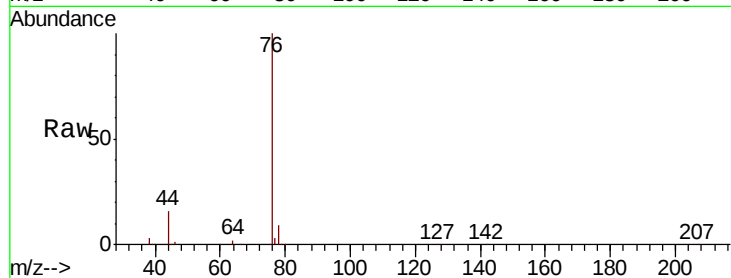
#17
Carbon Disulfide
Concen: 48.548 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

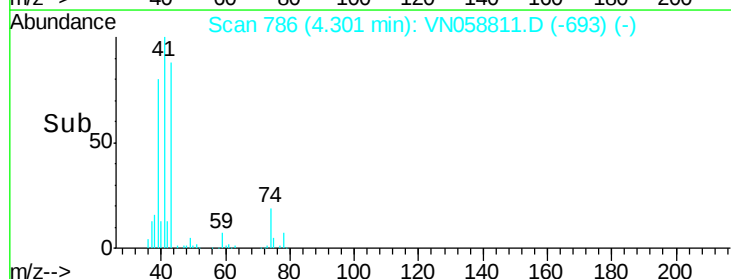
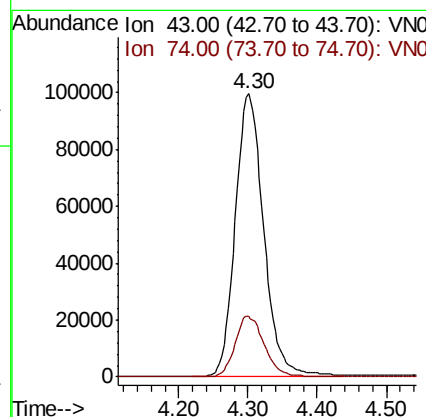
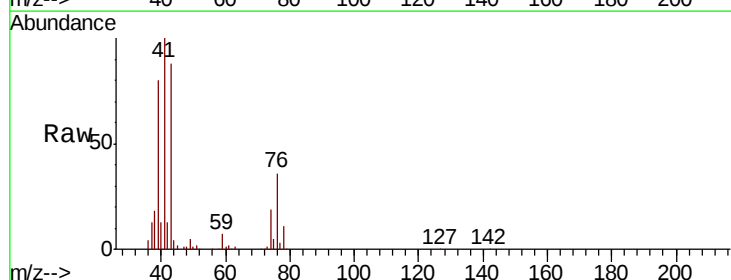
Manual Integrations
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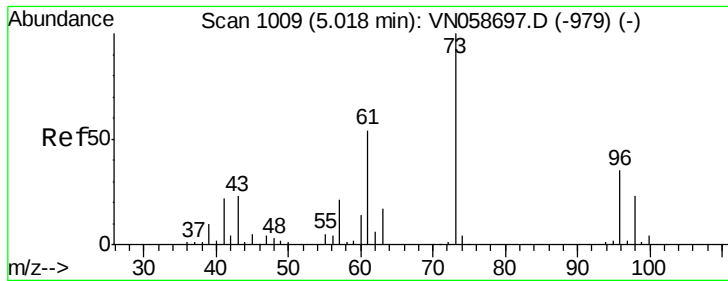
MMDadoda
10/18/2019 12:51:29 AM



#18
Methyl Acetate
Concen: 53.033 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.2	25.8





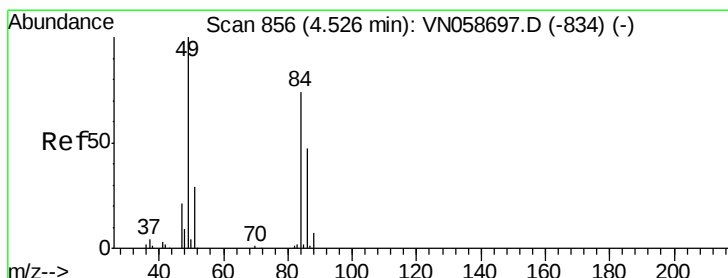
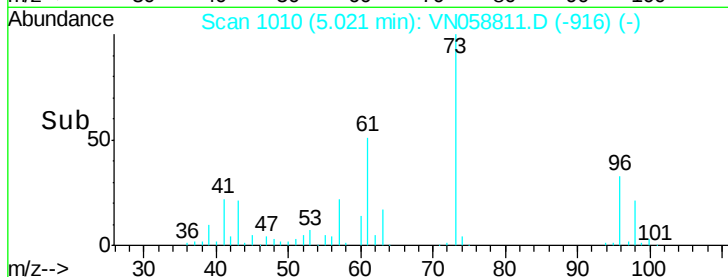
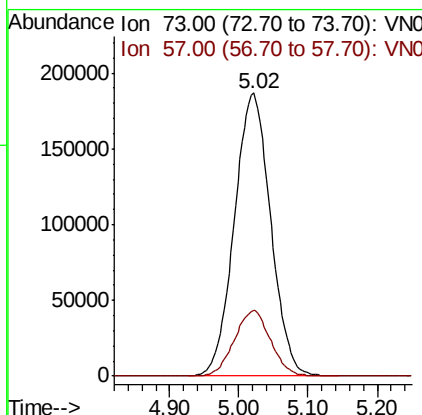
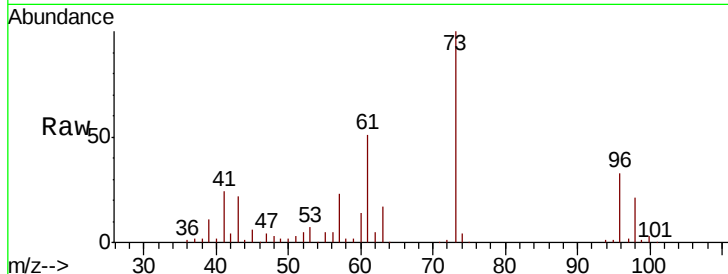
#19
Methvl tert-butvl Ether
Concen: 54.608 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion: 73 Resp: 680960
Ion Ratio Lower Upper
73 100
57 23.1 17.0 25.6

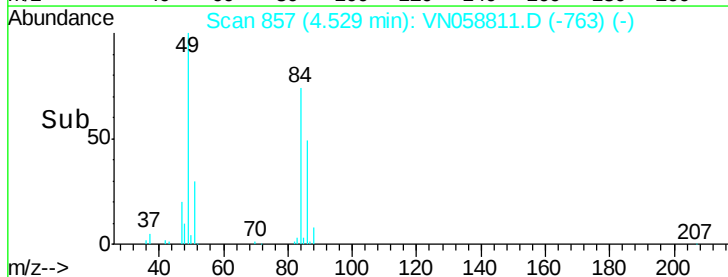
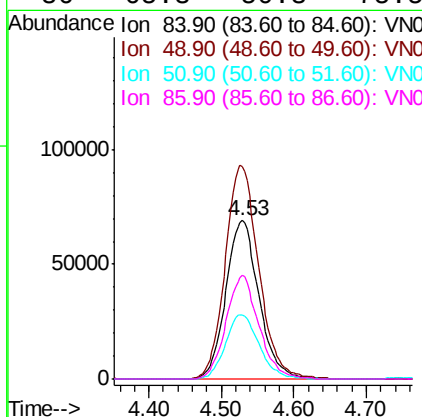
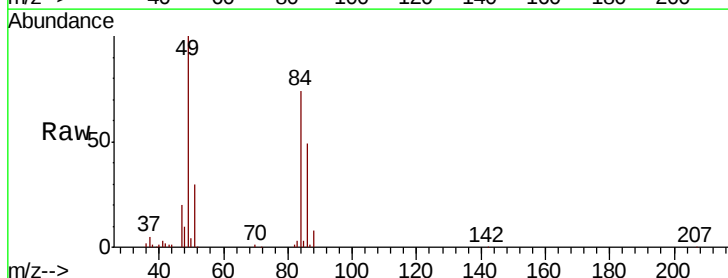
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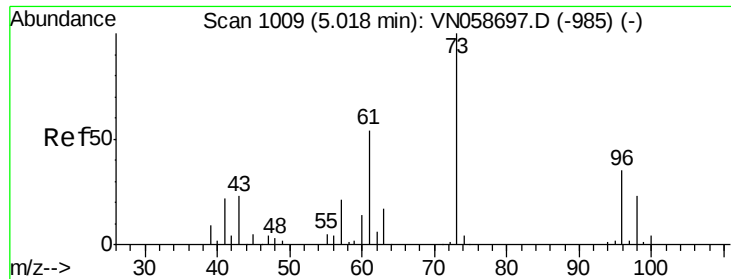
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#20
Methylene Chloride
Concen: 49.835 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion: 84 Resp: 219513
Ion Ratio Lower Upper
84 100
49 134.3 107.6 161.4
51 40.4 31.4 47.0
86 65.3 50.3 75.5





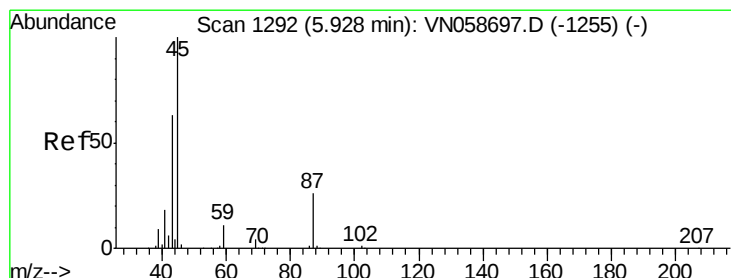
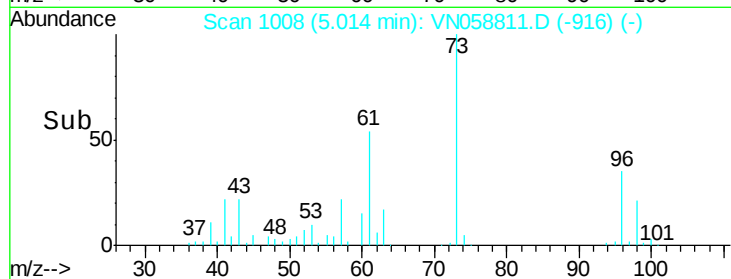
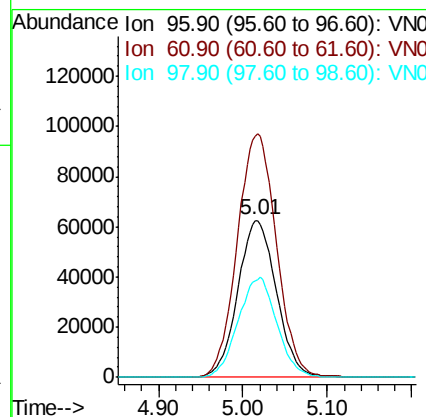
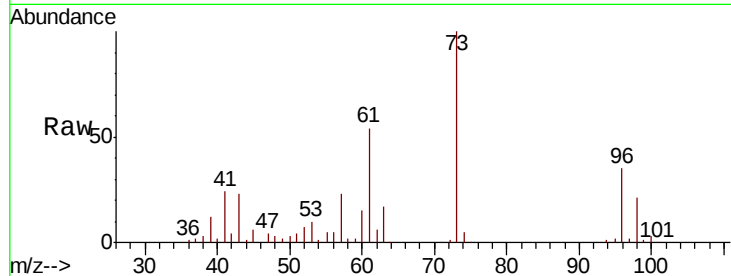
#21
trans-1,2-Dichloroethene
Concen: 50.942 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.1	123.6	185.4
98	61.5	52.1	78.1

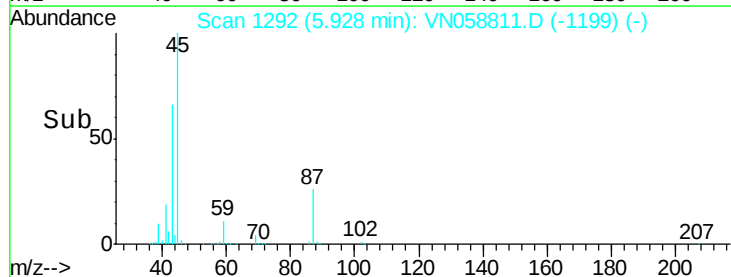
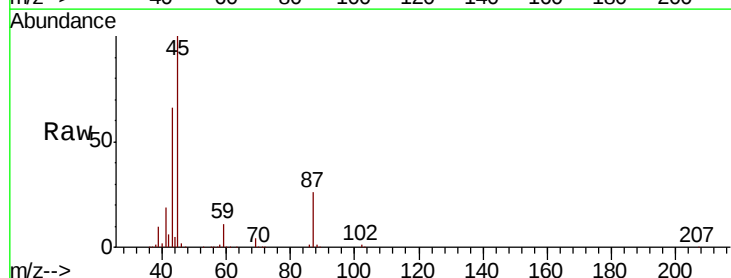
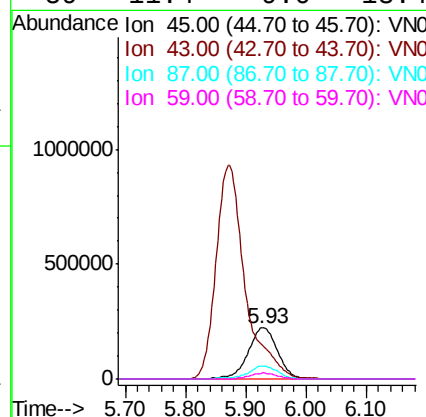
Manual Integrations
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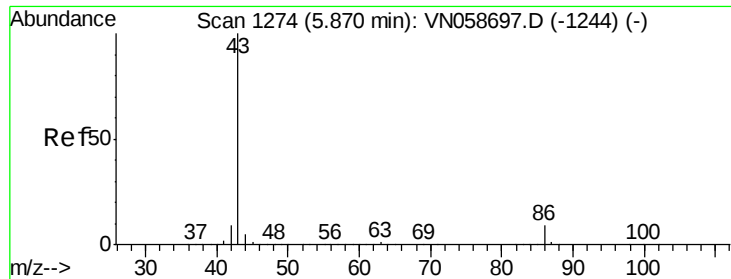
MMDadoda
10/18/2019 12:51:29 AM



#22
Diisopropyl ether
Concen: 55.440 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.3	50.6	75.8
87	26.0	21.1	31.7
59	11.4	9.0	13.4





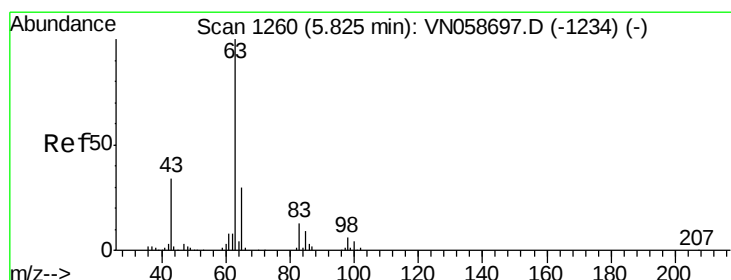
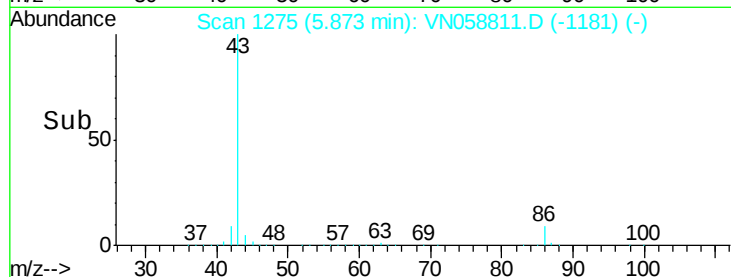
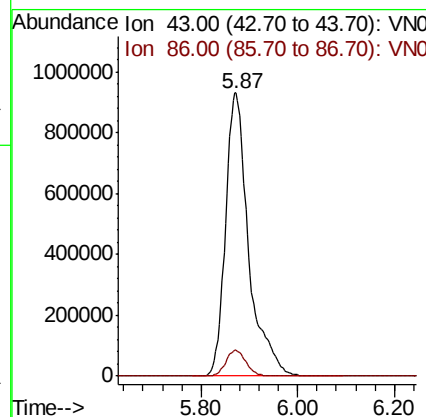
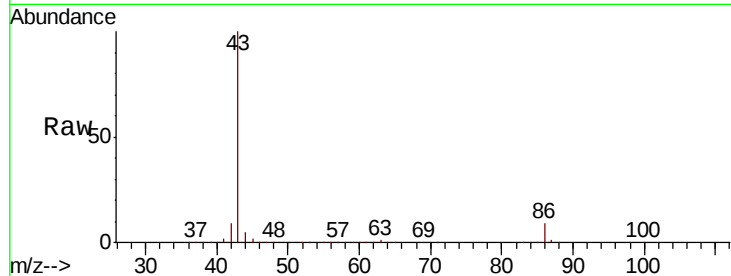
#23
 Vinyl Acetate
 Concen: 279.657 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MS

Tot Ion: 43 Resp: 3092102
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.0

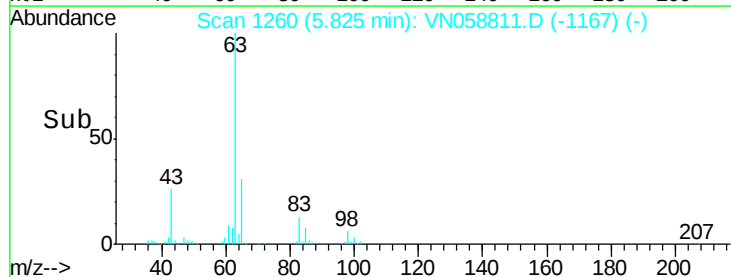
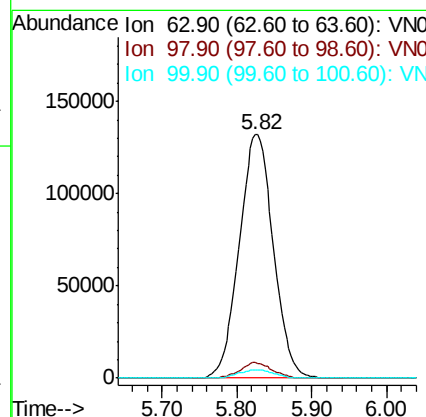
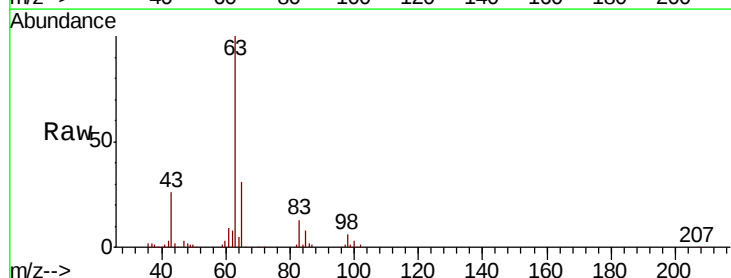
Manual Integrations
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 10/18/2019 12:51:29 AM



#24
 1,1-Dichloroethane
 Concen: 53.544 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion: 63 Resp: 417869
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.6
 100 3.5 1.8 5.5





#25

2-Butanone

Concen: 261.967 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MS

Tot Ion: 43 Resp: 798029

Ion Ratio Lower Upper

43 100

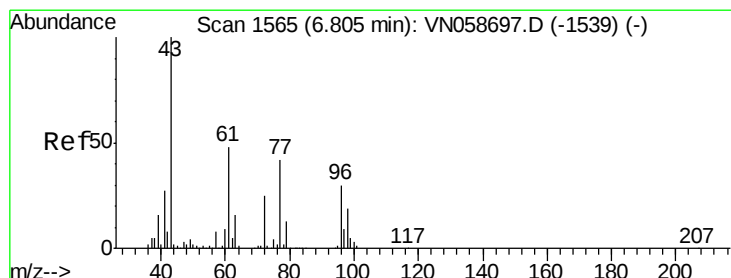
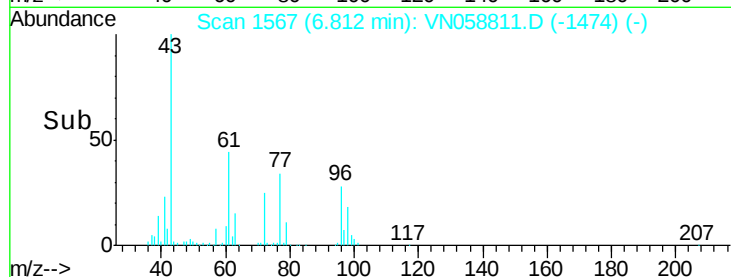
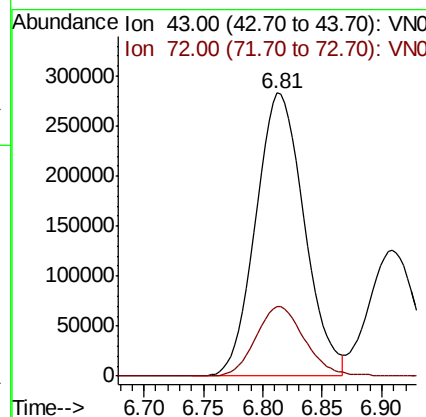
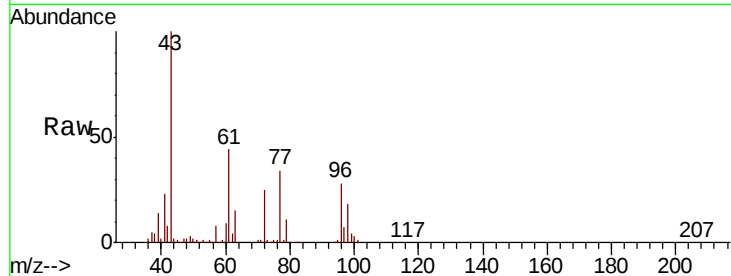
72 24.5 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:29 AM



#26

2,2-Dichloropropane

Concen: 47.121 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058811.D

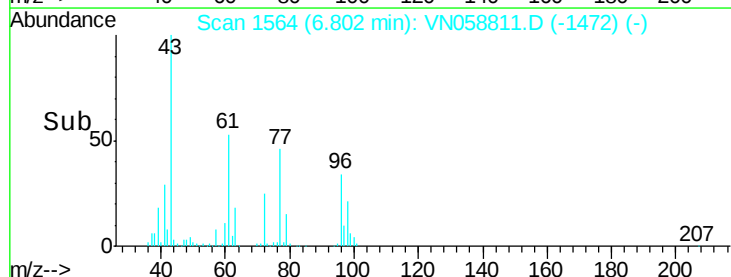
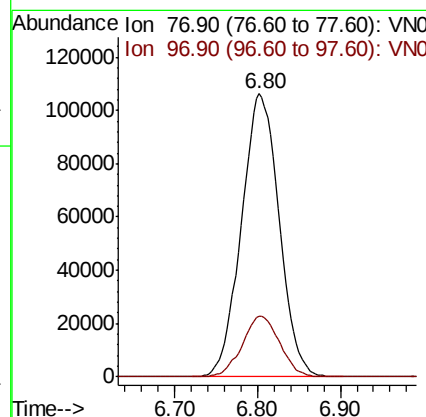
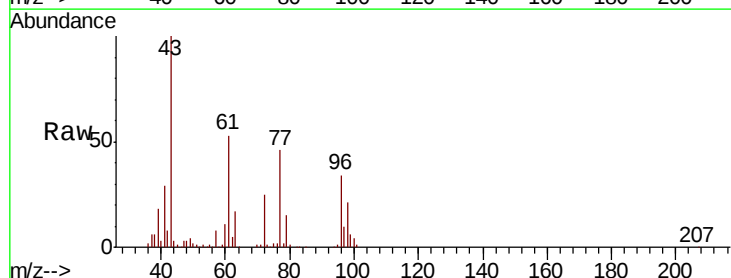
Acq: 16 Oct 2019 18:46

Tgt Ion: 77 Resp: 335688

Ion Ratio Lower Upper

77 100

97 21.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 52.020 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

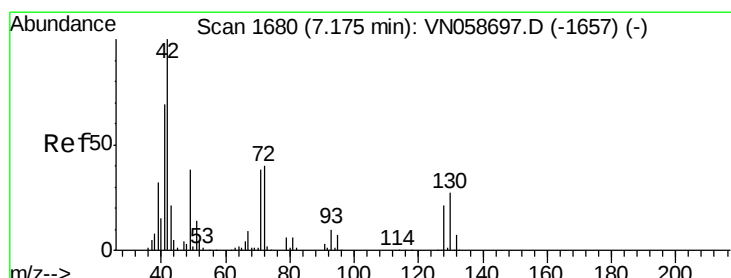
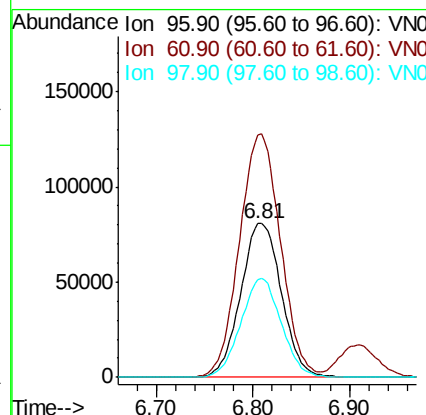
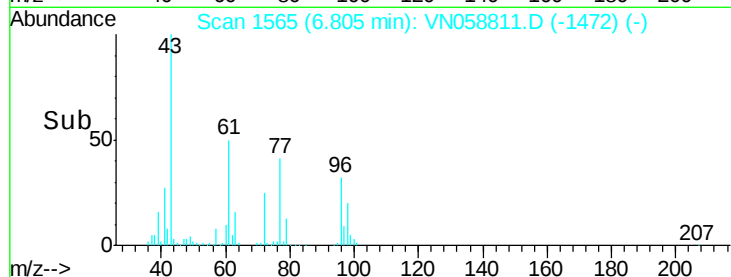
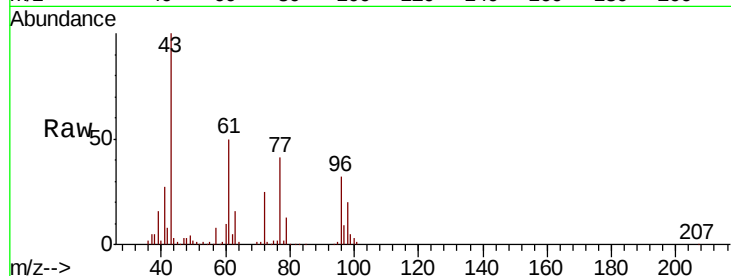
ClientSampleId :

FA19-MMW0006MS

Tot Ion:	96	Resp:	236963
Ion Ratio	Lower	Upper	
96	100		
61	159.3	0.0	324.8
98	63.7	0.0	129.2

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#28

Bromochloromethane

Concen: 54.721 ug/l

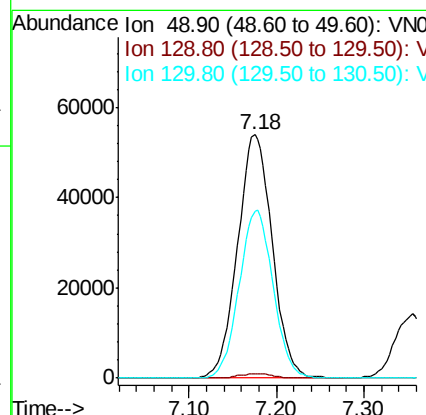
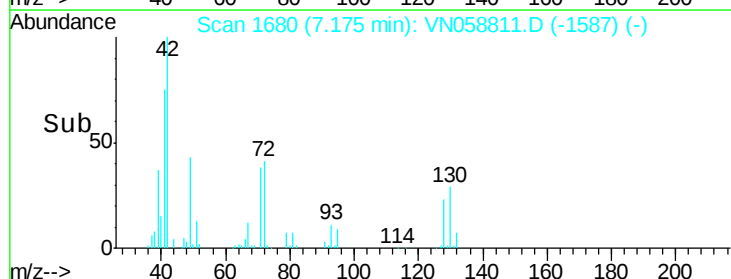
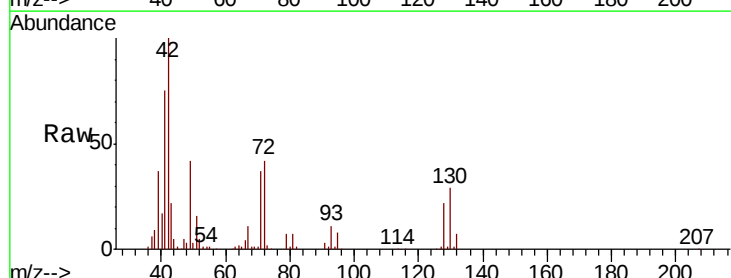
RT: 7.18 min Scan# 1680

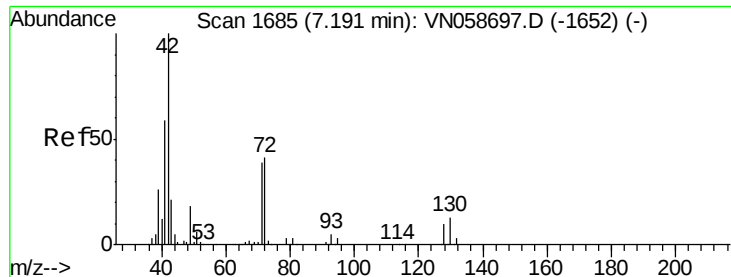
Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion:	49	Resp:	148569
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.6
130	67.4	55.0	82.4





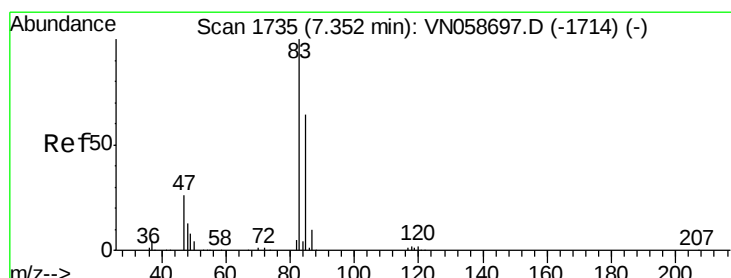
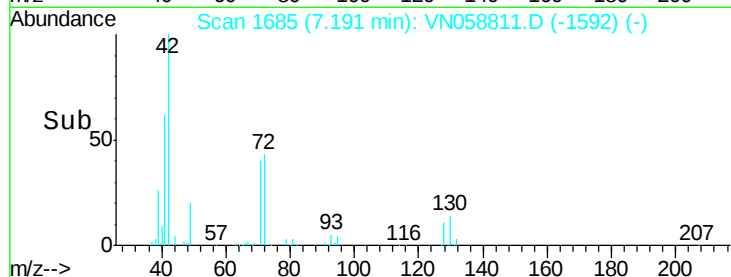
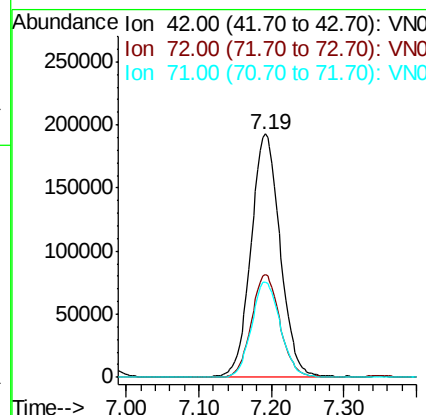
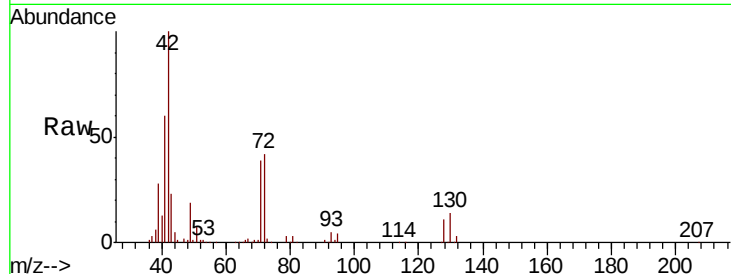
#29
Tetrahydrofuran
Concen: 274.984 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.8	49.2
71	38.6	31.1	46.7

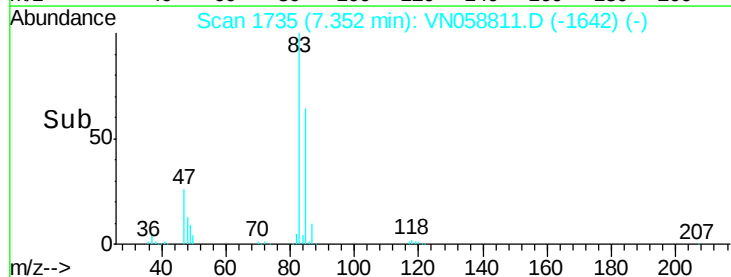
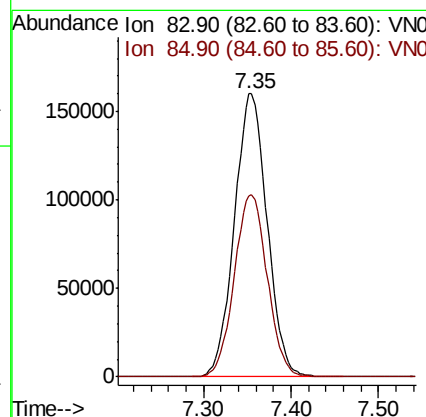
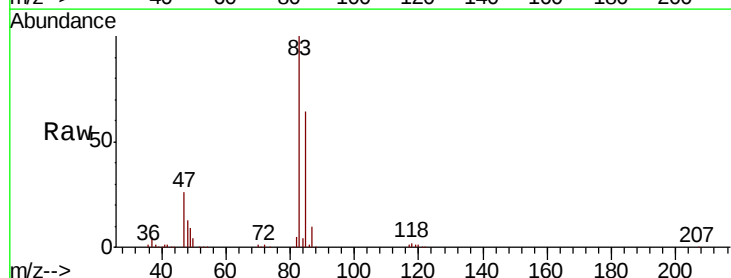
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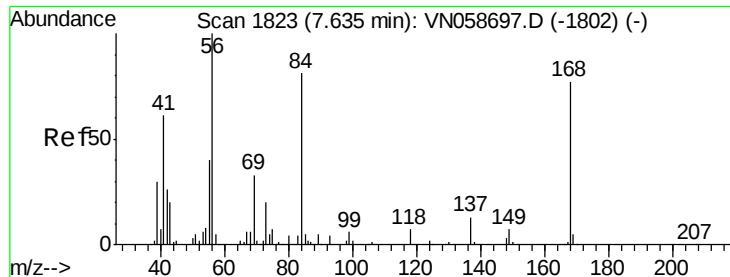
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#30
Chloroform
Concen: 52.995 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.6





#31

Cyclohexane

Concen: 49.371 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

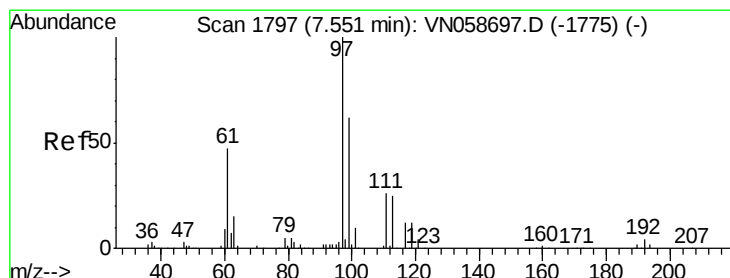
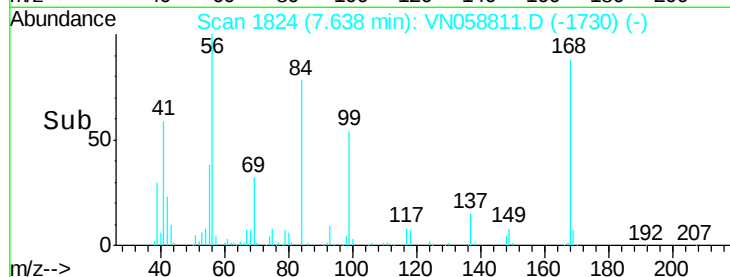
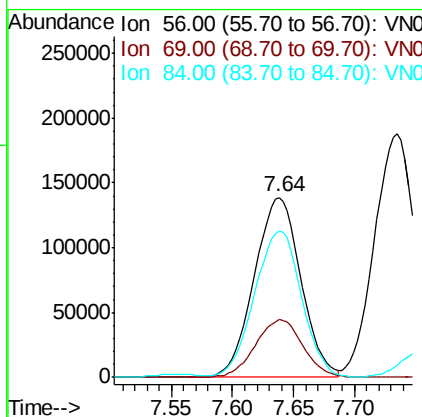
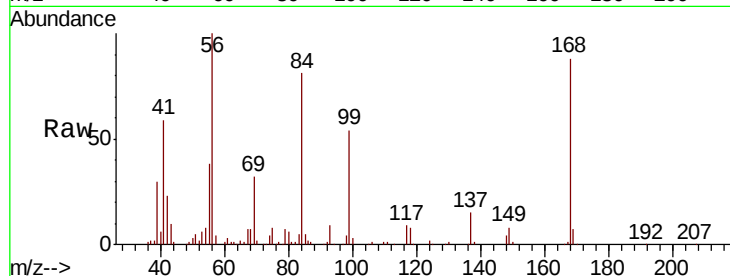
ClientSampleId :

FA19-MMW0006MS

Tot Ion:	56	Resp:	368661
Ion Ratio	Lower	Upper	
56	100		
69	32.0	26.2	39.4
84	79.6	64.9	97.3

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#32

1,1,1-Trichloroethane

Concen: 53.951 ug/l

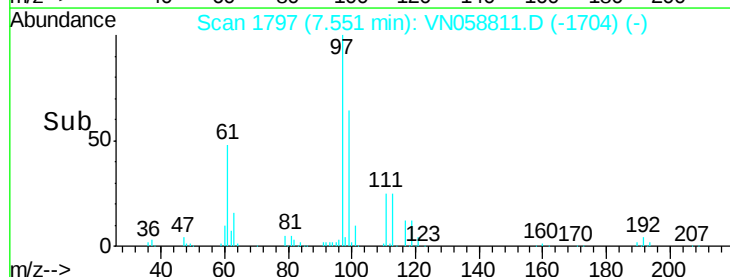
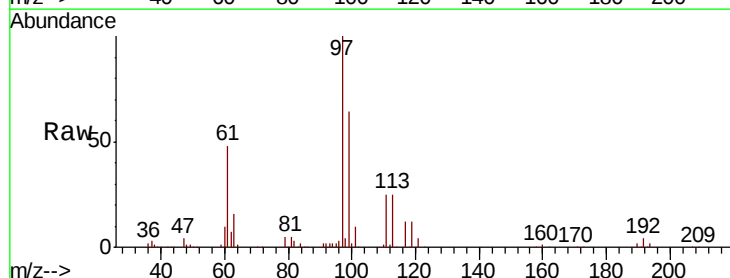
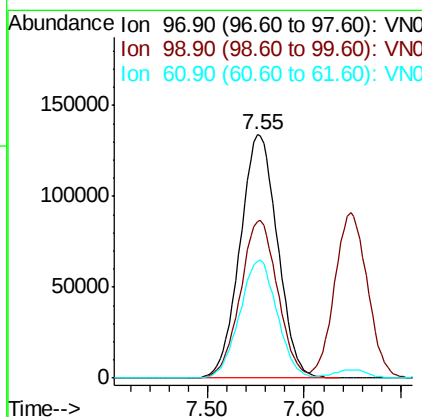
RT: 7.55 min Scan# 1797

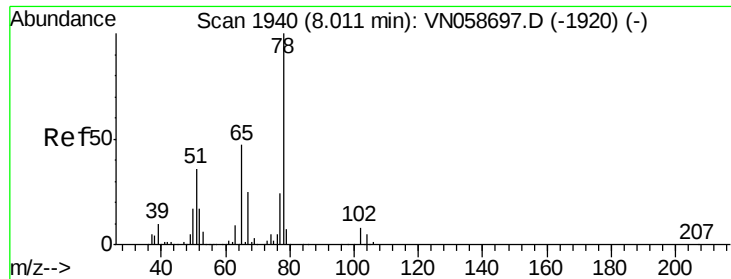
Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion:	97	Resp:	360761
Ion Ratio	Lower	Upper	
97	100		
99	64.5	50.8	76.2
61	48.4	38.1	57.1





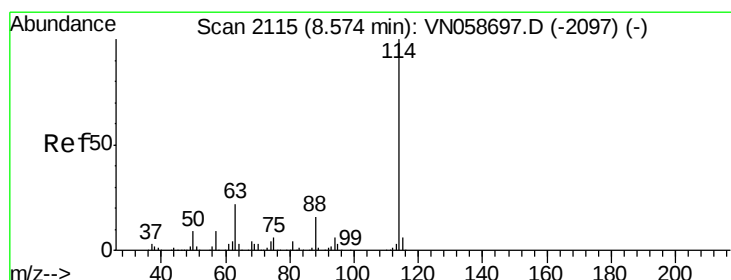
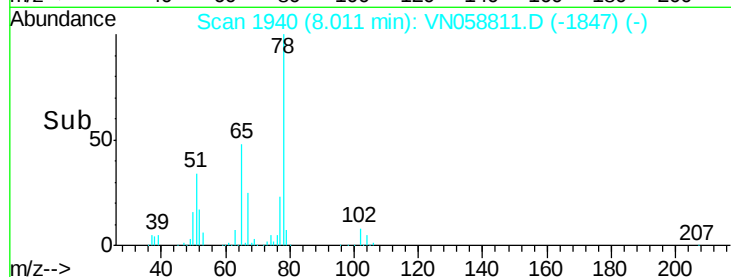
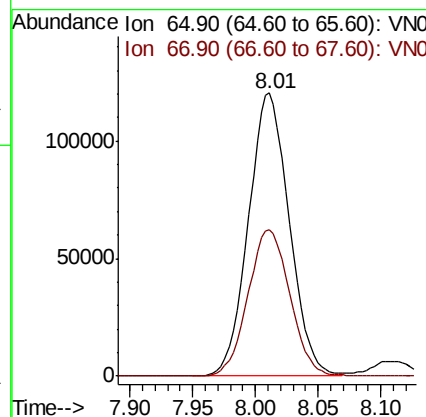
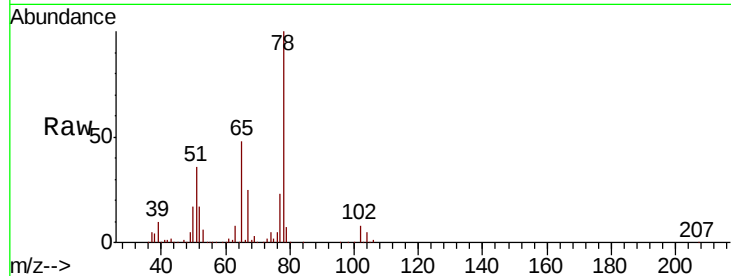
#33
 1,2-Dichloroethane-d4
 Concen: 53.634 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	273041		
67	53.2	0.0	103.8	

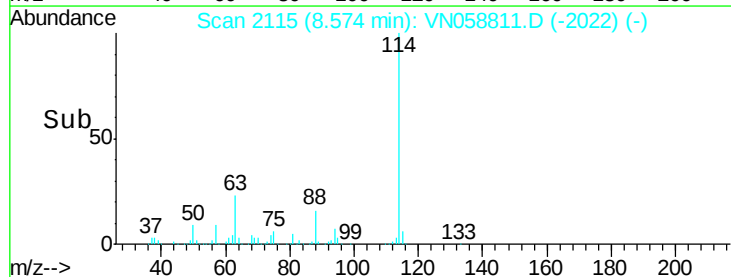
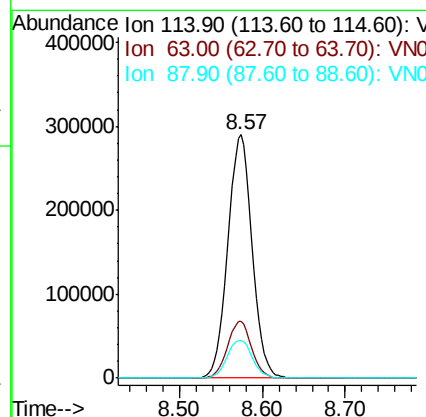
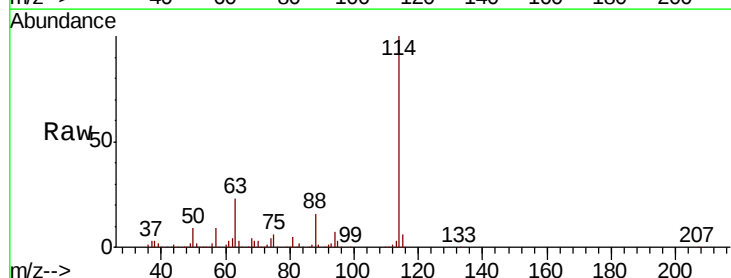
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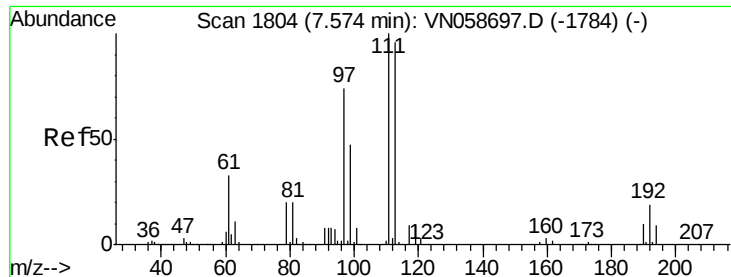
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	587746		
63	23.3	0.0	43.8	
88	15.6	0.0	32.0	





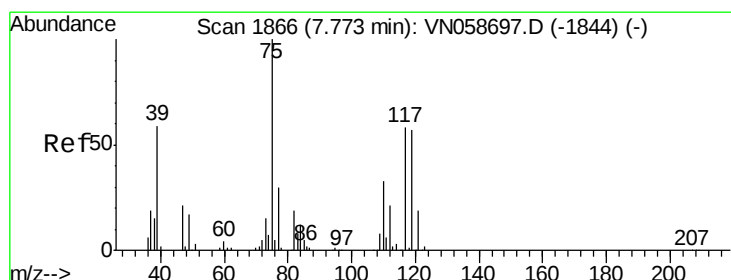
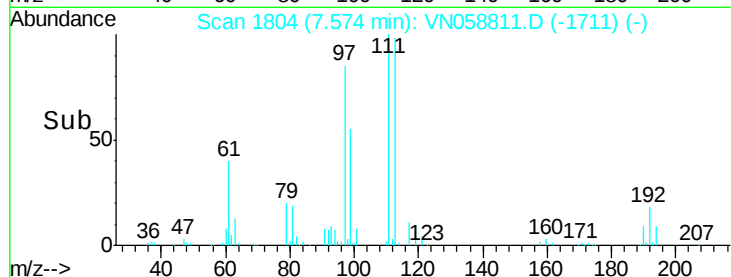
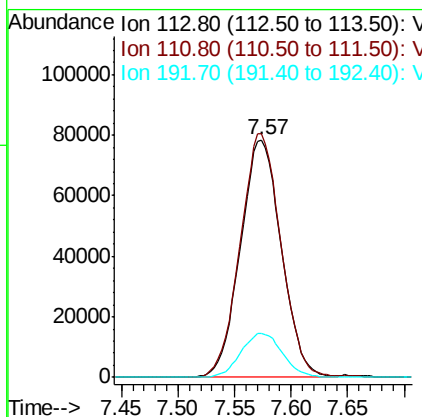
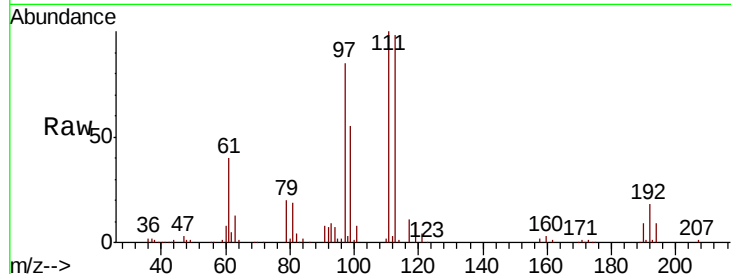
#35
Dibromofluoromethane
Concen: 54.390 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	197455		
111	102.6	82.3	123.5	
192	18.6	15.0	22.6	

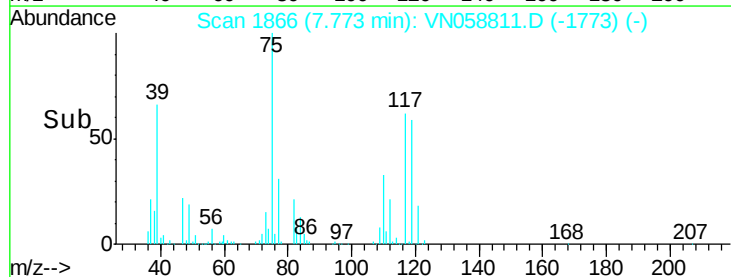
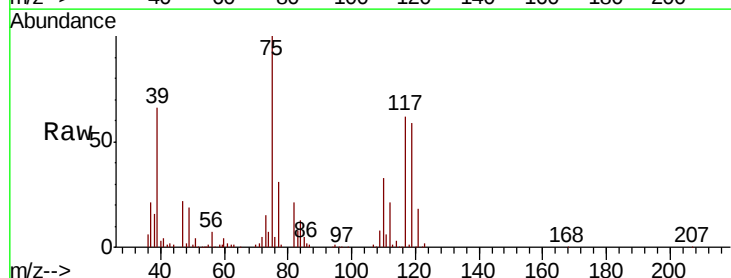
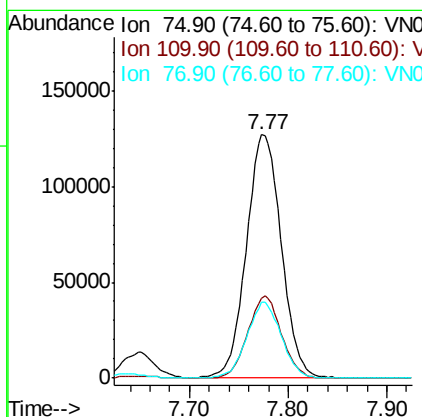
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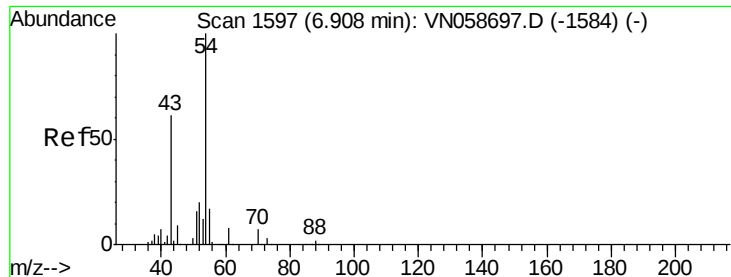
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#36
1,1-Dichloropropene
Concen: 51.917 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	308520		
110	32.7	16.6	49.8	
77	30.5	24.6	37.0	





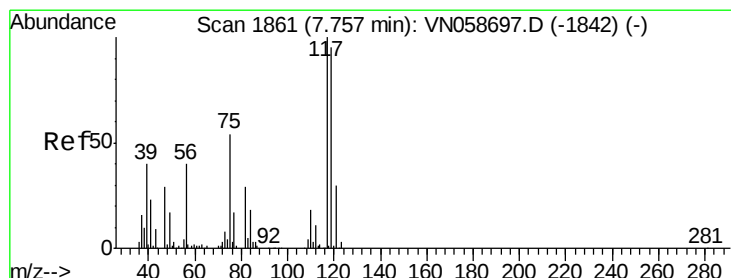
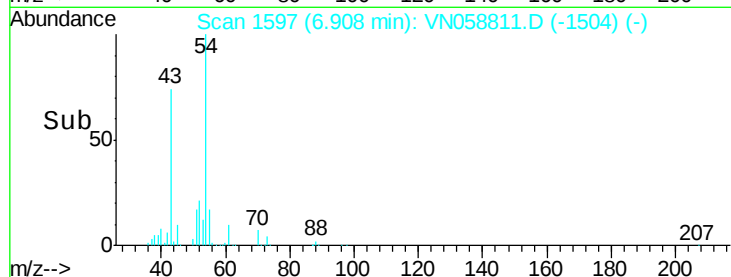
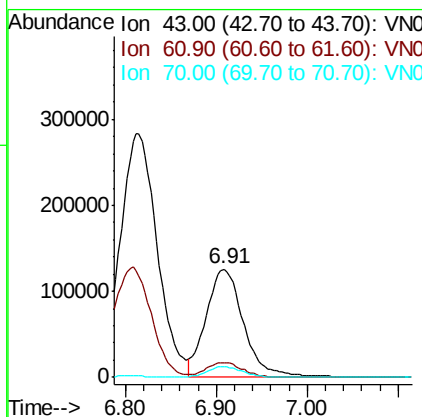
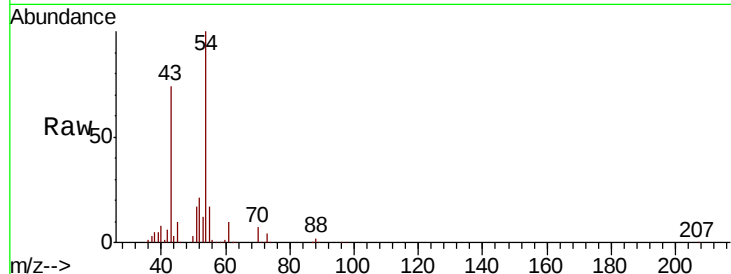
#37
Ethyl Acetate
Concen: 58.612 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.3	16.9
70	9.6	7.2	10.8

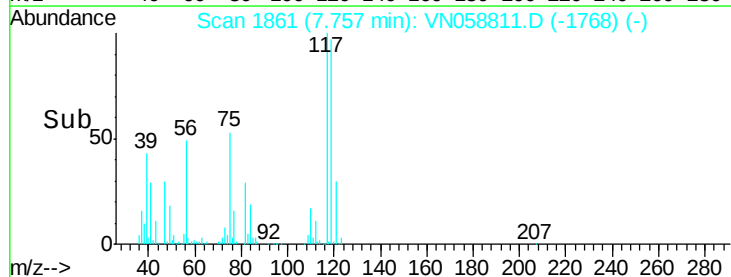
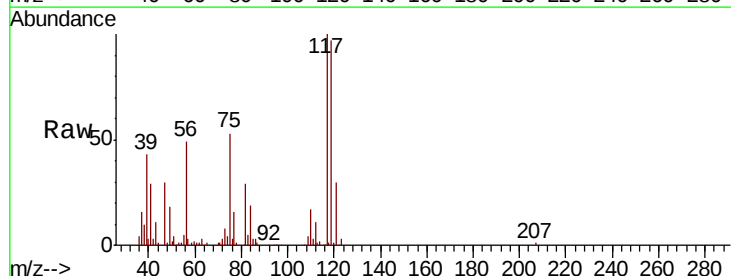
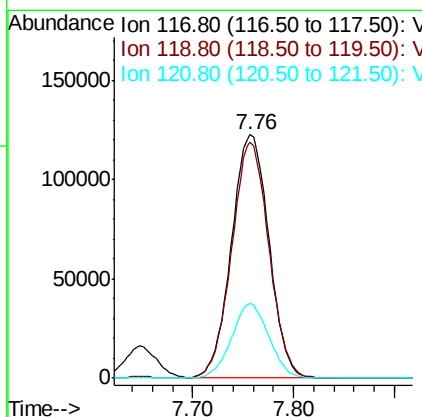
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#38
Carbon Tetrachloride
Concen: 54.619 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.7	113.5
121	30.5	23.9	35.9





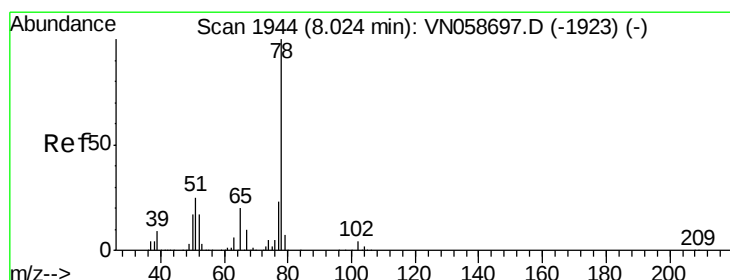
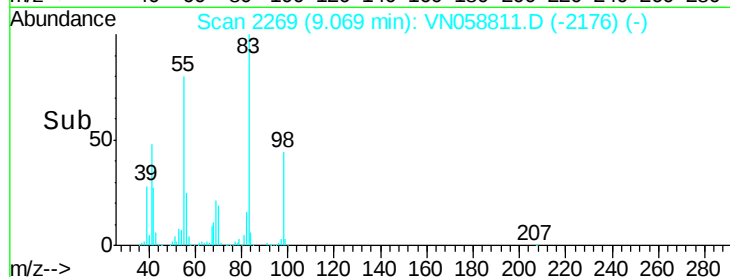
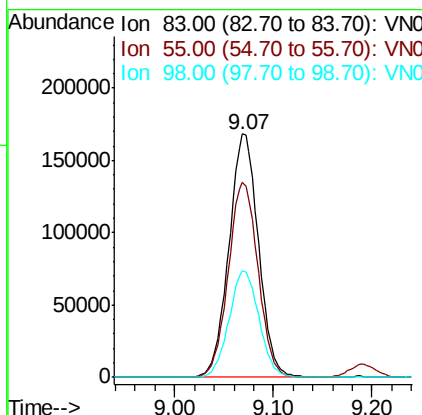
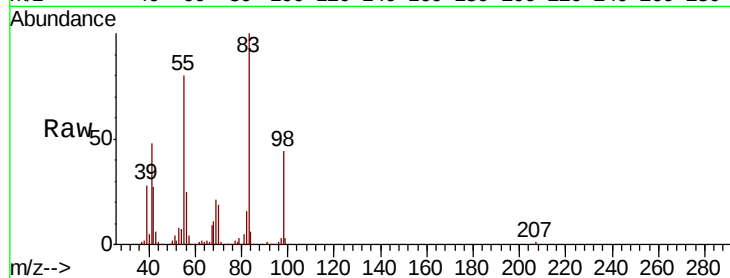
#39
Methvlcvclohexane
Concen: 50.848 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	63.4	95.0
98	43.8	35.1	52.7

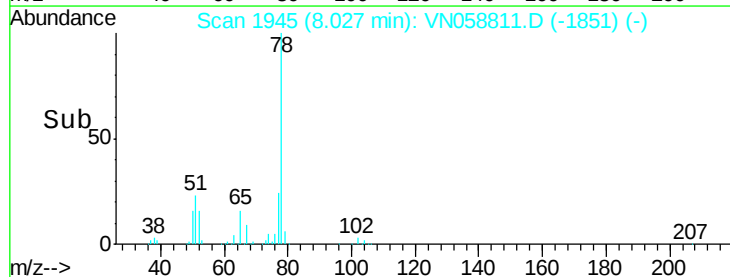
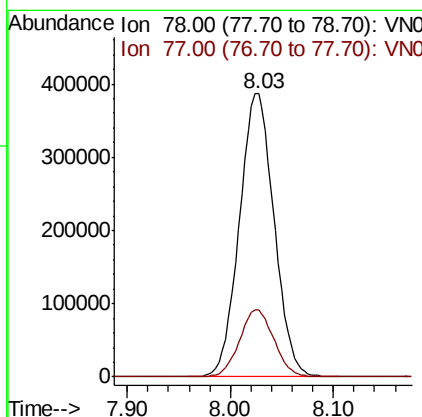
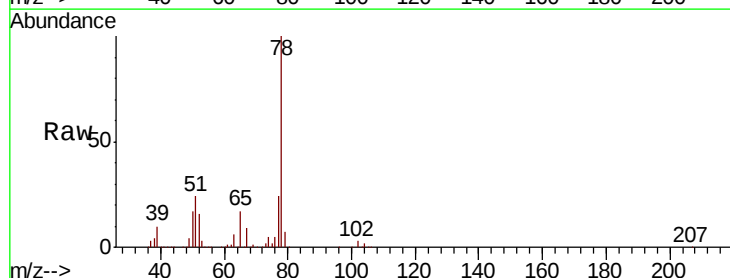
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#40
Benzene
Concen: 53.025 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





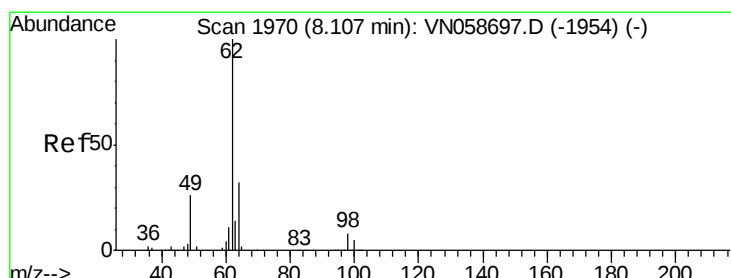
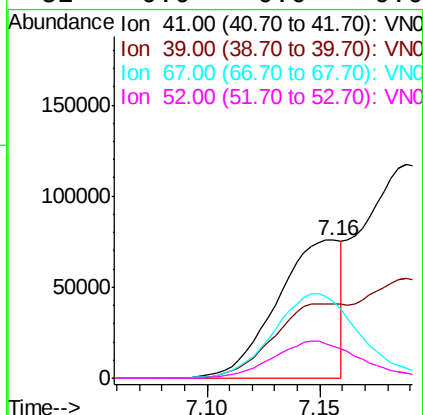
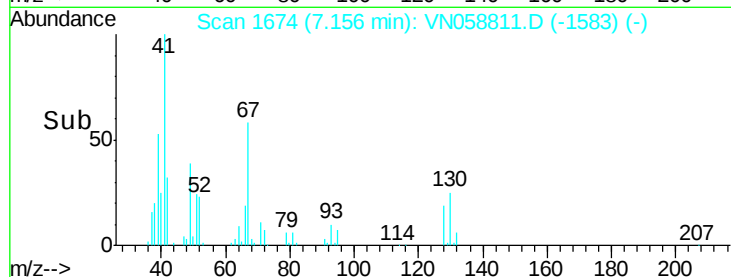
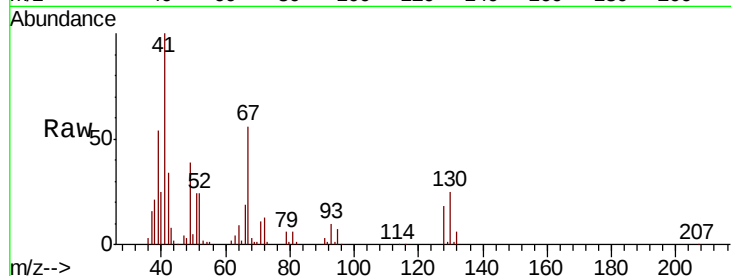
#41
Methacrylonitrile
Concen: 52.960 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		148991		
39	0.0	115.4	173.2#		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

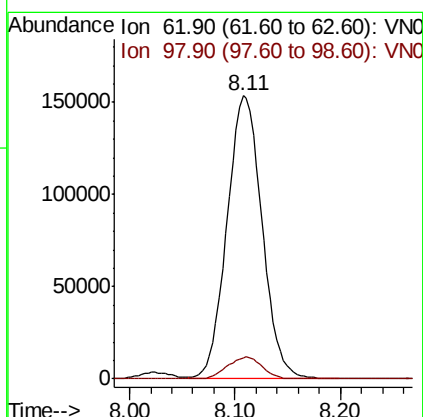
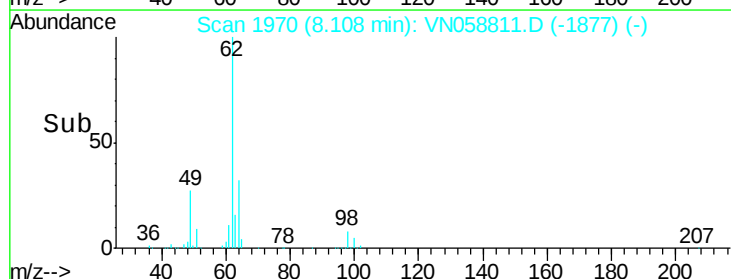
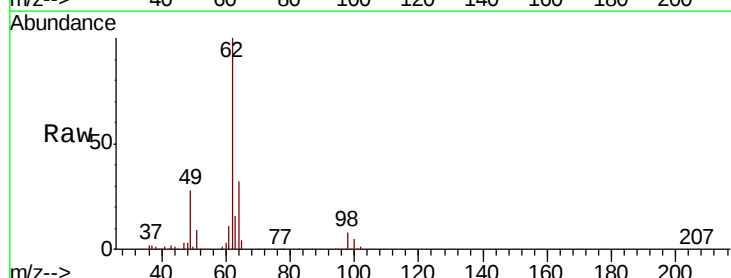
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 53.747 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		352413		
98	7.6	0.0	15.8		





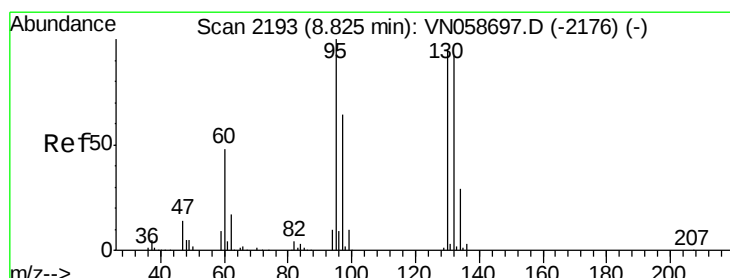
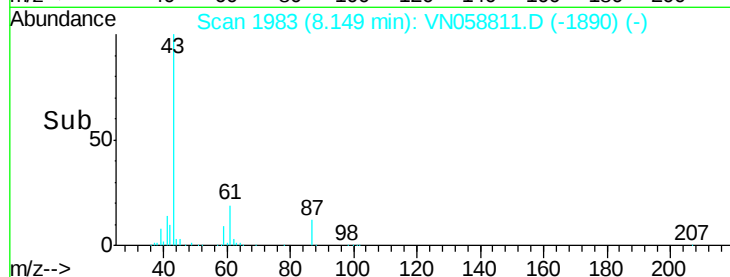
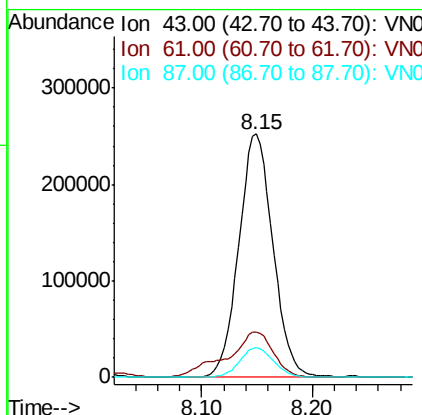
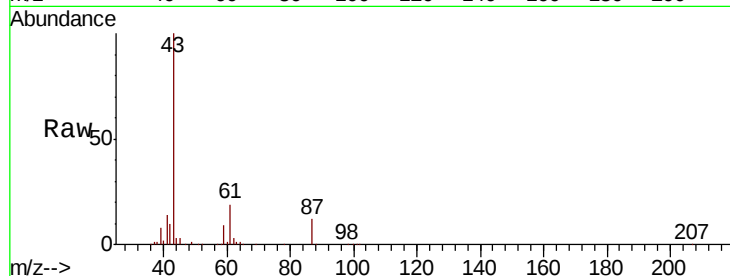
#43
Isopropyl Acetate
Concen: 52.819 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.3	30.5
87	12.1	9.8	14.6

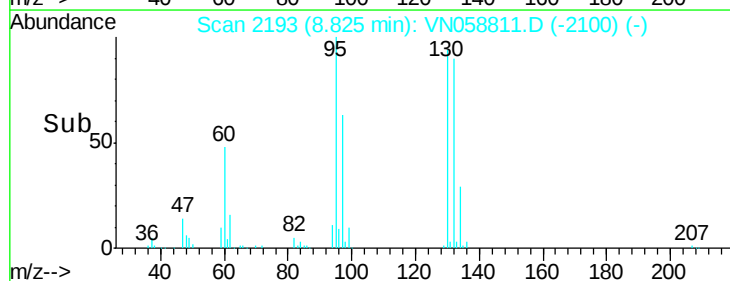
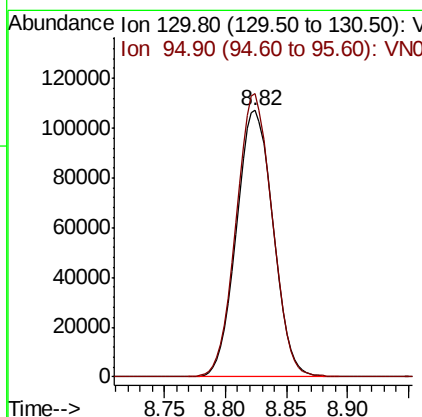
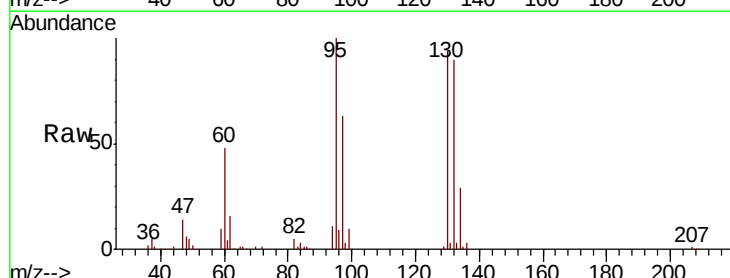
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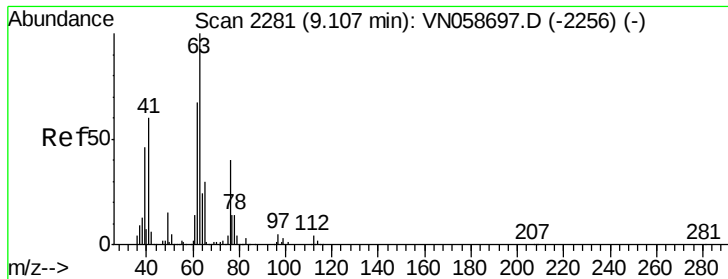
MMDadoda
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#44
Trichloroethene
Concen: 52.658 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	211.2





#45

1,2-Dichloropropane

Concen: 54.304 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MS

Tot Ion: 63 Resp: 248104

Ion Ratio Lower Upper

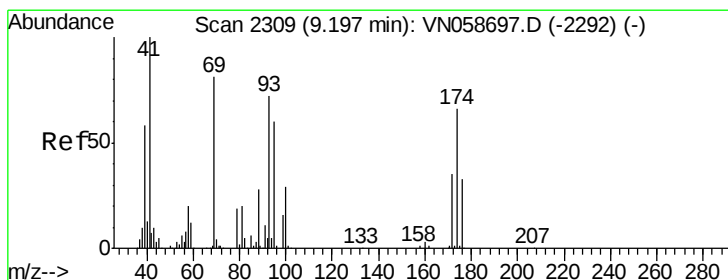
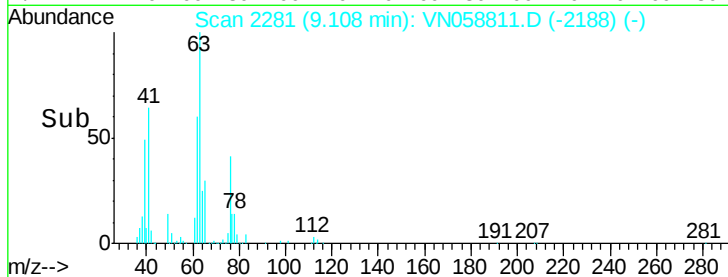
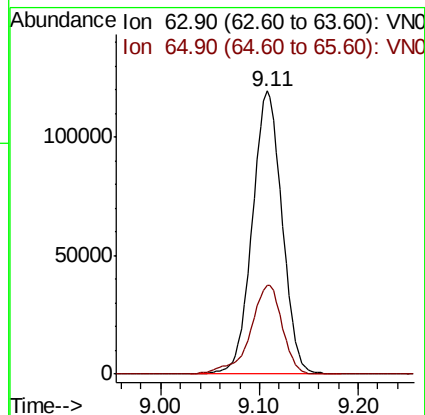
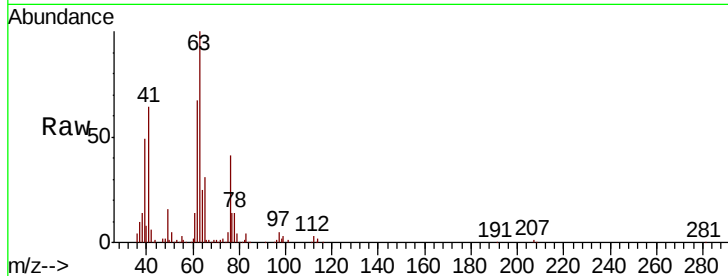
63 100

65 31.2 24.1 36.1

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#46

Dibromomethane

Concen: 55.613 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

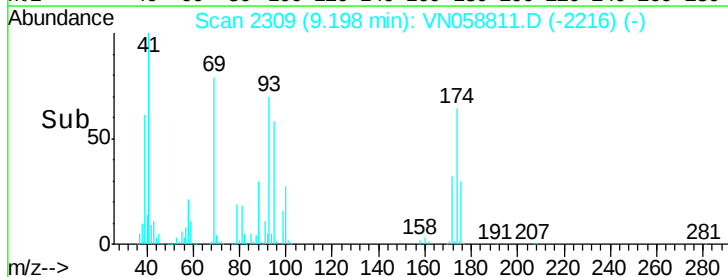
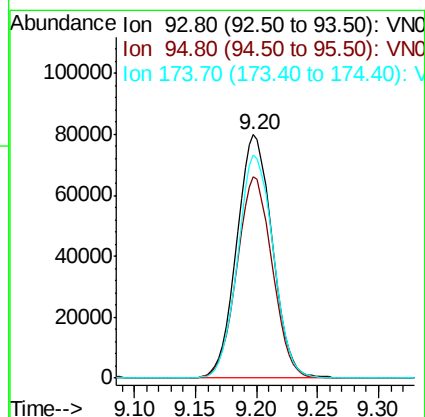
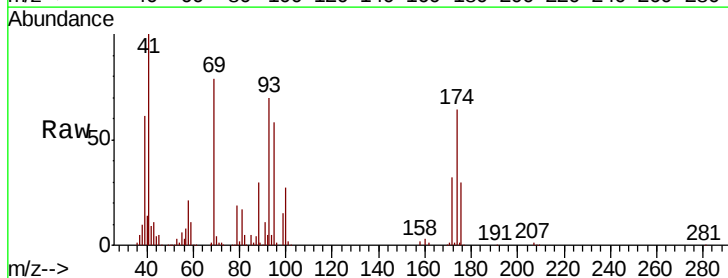
Tgt Ion: 93 Resp: 161092

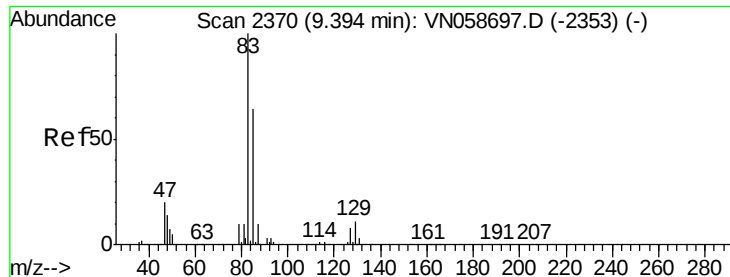
Ion Ratio Lower Upper

93 100

95 82.5 66.6 100.0

174 91.8 75.2 112.8





#47

Bromodichloromethane

Concen: 56.639 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

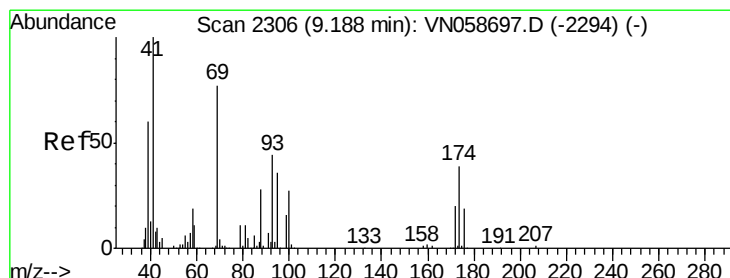
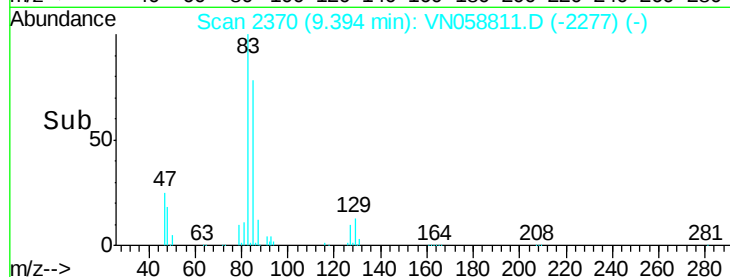
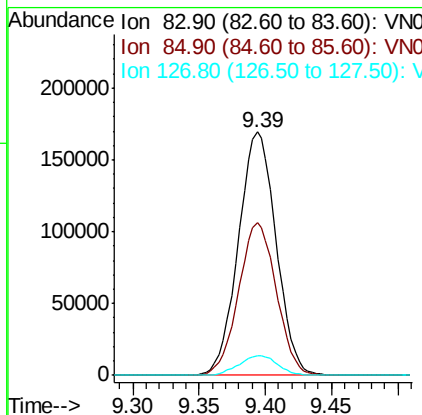
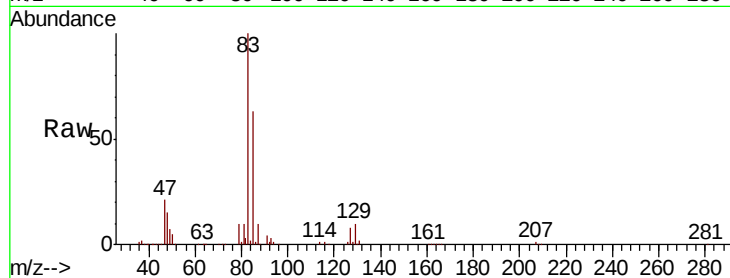
ClientSampleId :

FA19-MMW0006MS

Tot Ion:	83	Resp:	334096
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	8.0	6.3	9.5

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#48

Methyl methacrylate

Concen: 55.326 ug/l

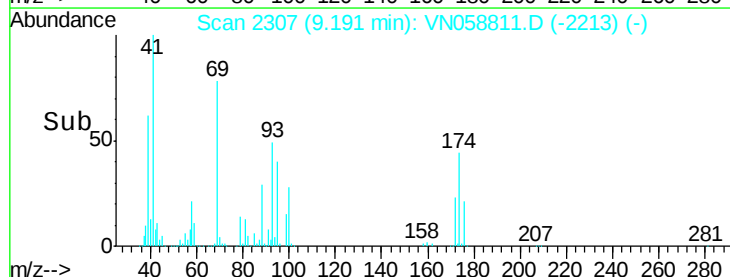
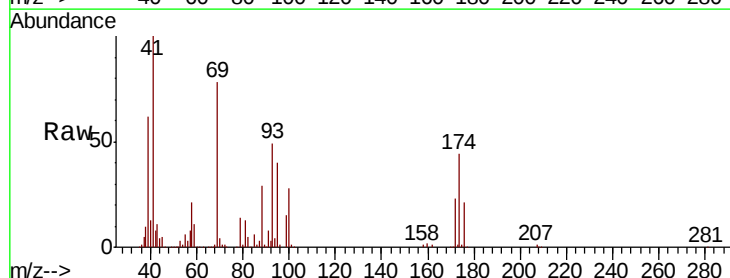
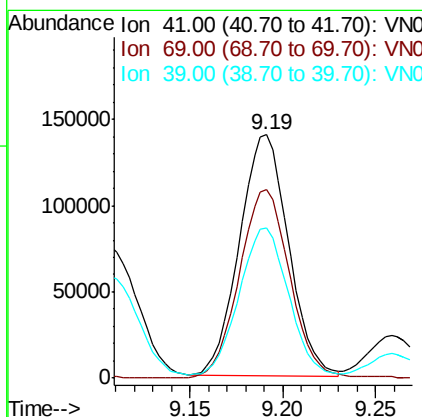
RT: 9.19 min Scan# 2307

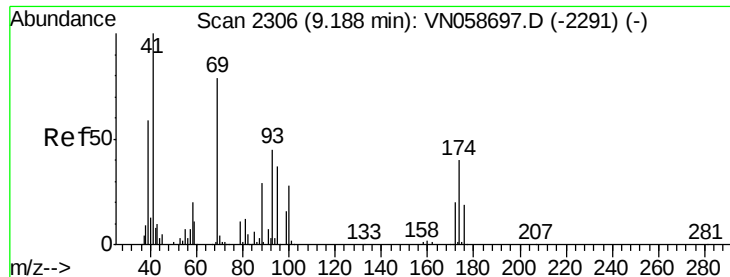
Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion:	41	Resp:	256759
Ion	Ratio	Lower	Upper
41	100		
69	80.5	63.4	95.2
39	63.8	48.9	73.3





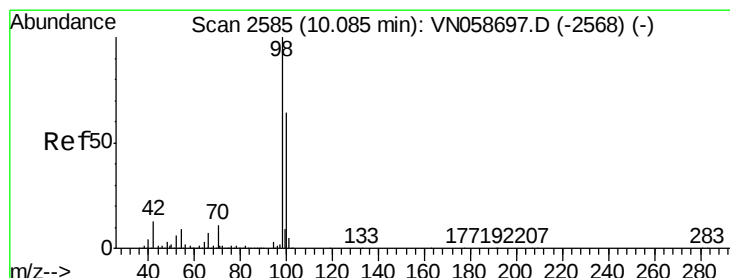
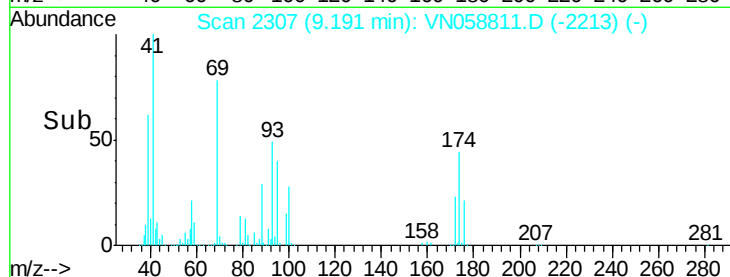
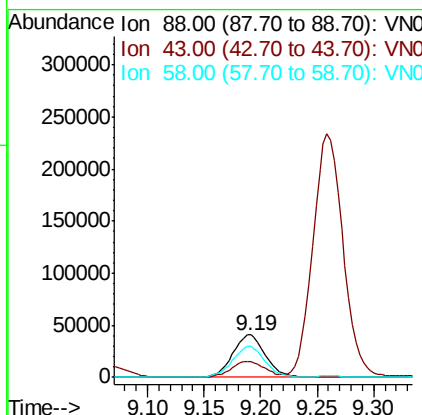
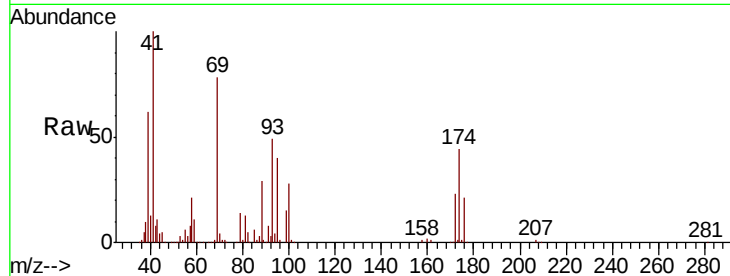
#49
1,4-Dioxane
Concen: 1150.816 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	28.6	43.0
58	71.5	57.2	85.8

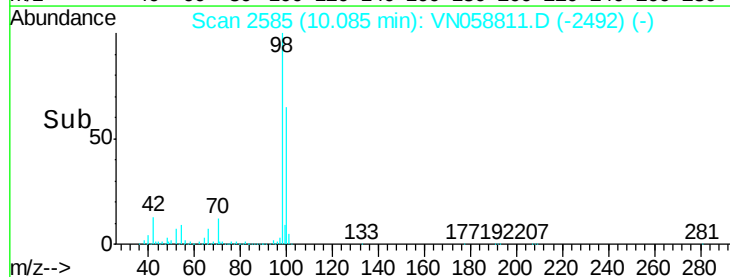
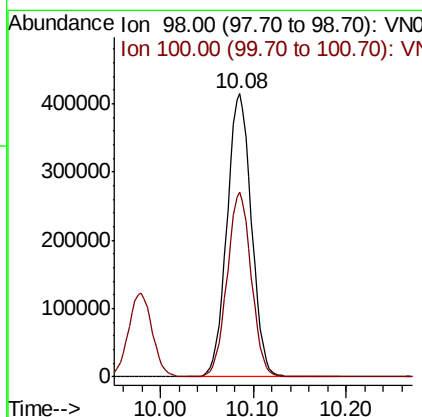
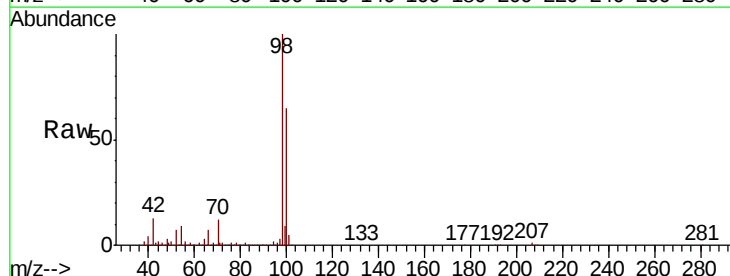
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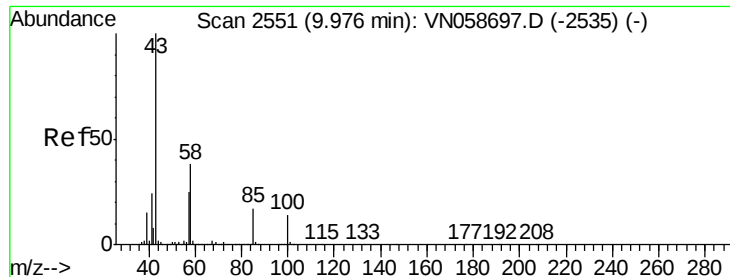
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#50
Toluene-d8
Concen: 52.228 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 297.986 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MS

Tot Ion: 43 Resp: 1713369

Ion Ratio Lower Upper

43 100

58 37.2

30.3

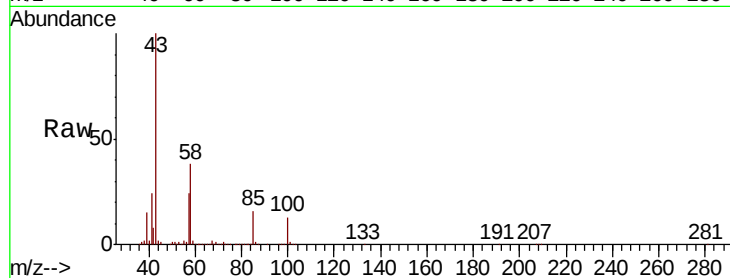
45.5

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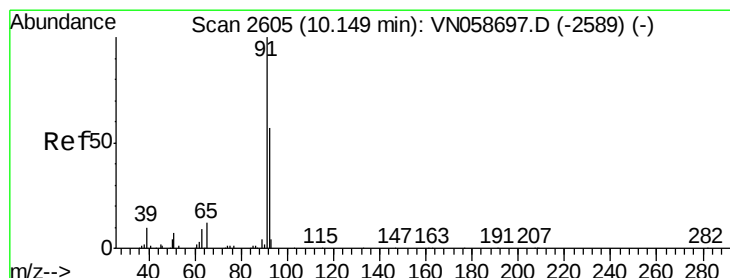
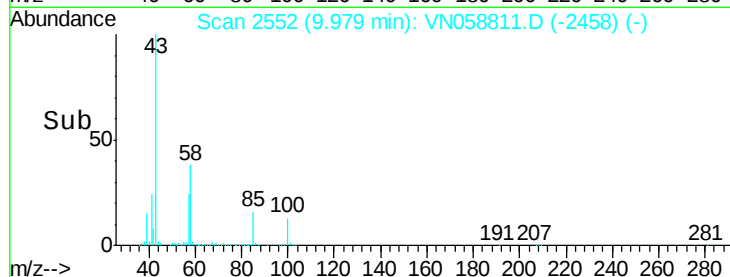
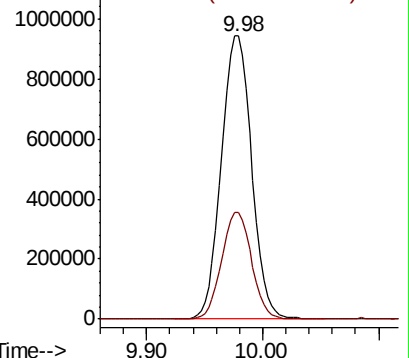
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.966 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion: 92 Resp: 552882

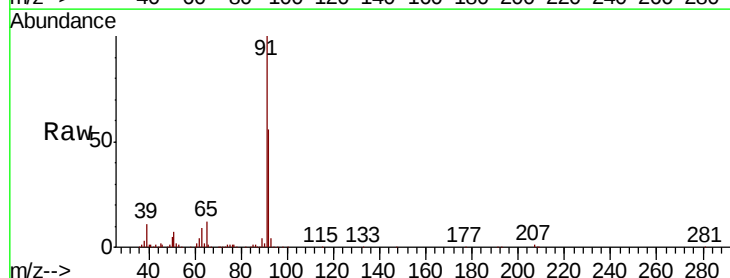
Ion Ratio Lower Upper

92 100

91 176.9

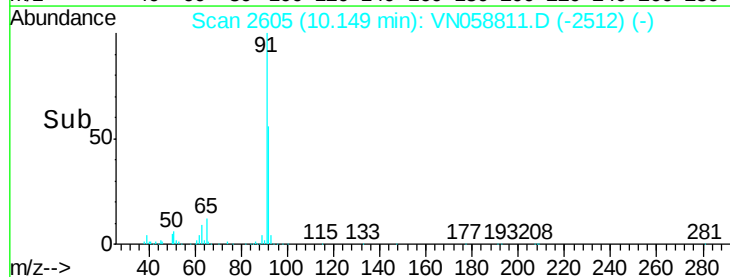
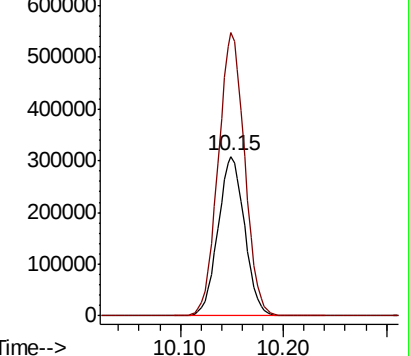
139.1

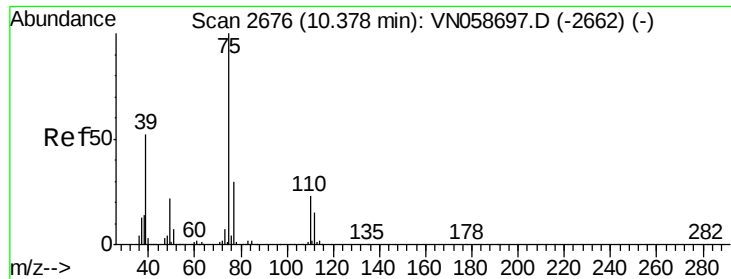
208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





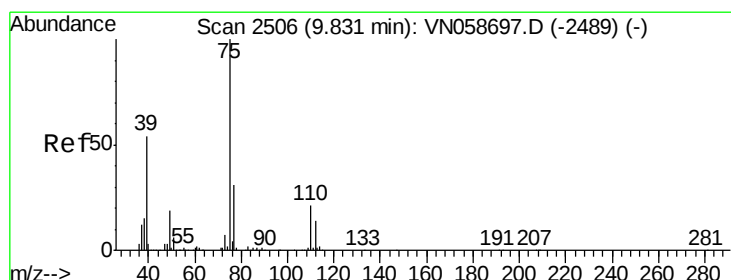
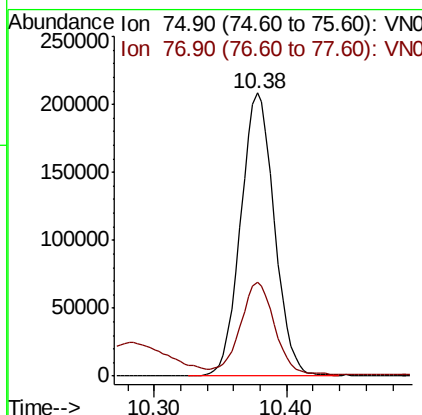
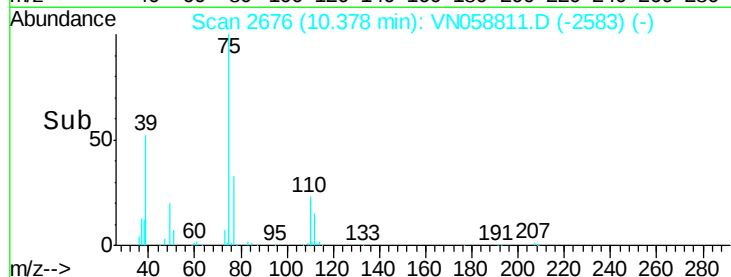
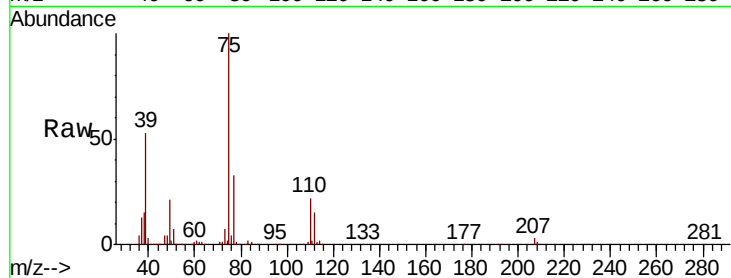
#53
t-1,3-Dichloropropene
Concen: 54.046 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion: 75 Resp: 365640
Ion Ratio Lower Upper
75 100
77 32.6 26.2 39.4

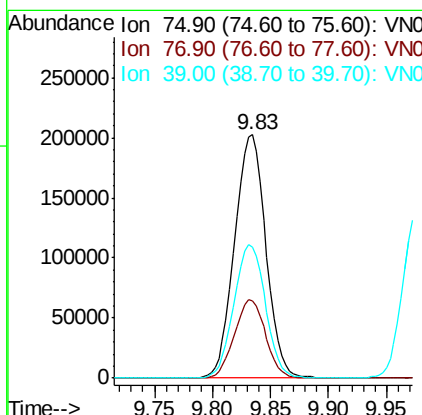
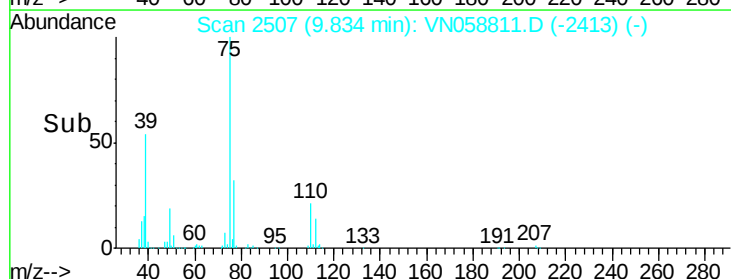
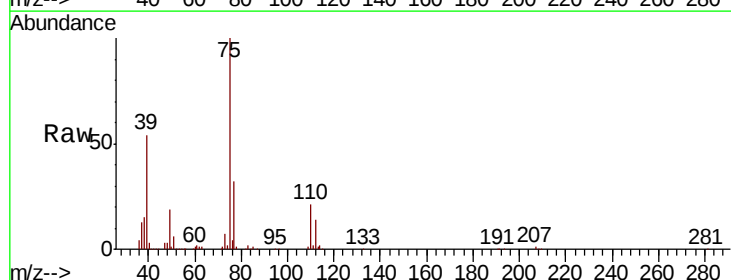
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#54
cis-1,3-Dichloropropene
Concen: 52.794 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion: 75 Resp: 379226
Ion Ratio Lower Upper
75 100
77 31.8 24.4 36.6
39 53.9 43.1 64.7





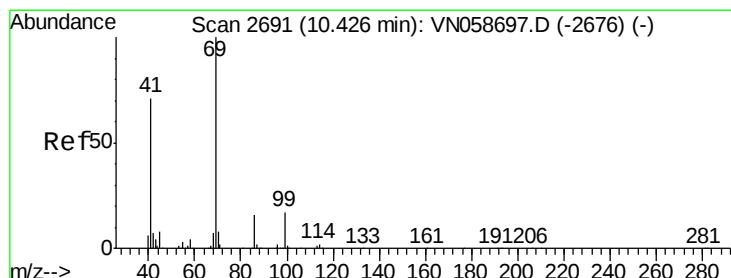
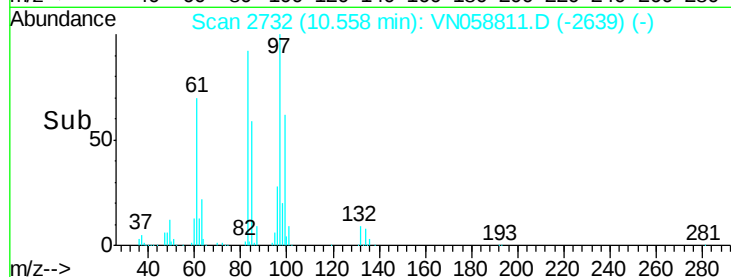
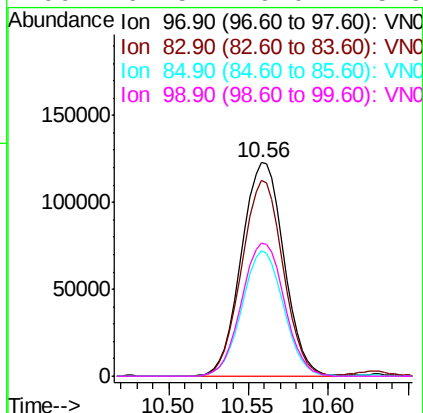
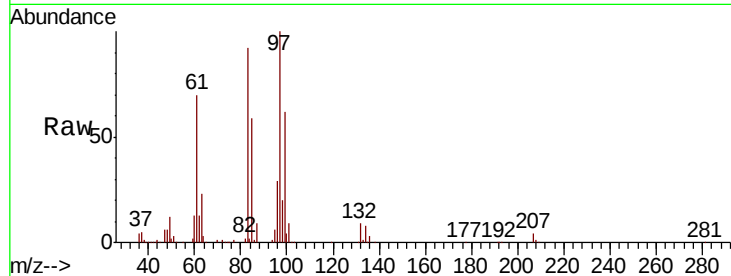
#55
 1,1,2-Trichloroethane
 Concen: 52.316 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MS

Tot Ion	97	Resp	223515
Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.2	106.8
85	58.8	46.7	70.1
99	62.5	49.0	73.6

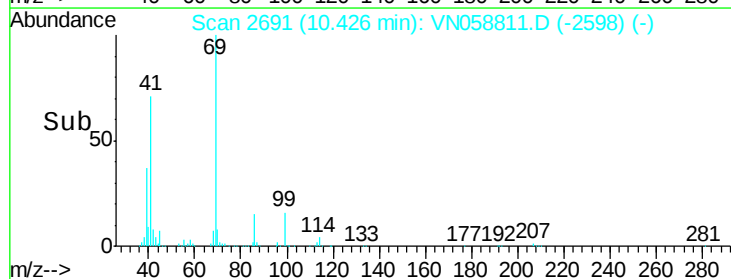
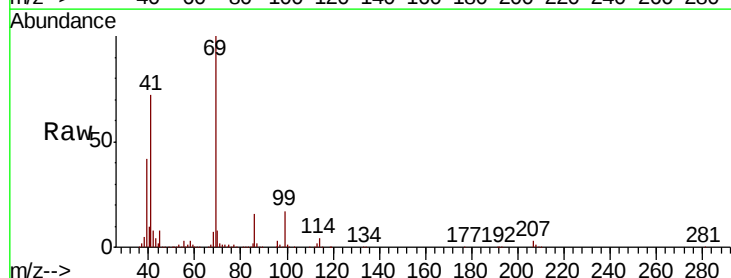
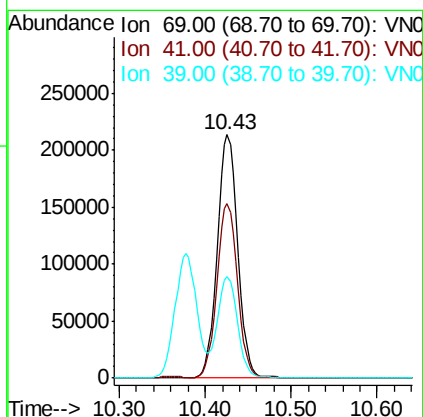
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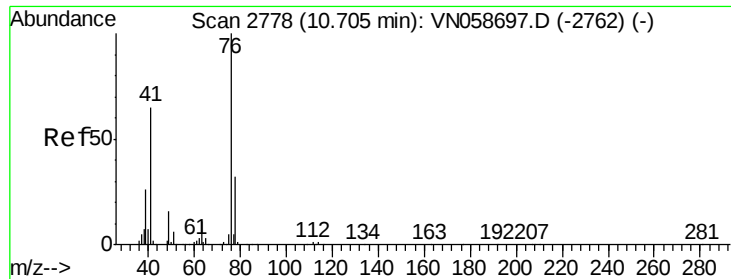
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#56
 Ethyl methacrylate
 Concen: 56.649 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion	69	Resp	353584
Ion	Ratio	Lower	Upper
69	100		
41	71.6	56.8	85.2
39	40.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 54.455 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MS

Tot Ion: 76 Resp: 396452

Ion Ratio Lower Upper

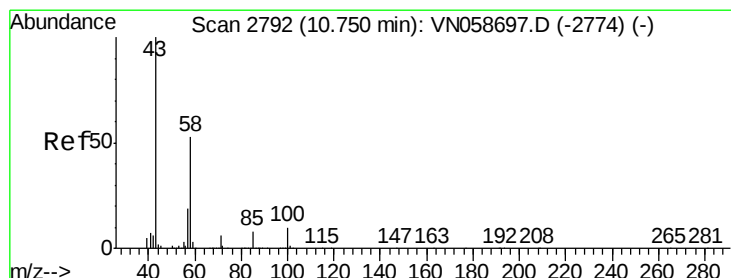
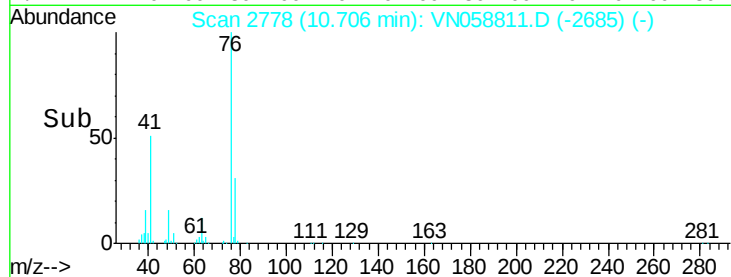
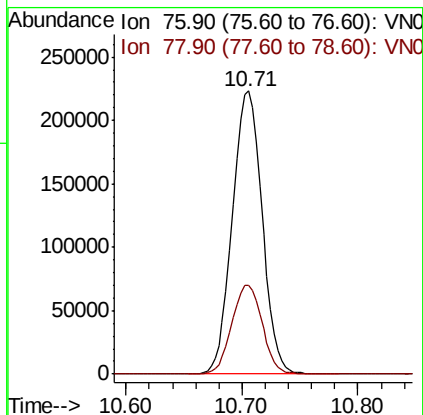
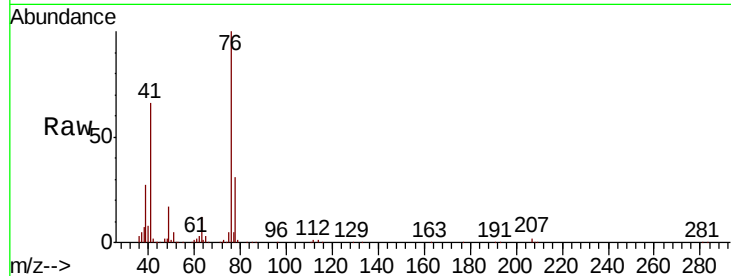
76 100

78 32.3 25.9 38.9

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#59

2-Hexanone

Concen: 285.347 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058811.D

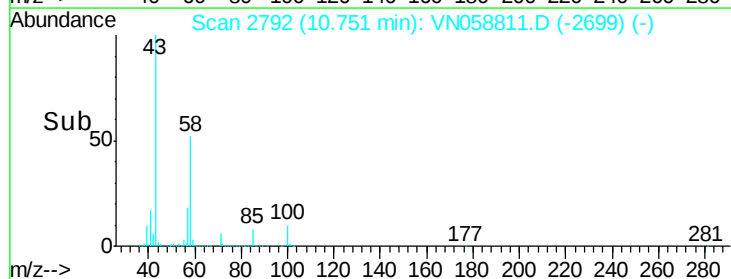
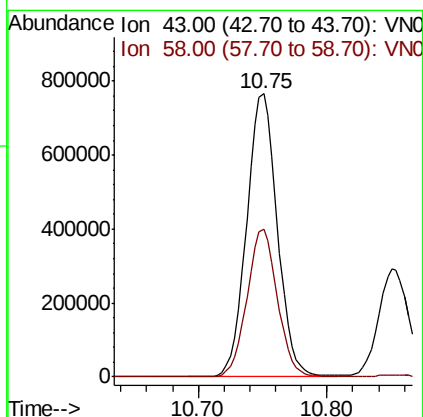
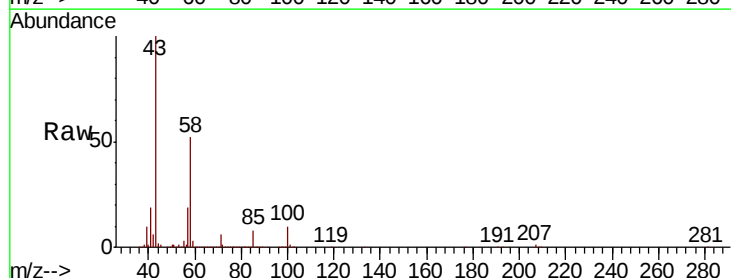
Acq: 16 Oct 2019 18:46

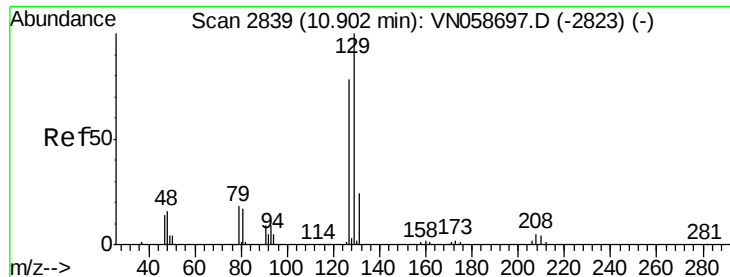
Tgt Ion: 43 Resp: 1267937

Ion Ratio Lower Upper

43 100

58 51.7 26.1 78.3





#60

Dibromochloromethane

Concen: 56.222 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MS

Tot Ion:129 Resp: 247786

Ion Ratio Lower Upper

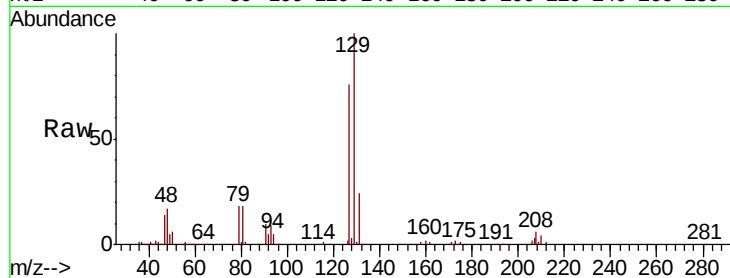
129 100

127 76.6 38.5 115.3

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

150000

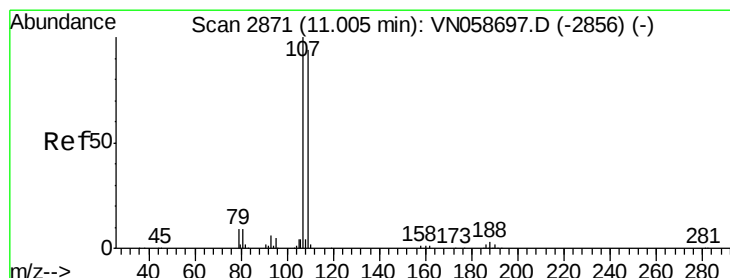
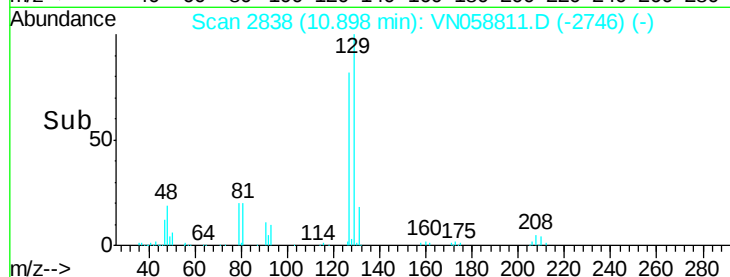
100000

50000

0

10.80 10.90 11.00

Time-->



#61

1,2-Dibromoethane

Concen: 53.560 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058811.D

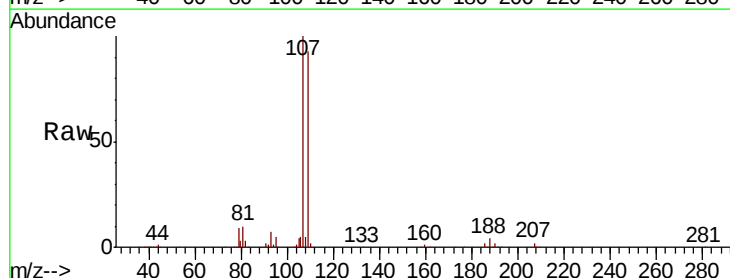
Acq: 16 Oct 2019 18:46

Tgt Ion:107 Resp: 229247

Ion Ratio Lower Upper

107 100

109 95.0 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

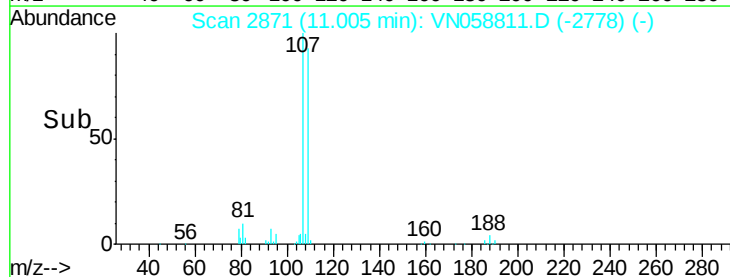
100000

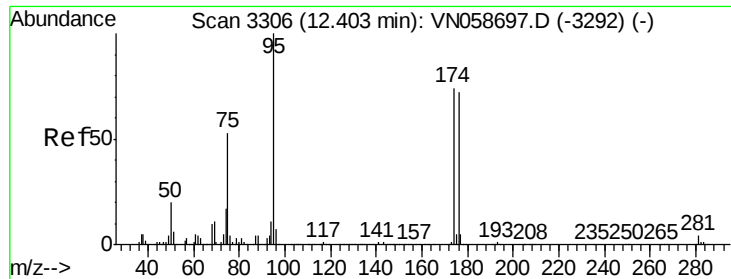
50000

0

10.90 11.00 11.10

Time-->





#62

4-Bromofluorobenzene

Concen: 52.161 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

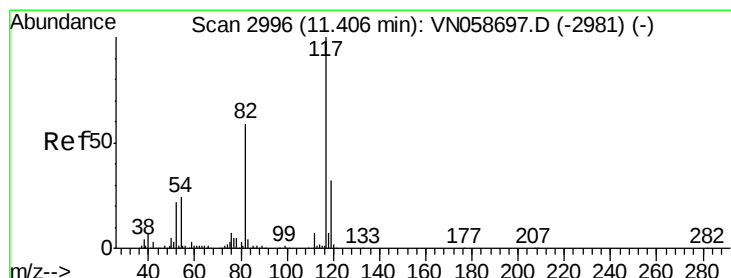
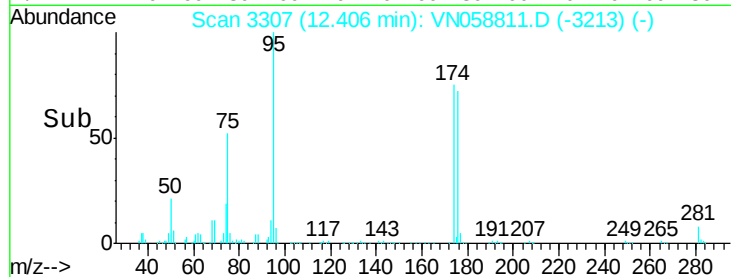
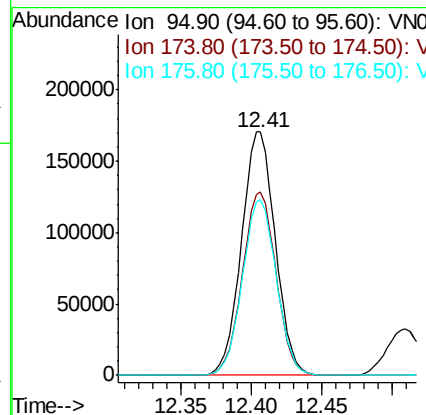
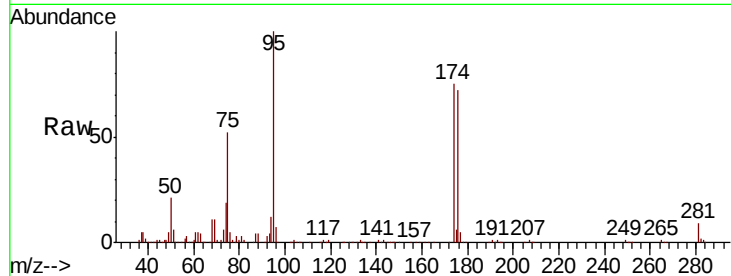
ClientSampleId :

FA19-MMW0006MS

Tot Ion:	95	Resp:	286640
Ion Ratio	Lower	Upper	
95	100		
174	74.9	0.0	150.4
176	72.6	0.0	146.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

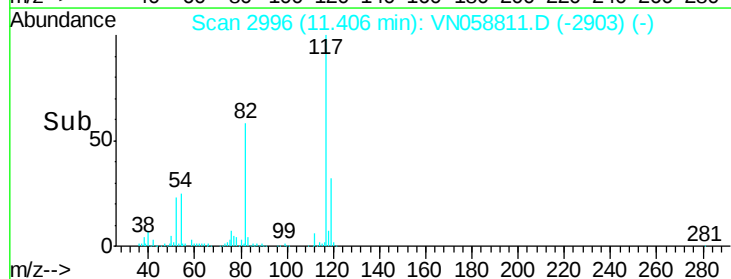
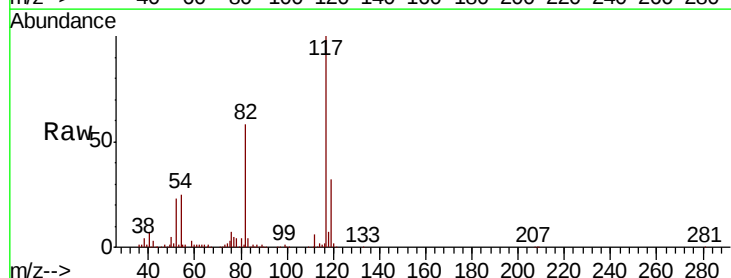
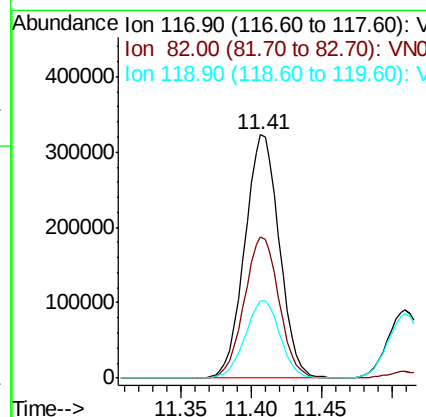
RT: 11.41 min Scan# 2996

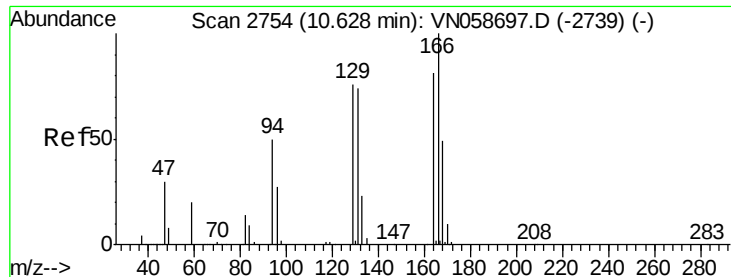
Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion:	117	Resp:	555122
Ion Ratio	Lower	Upper	
117	100		
82	58.1	47.0	70.4
119	31.8	25.4	38.2





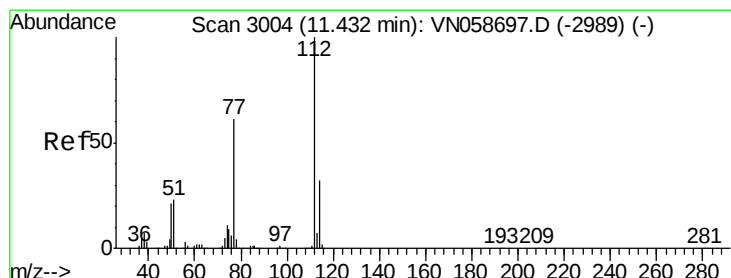
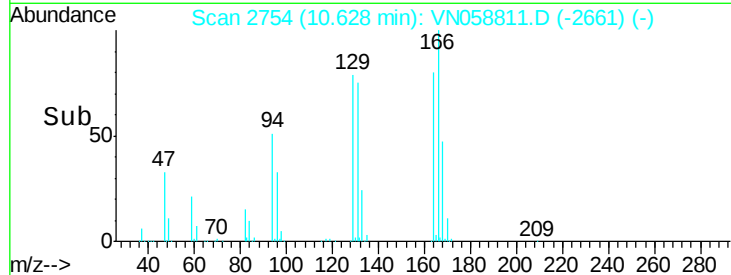
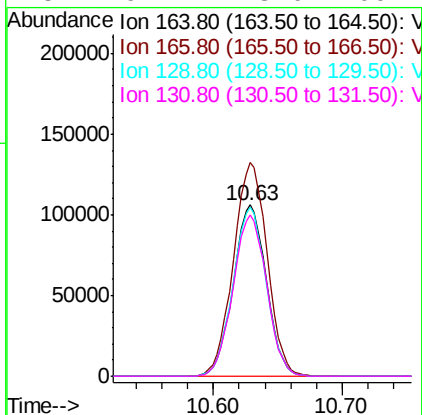
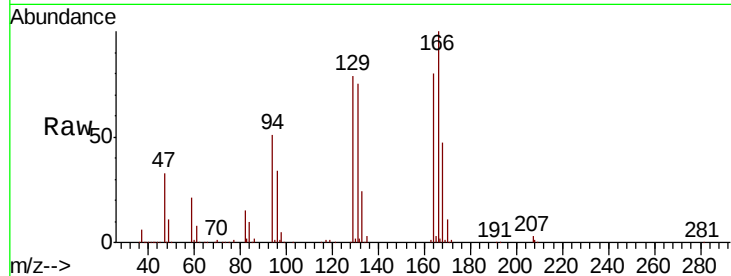
#64
Tetrachloroethene
Concen: 48.678 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	124.7	99.3	148.9	
129	98.6	75.2	112.8	
131	94.1	73.0	109.4	

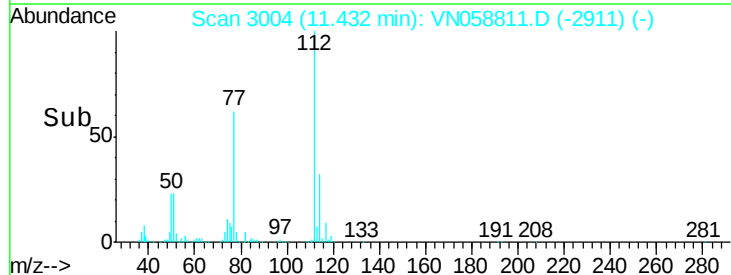
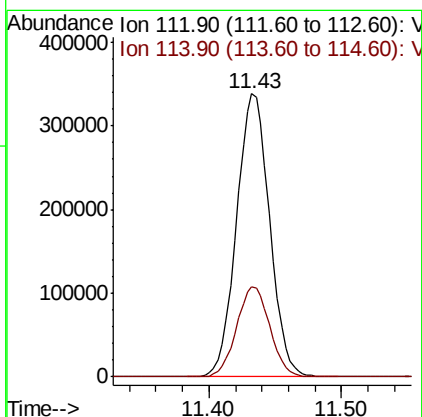
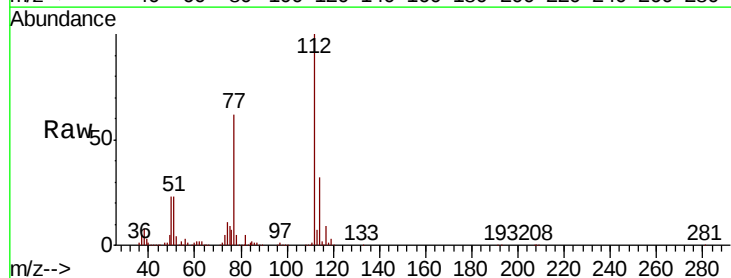
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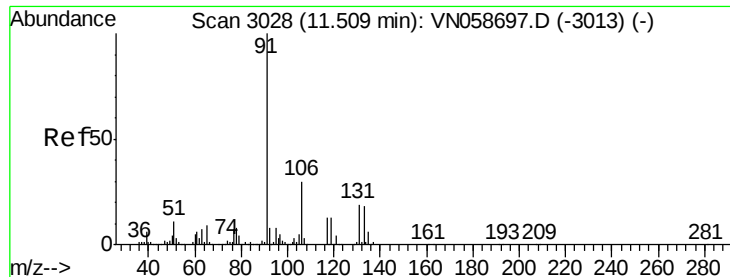
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#65
Chlorobenzene
Concen: 51.827 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.0	25.2	37.8	





#66

1,1,1,2-Tetrachloroethane

Concen: 53.883 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

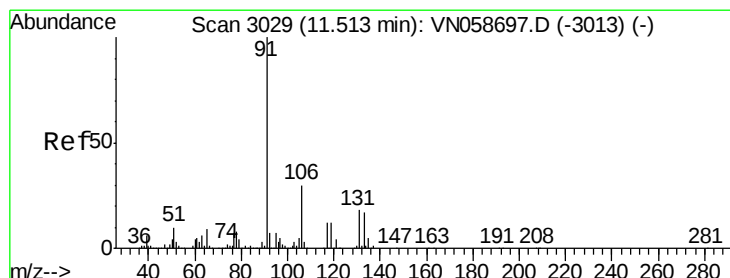
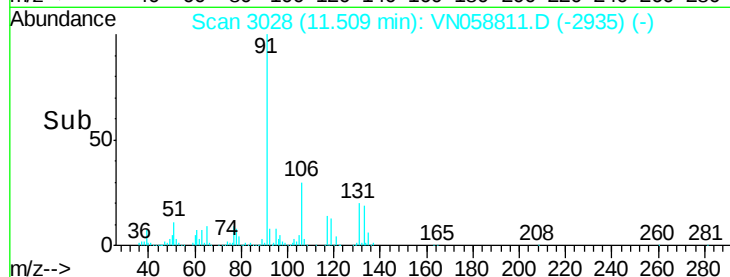
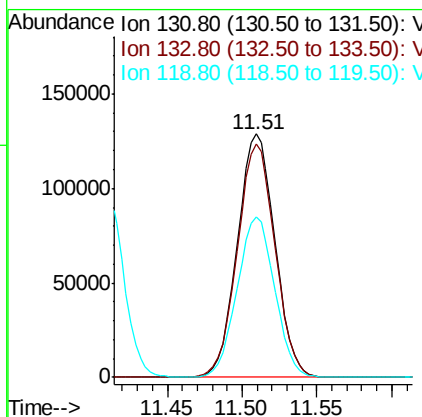
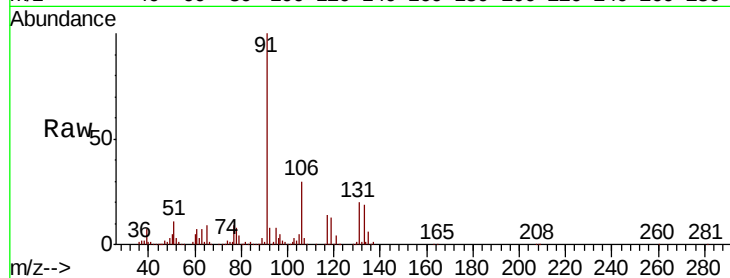
ClientSampleId :

FA19-MMW0006MS

Tot Ion:	131	Resp:	224616
Ion Ratio	Lower	Upper	
131	100		
133	96.6	47.6	142.9
119	65.8	33.0	98.9

Manual Integrations
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#67

Ethyl Benzene

Concen: 54.081 ug/l

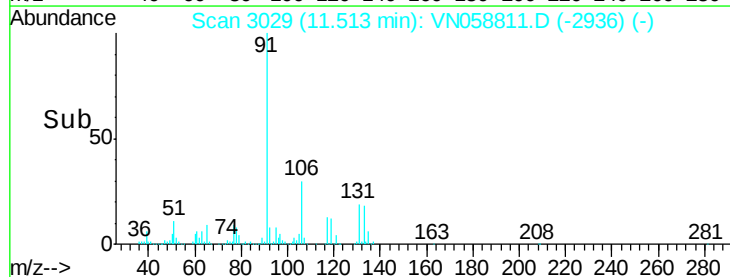
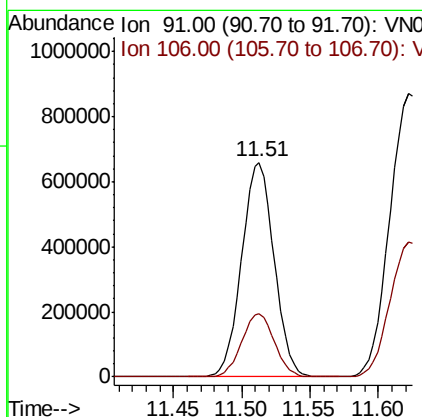
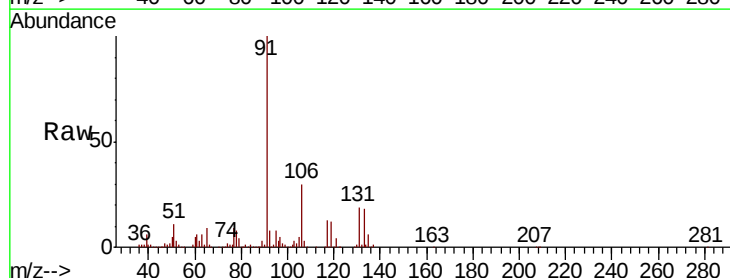
RT: 11.51 min Scan# 3029

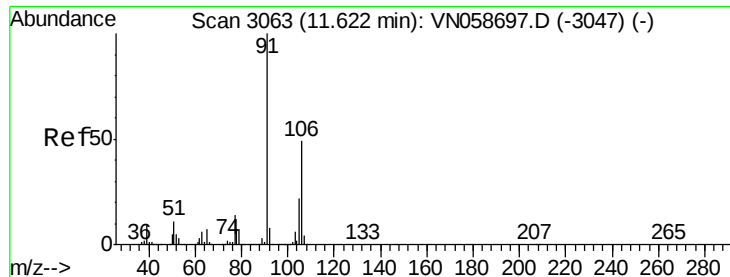
Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion:	91	Resp:	1086783
Ion Ratio	Lower	Upper	
91	100		
106	29.7	24.1	36.1





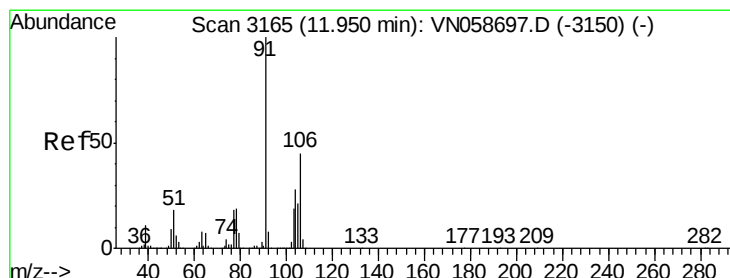
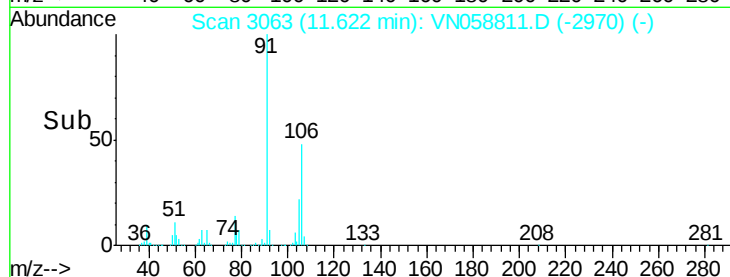
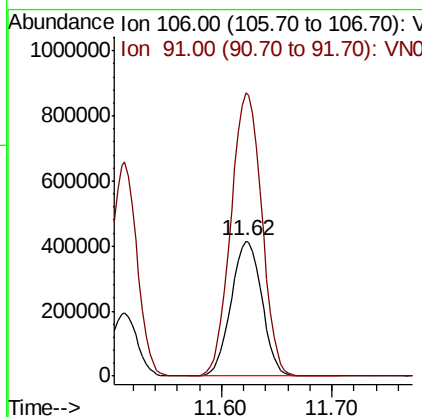
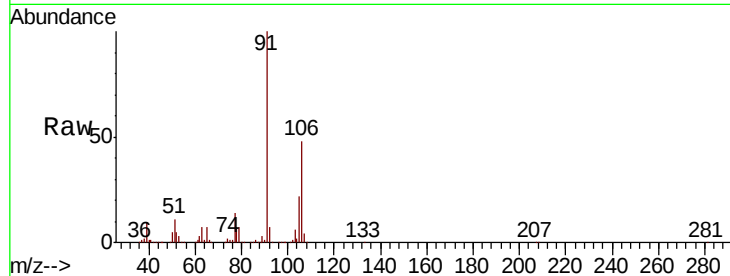
#68
m/p-Xylenes
Concen: 106.452 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion:106 Resp: 802794
Ion Ratio Lower Upper
106 100
91 210.3 165.7 248.5

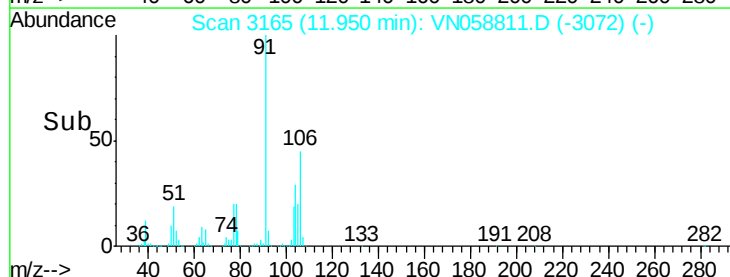
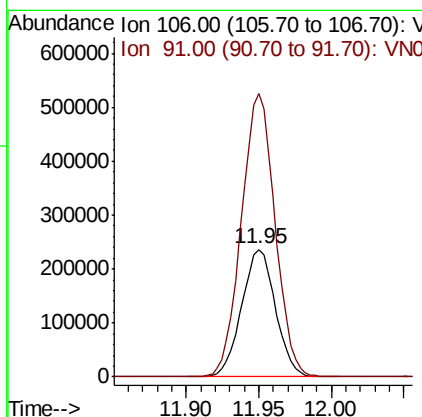
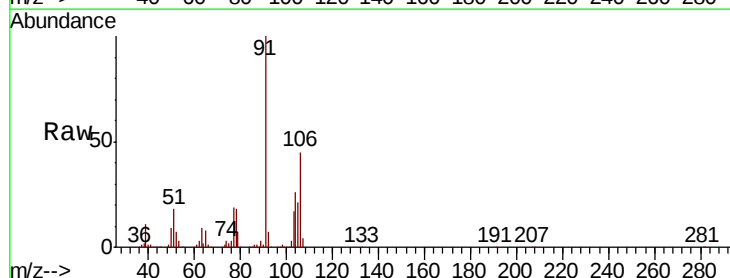
Manual Integrations
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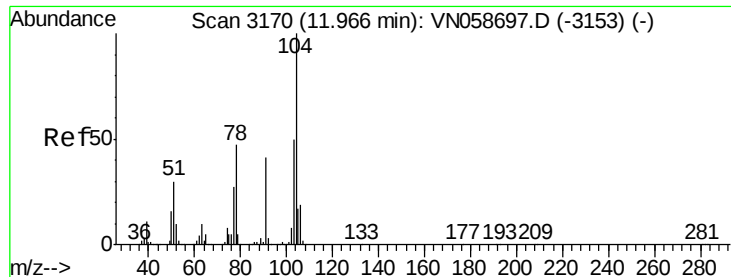
MMDadoda
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#69
o-Xylene
Concen: 52.711 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion:106 Resp: 384605
Ion Ratio Lower Upper
106 100
91 221.2 110.9 332.9





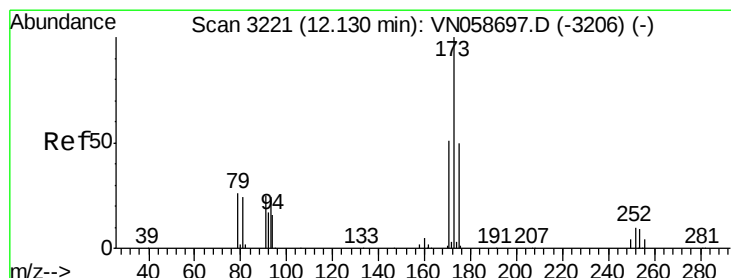
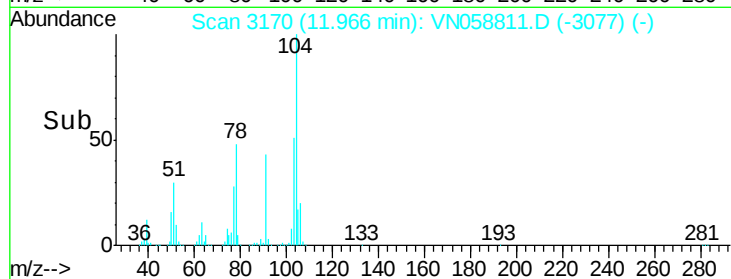
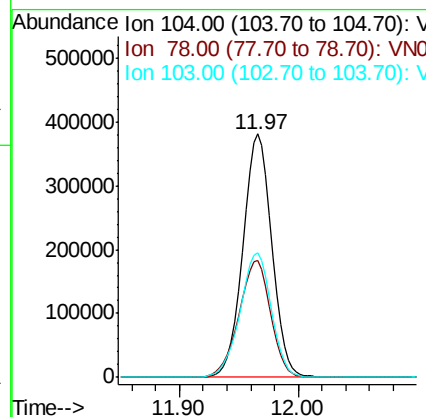
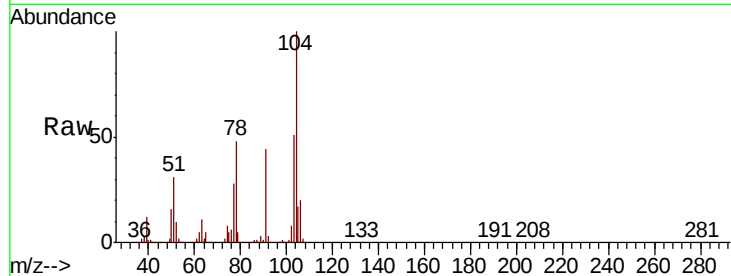
#70
Stvrene
Concen: 53.556 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.2	63.2
103	55.5	43.7	65.5

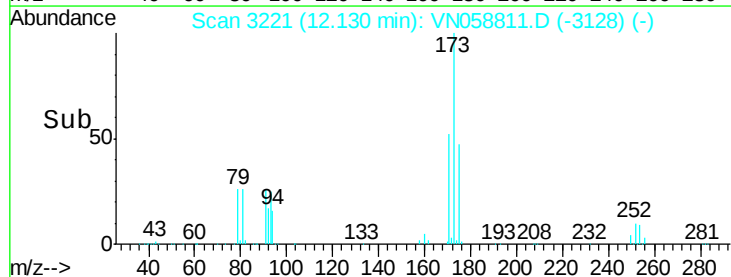
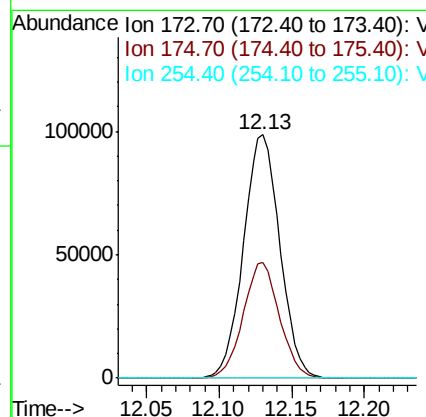
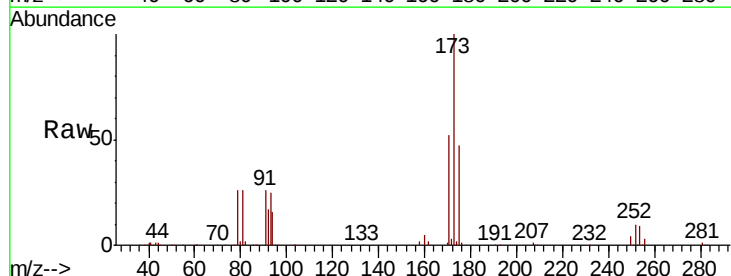
Manual Integrations
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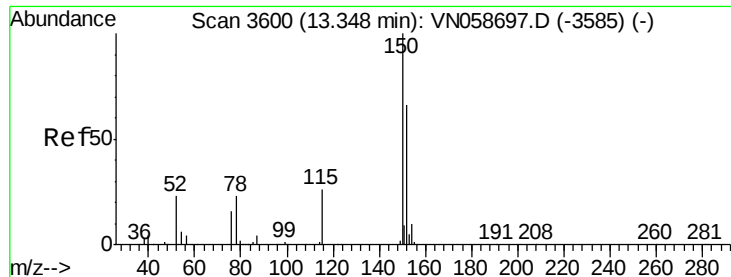
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#71
Bromoform
Concen: 56.338 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	73.8
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MS

Tot Ion:152 Resp: 275738

Ion Ratio Lower Upper

152 100

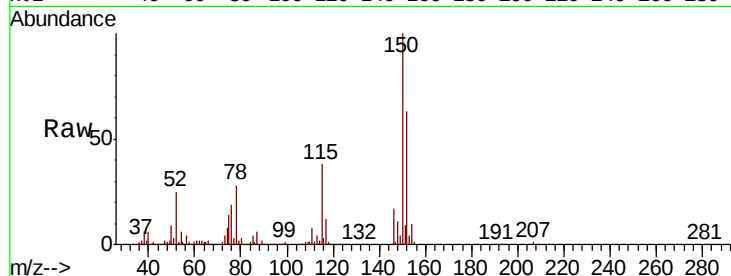
115 59.9 30.4 91.2

150 171.8 0.0 345.4

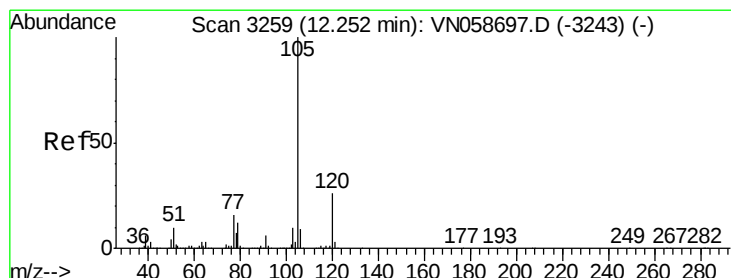
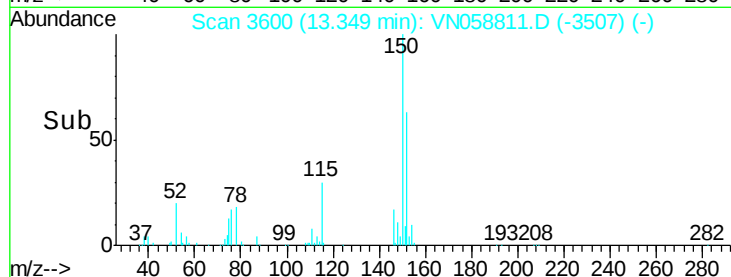
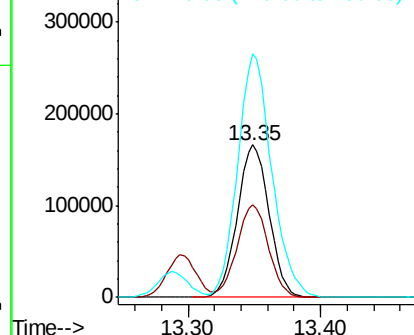
Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 52.636 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058811.D

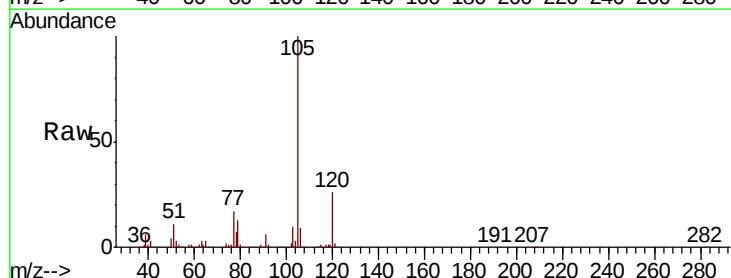
Acq: 16 Oct 2019 18:46

Tgt Ion:105 Resp: 1051127

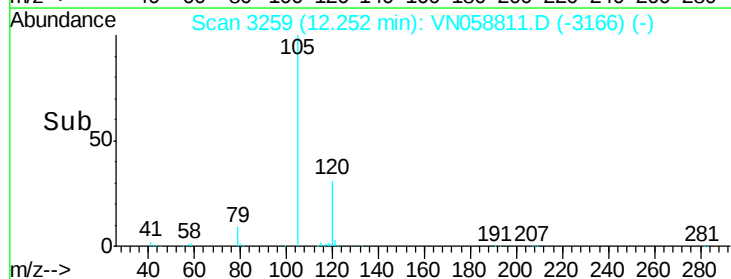
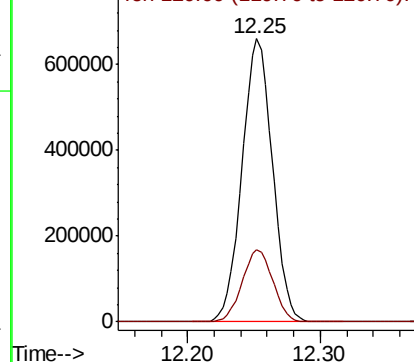
Ion Ratio Lower Upper

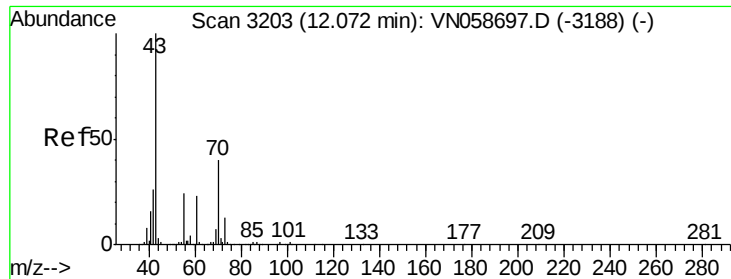
105 100

120 25.8 13.1 39.1



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





#74

N-amvl acetate

Concen: 52.373 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

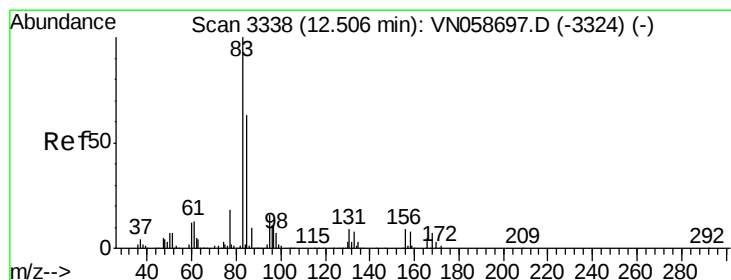
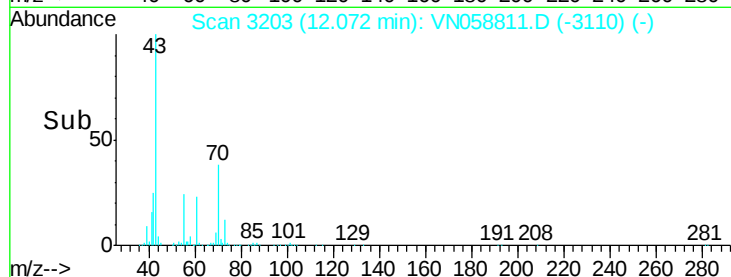
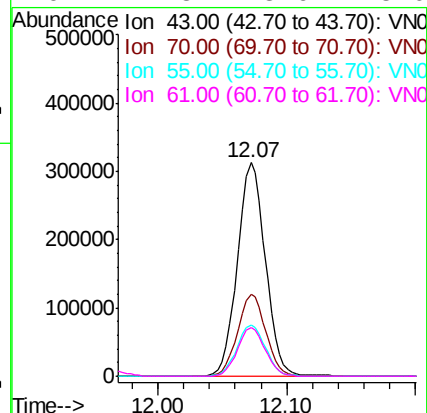
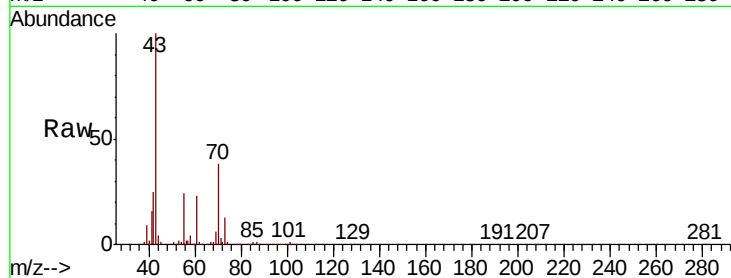
ClientSampleId :

FA19-MMW0006MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	38.8	32.2	48.4
55	24.8	19.6	29.4
61	22.8	18.6	28.0

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 53.165 ug/l

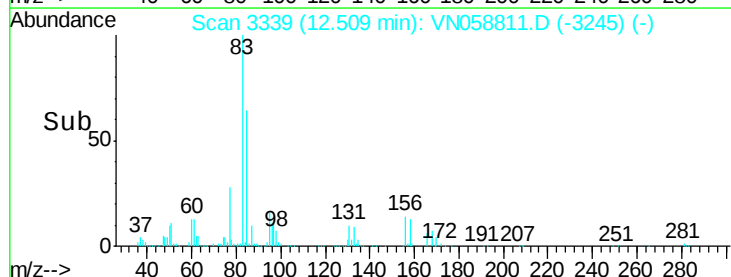
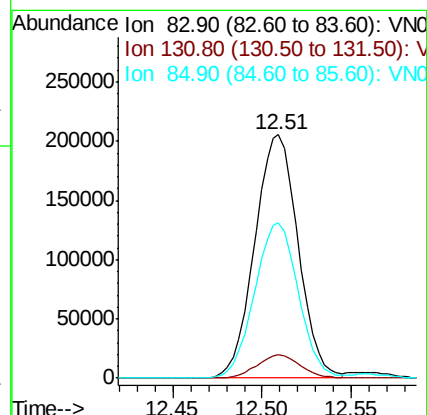
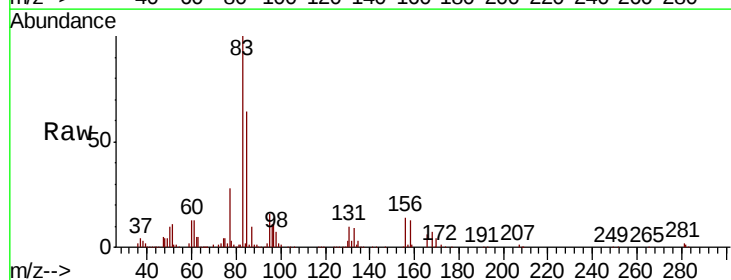
RT: 12.51 min Scan# 3339

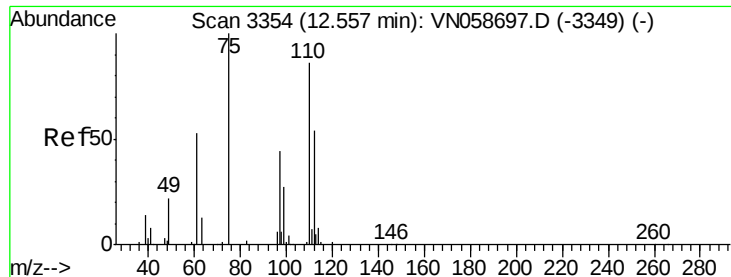
Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	64.3	31.9	95.5





#76

1,2,3-Trichloropropane

Concen: 52.876 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MS

Tot Ion: 75 Resp: 319851

Ion Ratio Lower Upper

75 100

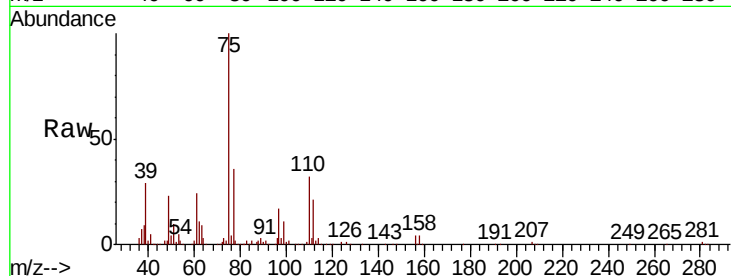
77 0.0 0.0 0.0

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN058697.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058697.D (-3349) (-)

300000

200000

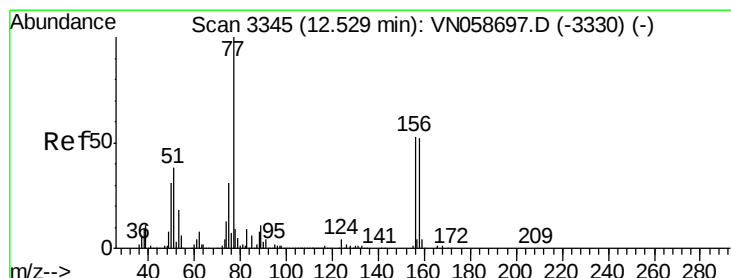
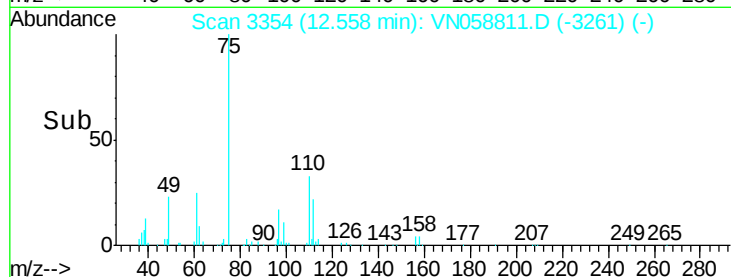
100000

0

12.55

12.60

Time-->



#77

Bromobenzene

Concen: 51.040 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

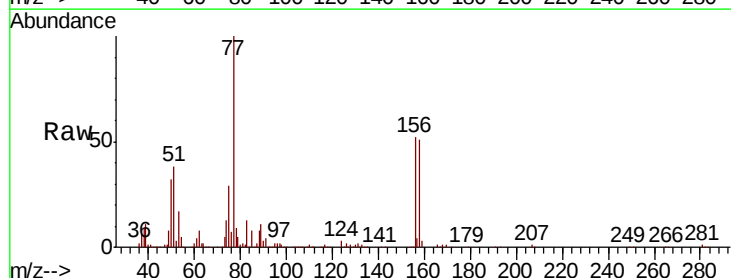
Tgt Ion: 156 Resp: 247914

Ion Ratio Lower Upper

156 100

77 233.2 115.8 347.3

158 97.8 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): VN058697.D (-3330) (-)

Ion 77.00 (76.70 to 77.70): VN058697.D (-3330) (-)

Ion 157.80 (157.50 to 158.50): VN058697.D (-3330) (-)

300000

200000

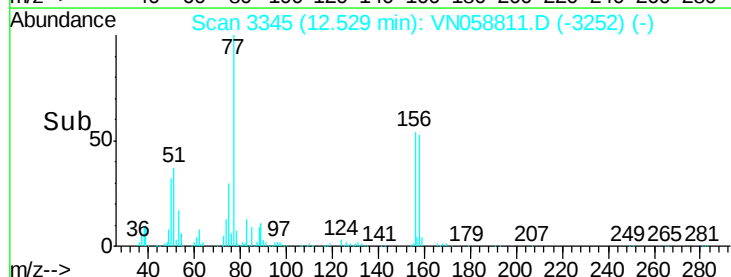
100000

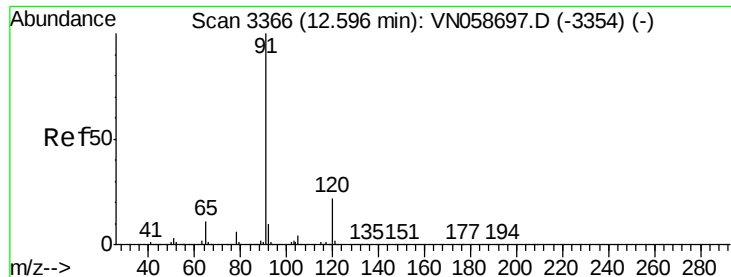
0

12.50

12.60

Time-->





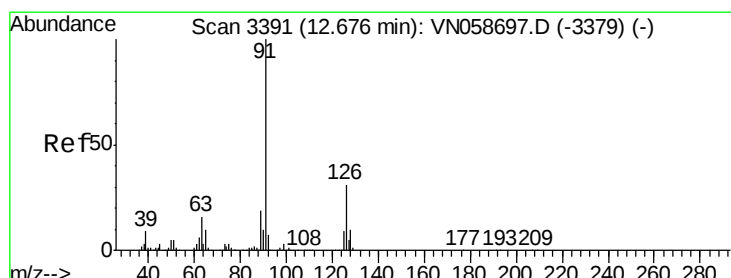
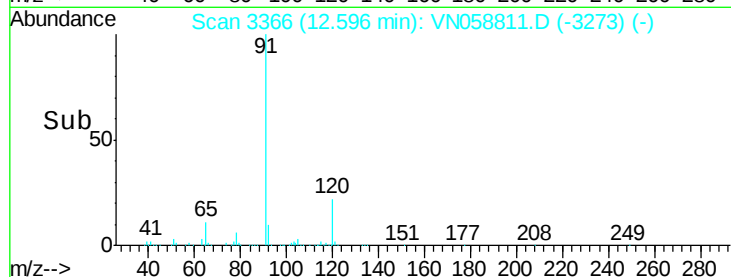
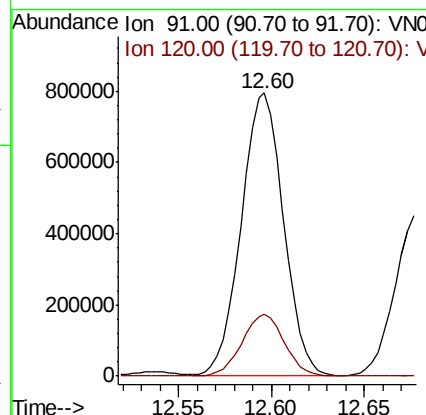
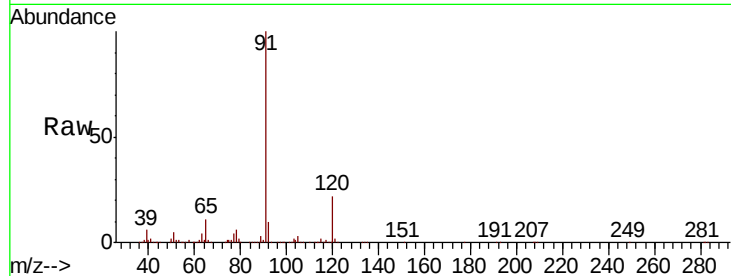
#78
n-propylbenzene
Concen: 53.803 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion: 91 Resp: 1251976
Ion Ratio Lower Upper
91 100
120 21.8 11.1 33.3

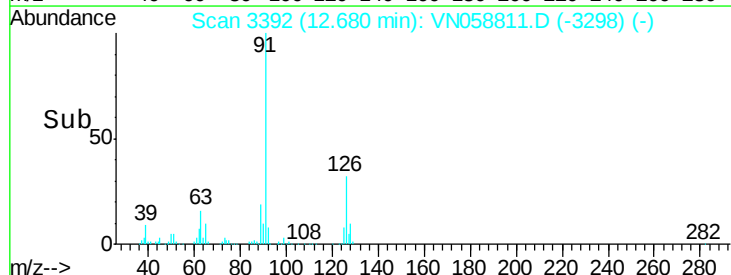
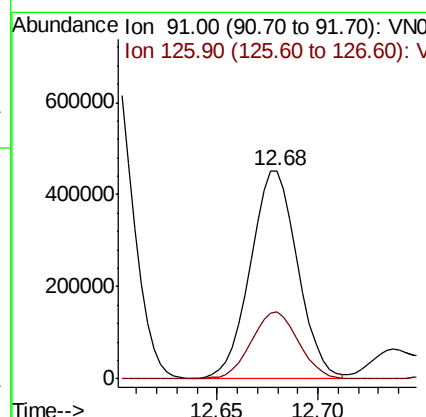
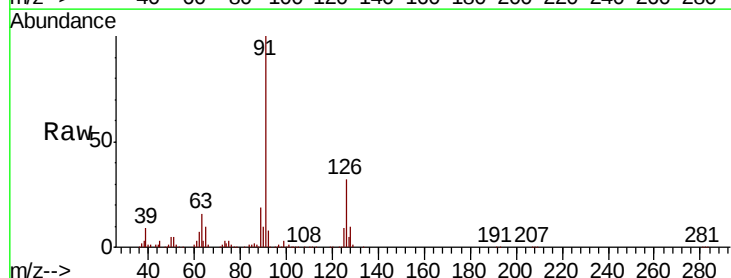
Manual Integrations
APPROVED

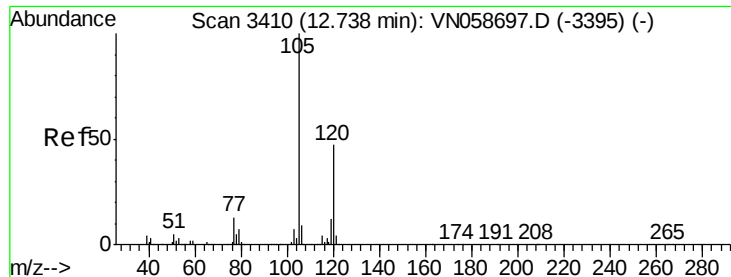
MMDadoda
10/18/2019 12:51:29 AM



#79
2-Chlorotoluene
Concen: 50.978 ug/l
RT: 12.68 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion: 91 Resp: 736269
Ion Ratio Lower Upper
91 100
126 32.6 16.2 48.5





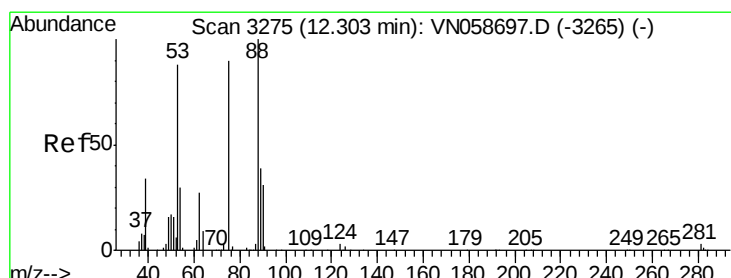
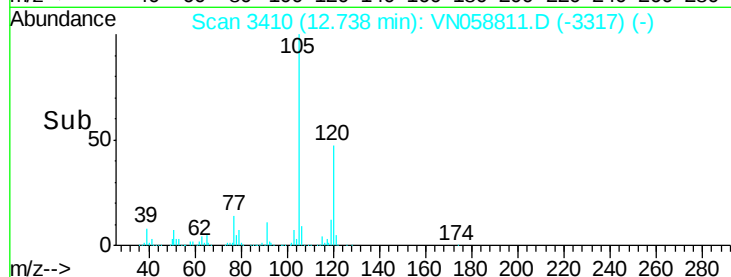
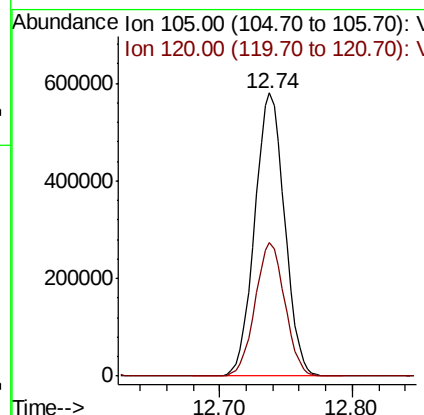
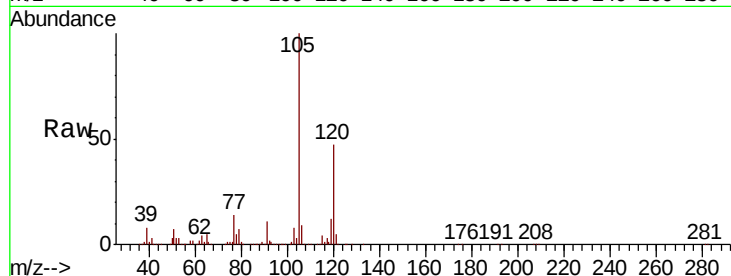
#80
 1,3,5-Trimethylbenzene
 Concen: 52.950 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.4	70.2

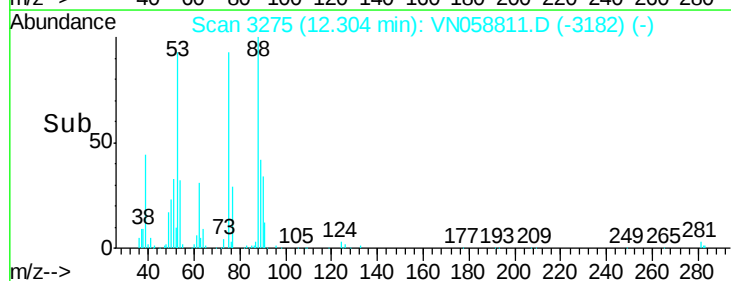
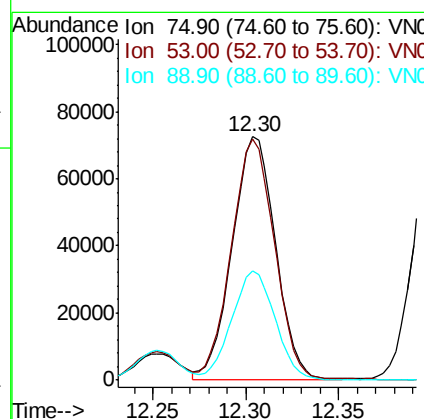
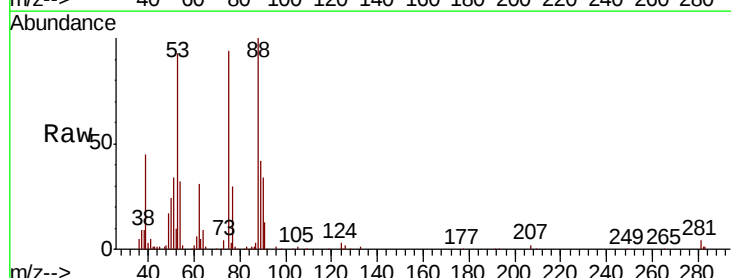
Manual Integrations
 APPROVED

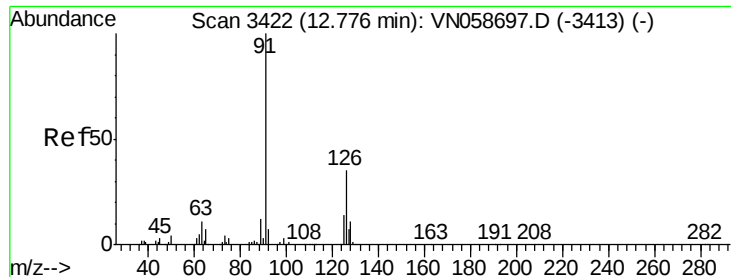
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.265 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.7	78.4	117.6
89	44.4	34.9	52.3





#82

4-Chlorotoluene

Concen: 50.681 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006MS

Tot Ion: 91 Resp: 751139

Ion Ratio Lower Upper

91 100

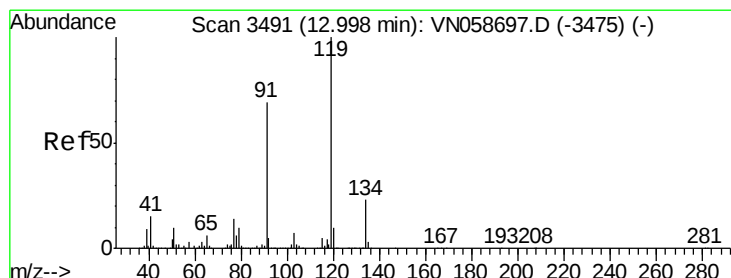
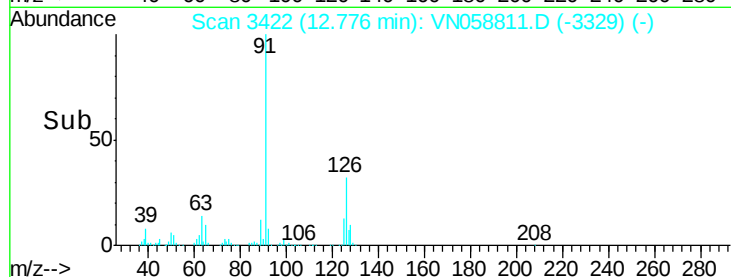
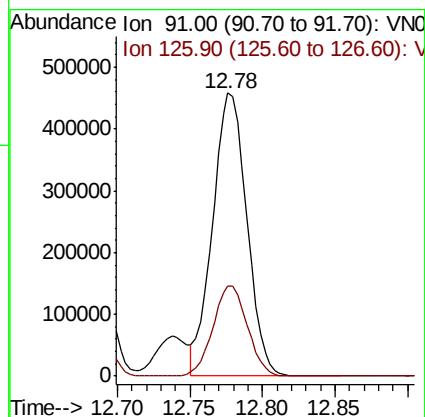
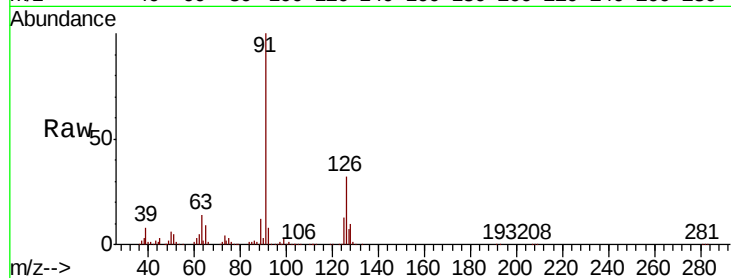
126 32.2 15.9 47.6

Manual Integrations

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#83

tert-Butylbenzene

Concen: 51.901 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

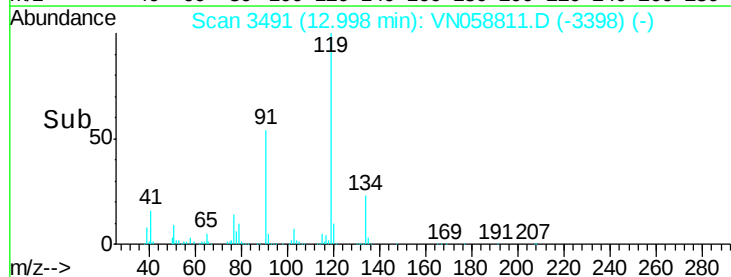
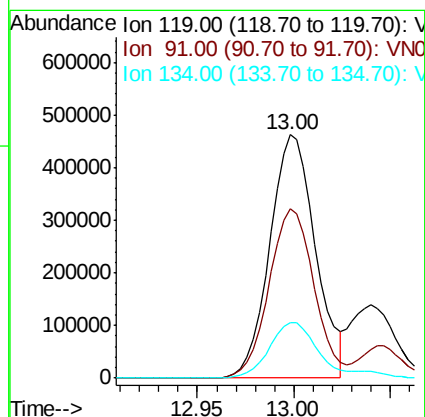
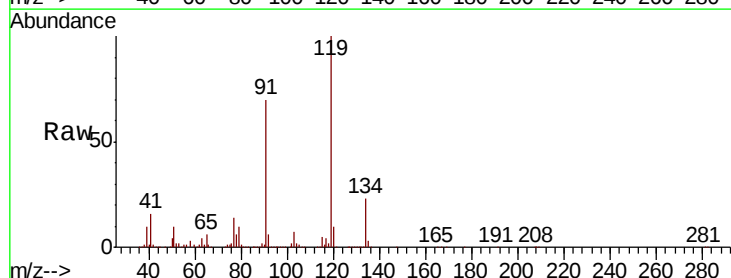
Tgt Ion: 119 Resp: 758027

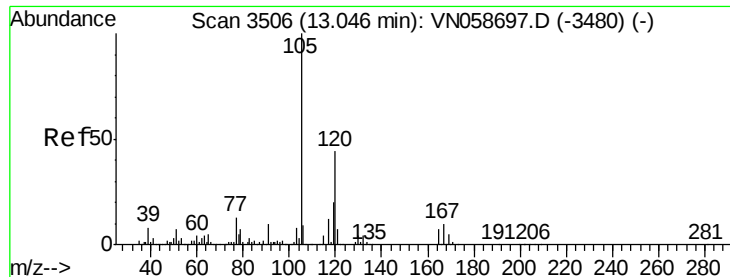
Ion Ratio Lower Upper

119 100

91 68.8 33.8 101.3

134 23.7 12.6 37.6





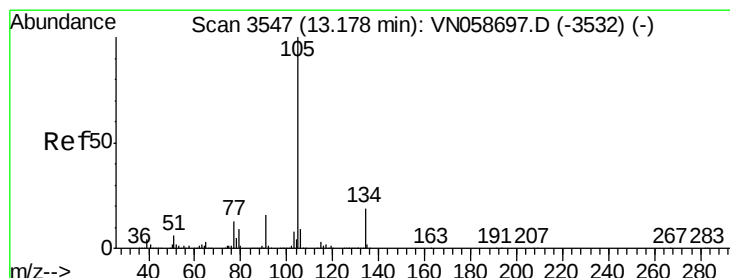
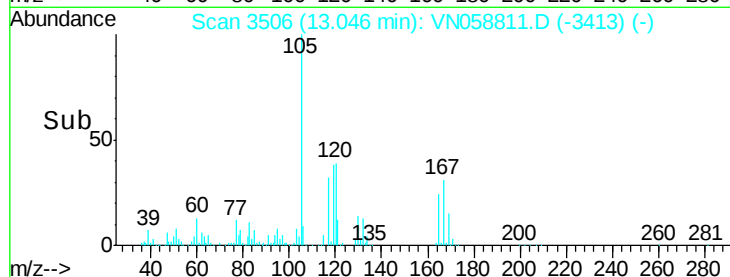
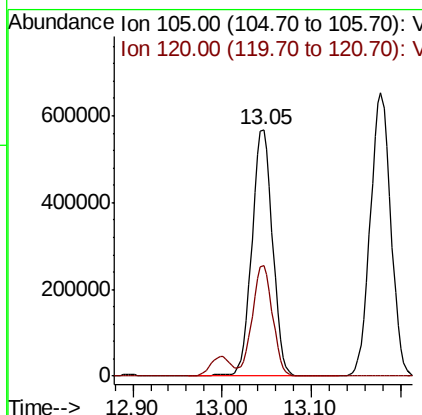
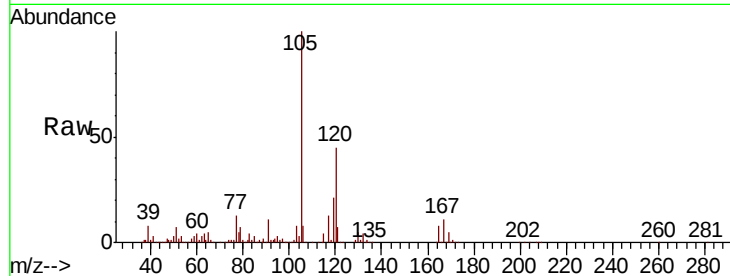
#84
 1,2,4-Trimethylbenzene
 Concen: 53.825 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7

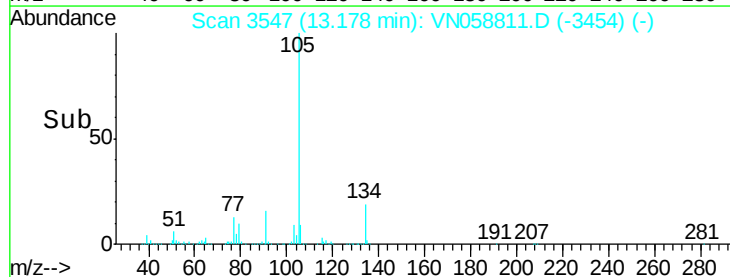
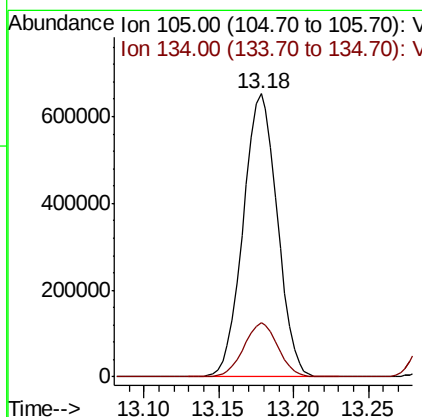
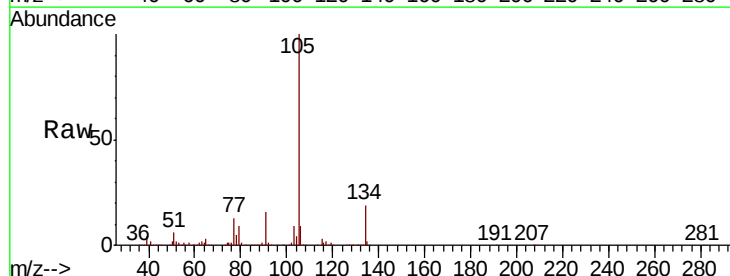
Manual Integrations
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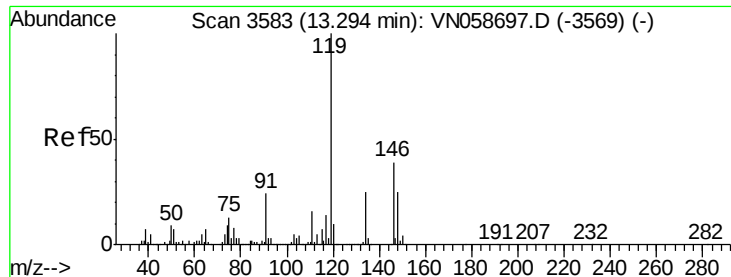
MMDadoda
 10/18/2019 12:51:29 AM



#85
 sec-Butylbenzene
 Concen: 53.811 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.7	29.1





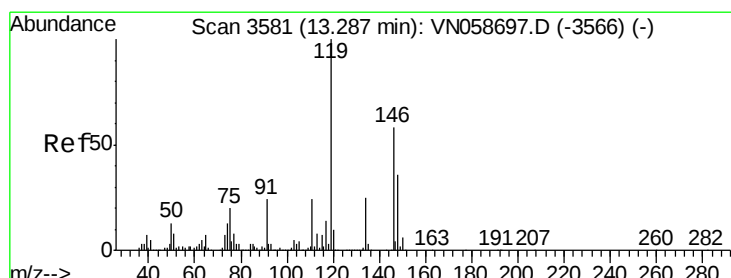
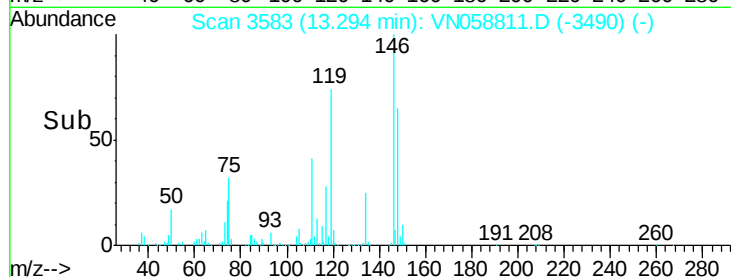
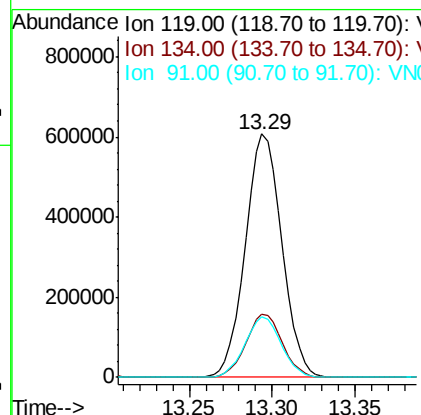
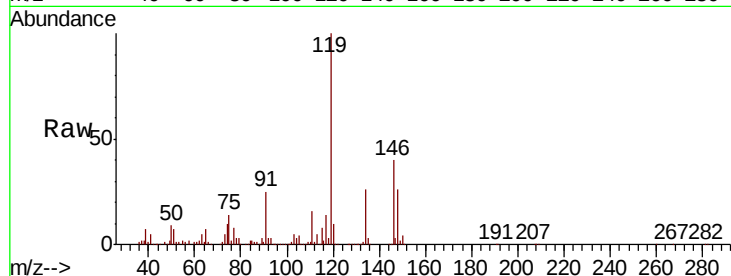
#86
p-Isopropyltoluene
Concen: 53.023 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.7	38.1
91	24.6	11.9	35.5

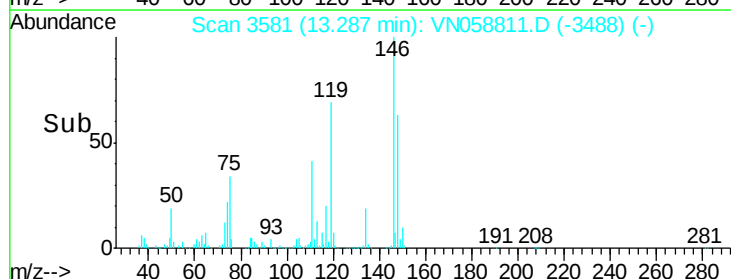
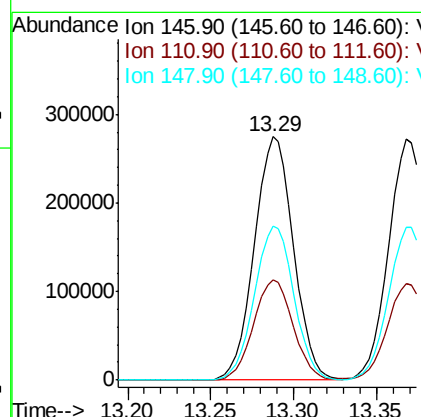
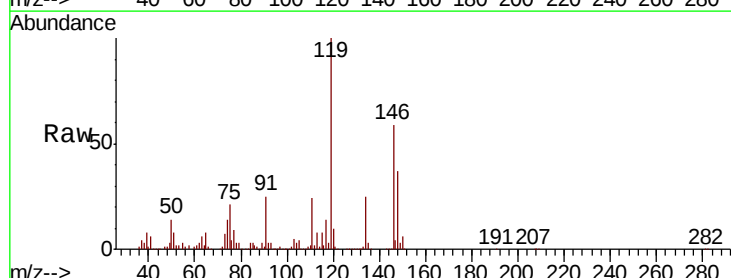
Manual Integrations
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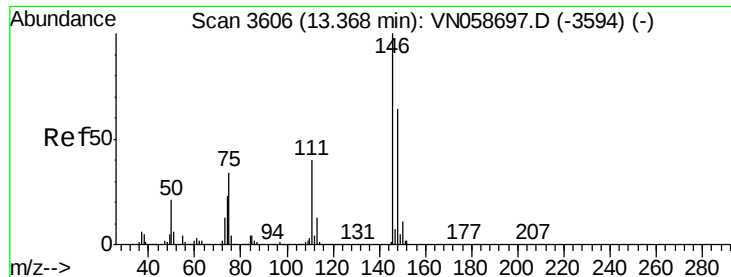
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#87
1,3-Dichlorobenzene
Concen: 50.434 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.5	61.6
148	63.9	31.3	93.9





#88

1,4-Dichlorobenzene

Concen: 48.735 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

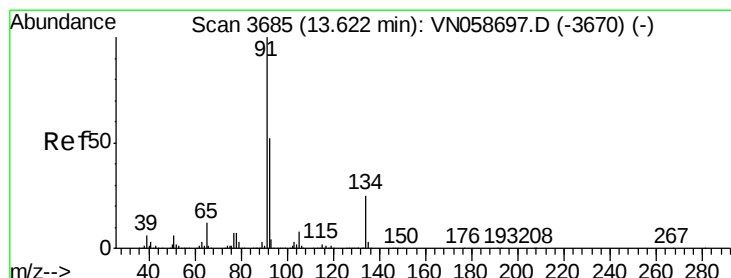
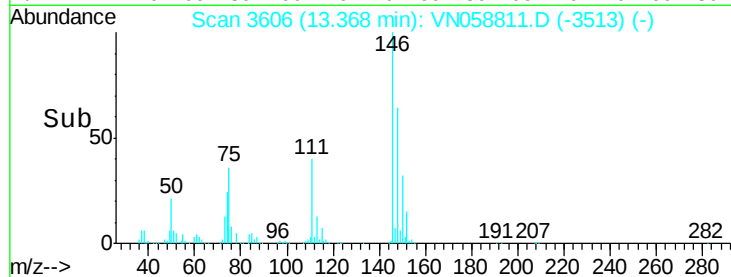
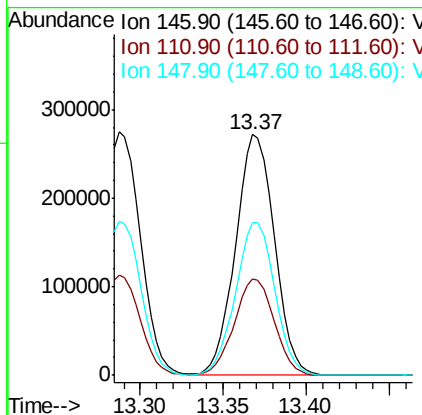
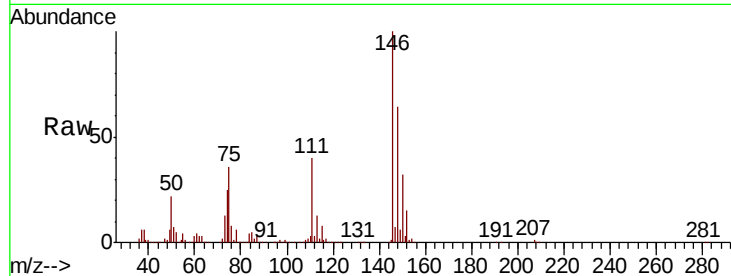
ClientSampleId :

FA19-MMW0006MS

Tot Ion:	146	Resp:	443860
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.1	60.2
148	64.1	31.9	95.7

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#89

n-Butylbenzene

Concen: 50.922 ug/l

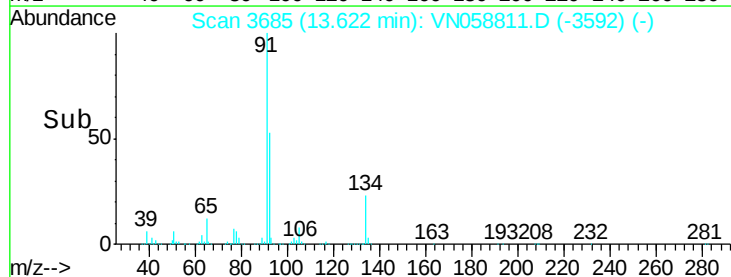
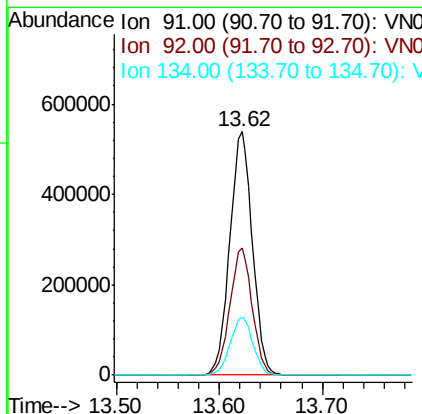
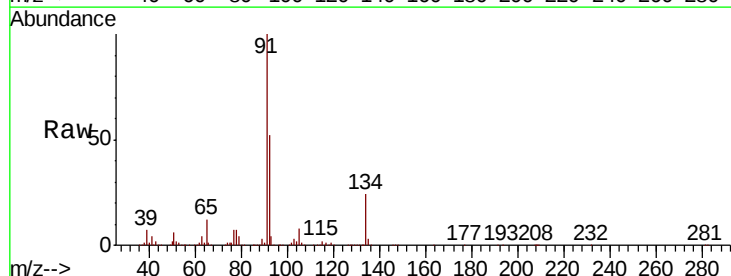
RT: 13.62 min Scan# 3685

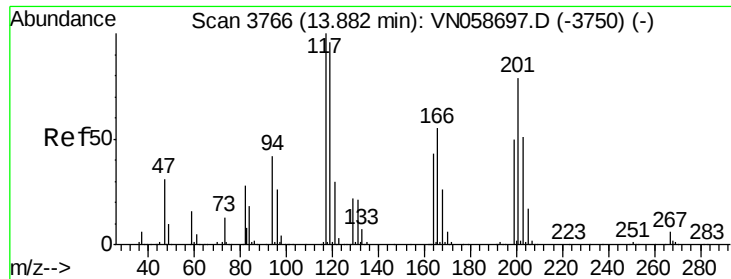
Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion:	91	Resp:	823573
Ion Ratio	Lower	Upper	
91	100		
92	51.5	26.0	78.0
134	23.8	12.2	36.6





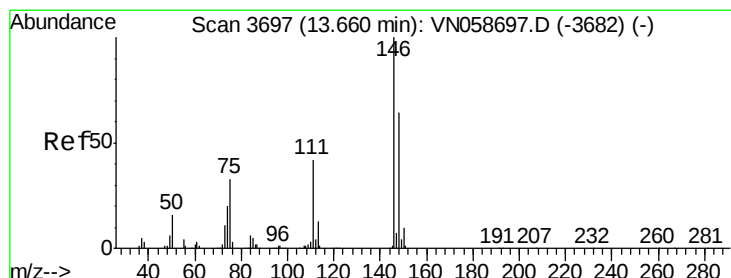
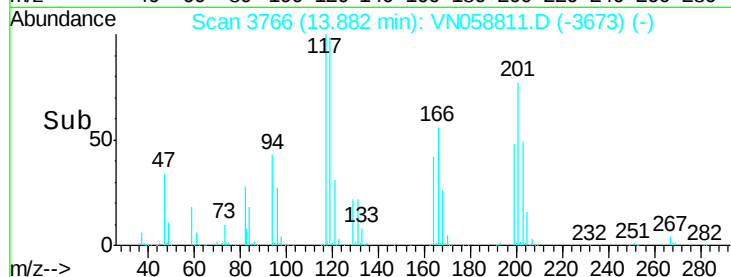
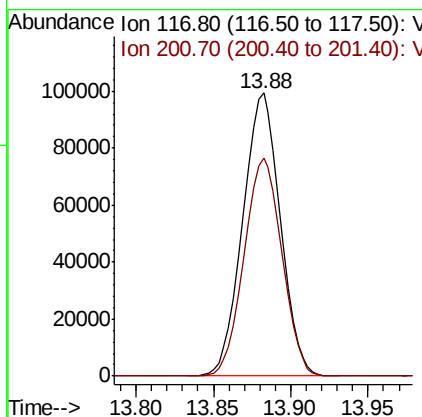
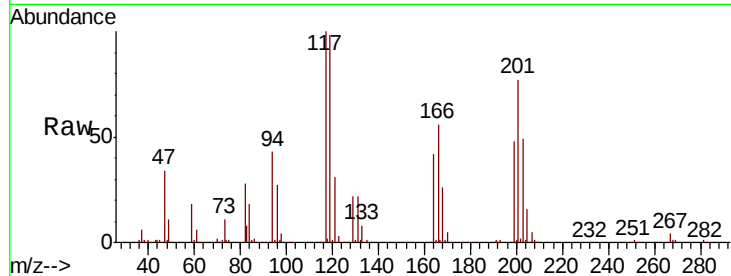
#90
Hexachloroethane
Concen: 53.794 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006MS

Tot Ion:117 Resp: 168357
Ion Ratio Lower Upper
117 100
201 77.5 39.6 118.7

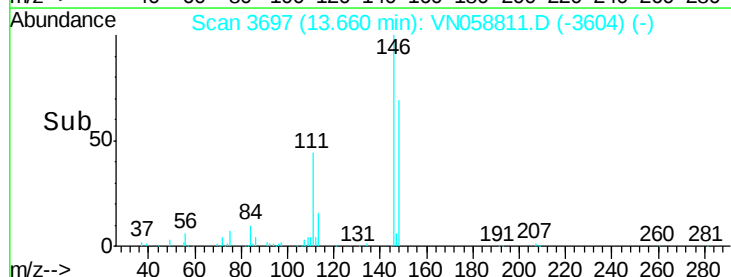
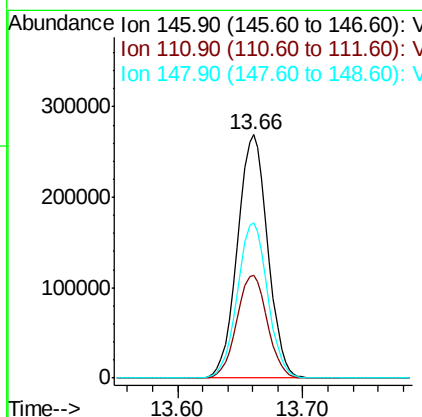
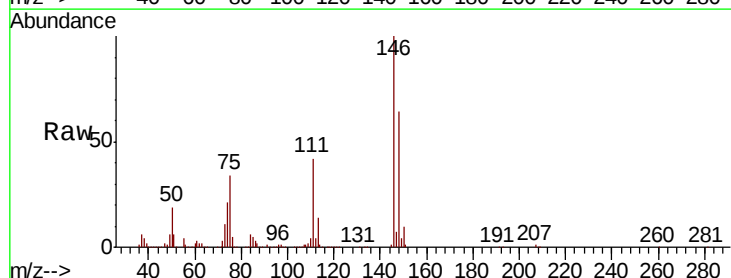
Manual Integrations
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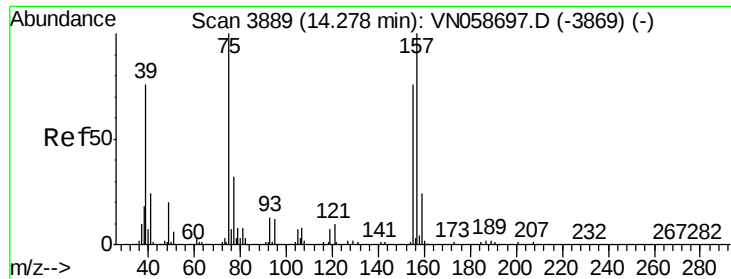
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#91
1,2-Dichlorobenzene
Concen: 51.631 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion:146 Resp: 450765
Ion Ratio Lower Upper
146 100
111 42.7 21.1 63.4
148 63.8 31.8 95.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.169 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

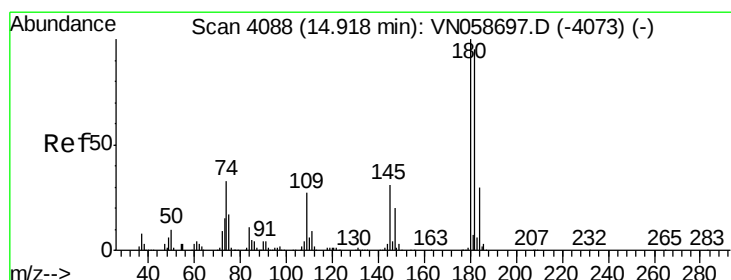
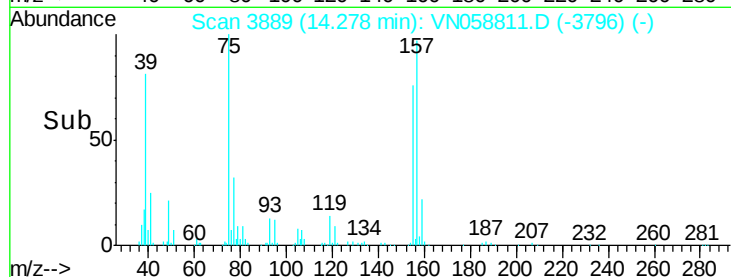
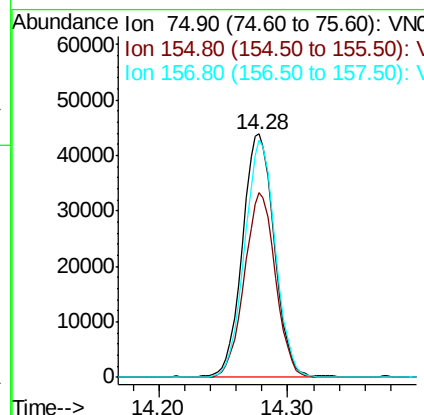
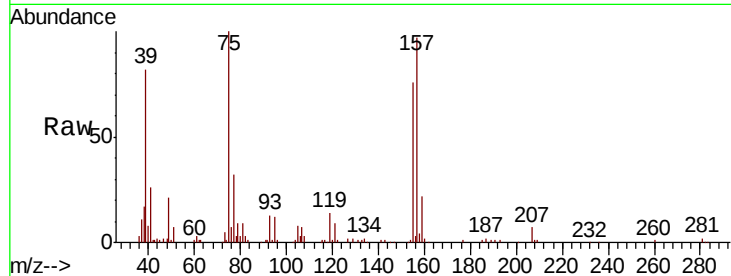
ClientSampleId :

FA19-MMW0006MS

Tot Ion:	75	Resp:	75567
Ion Ratio	Lower	Upper	
75	100		
155	73.4	37.9	113.6
157	93.5	49.4	148.2

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 47.545 ug/l

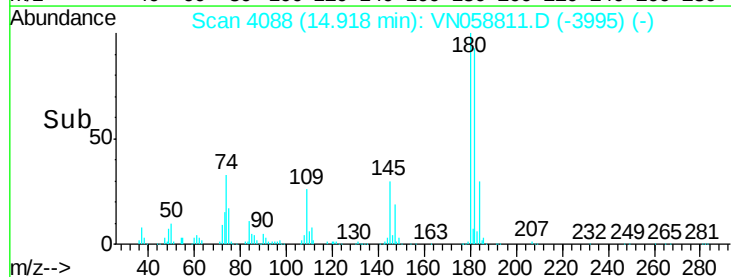
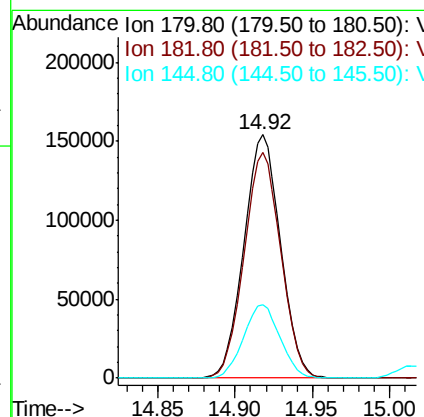
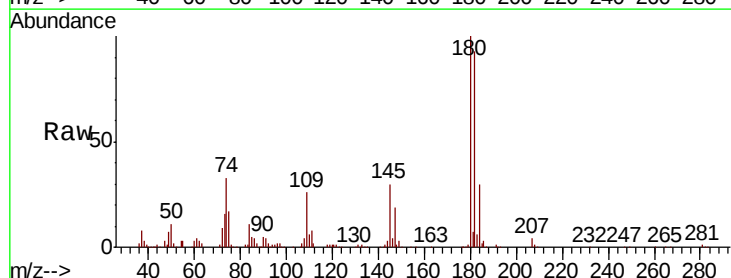
RT: 14.92 min Scan# 4088

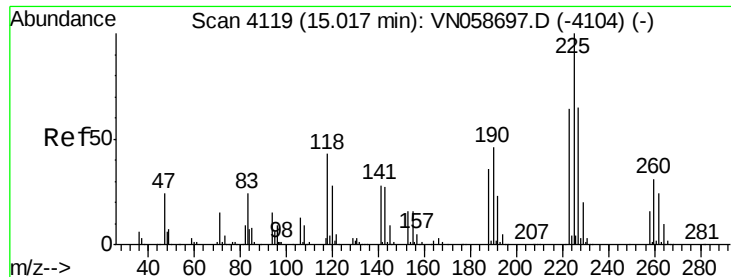
Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion:	180	Resp:	253213
Ion Ratio	Lower	Upper	
180	100		
182	93.2	47.4	142.2
145	30.4	15.4	46.2





#94

Hexachlorobutadiene

Concen: 47.588 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

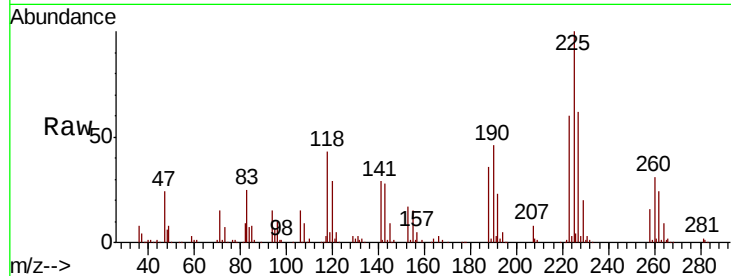
ClientSampleId :

FA19-MMW0006MS

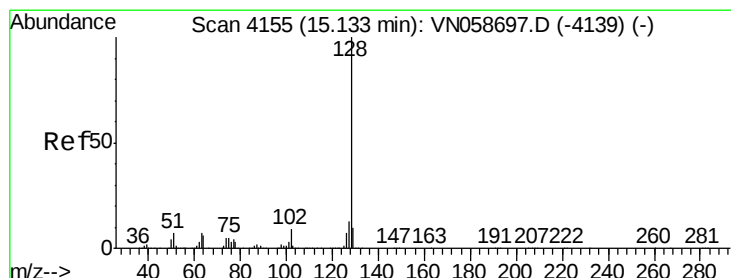
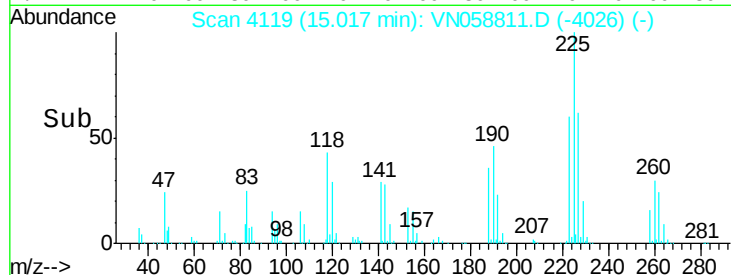
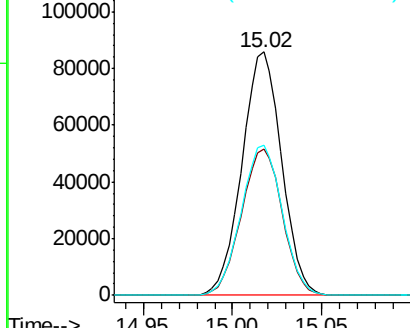
Tot Ion:	225	Resp:	133466
Ion Ratio		Lower	Upper
225	100		
223	61.9	32.3	96.8
227	63.7	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:29 AM



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: 47.096 ug/l

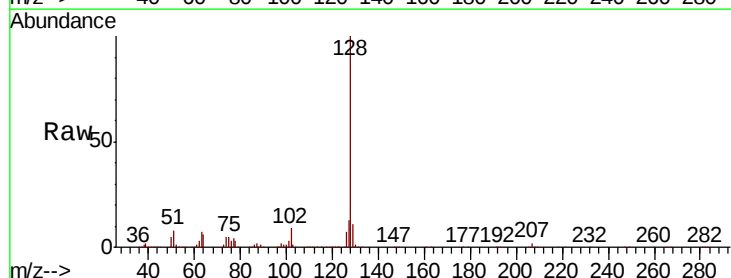
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

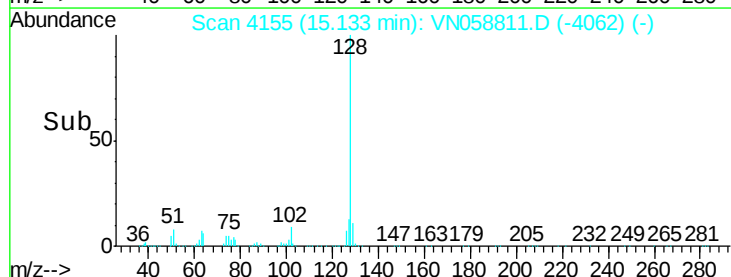
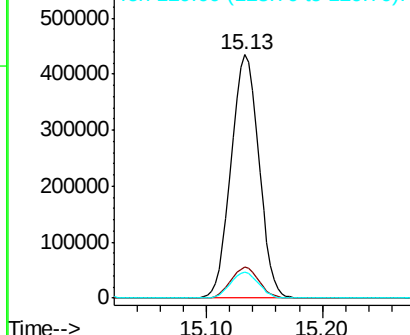
Lab File: VN058811.D

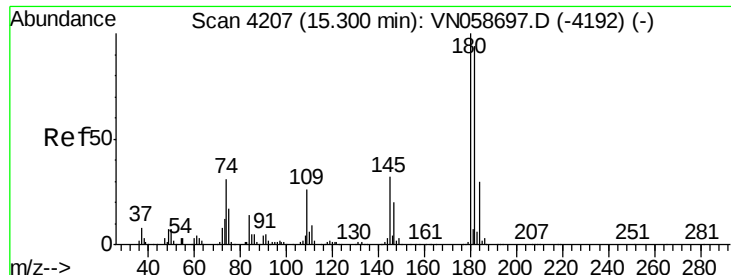
Acq: 16 Oct 2019 18:46

Tgt Ion:	128	Resp:	720863
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.8	8.5	12.7



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: 47.190 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.1	47.3	142.0
145	32.2	16.2	48.6

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:29 AM

