

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058871.D
 Acq On : 18 Oct 2019 20:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:42:54 AM

Quant Time: Oct 21 08:50:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	371766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	600901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	284327	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	281257	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
35) Dibromofluoromethane	7.57	113	202184	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	10.08	98	787567	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.40	95	294275	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	226831	48.937	ug/l	98
3) Chloromethane	2.04	50	278978	48.596	ug/l	100
4) Vinyl Chloride	2.17	62	274871	48.223	ug/l	97
5) Bromomethane	2.54	94	174500	48.888	ug/l	96
6) Chloroethane	2.68	64	179901	49.217	ug/l	99
7) Trichlorofluoromethane	3.00	101	340757	48.315	ug/l	98
8) Diethyl Ether	3.39	74	120265	49.345	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	184216	47.115	ug/l	100
10) Methyl Iodide	3.93	142	251119	48.833	ug/l	99
11) Tert butyl alcohol	4.76	59	232411	256.858	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	180252	49.183	ug/l	98
13) Acrolein	3.58	56	153899	247.542	ug/l	100
14) Allyl chloride	4.30	41	367742	49.587	ug/l	99
15) Acrylonitrile	4.96	53	596285	261.988	ug/l	100
16) Acetone	3.79	43	567972	210.804	ug/l	100
17) Carbon Disulfide	4.03	76	560866	47.508	ug/l	100
18) Methyl Acetate	4.30	43	302090	49.316	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	669567	52.176	ug/l	99
20) Methylene Chloride	4.53	84	216711	47.105	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	200476	49.532	ug/l	97
22) Diisopropyl ether	5.93	45	761459	52.494	ug/l	98
23) Vinyl Acetate	5.87	43	3291808	282.457	ug/l	99
24) 1,1-Dichloroethane	5.82	63	418942	49.809	ug/l	100
25) 2-Butanone	6.81	43	871432	249.158	ug/l	99
26) 2,2-Dichloropropane	6.80	77	341563	46.948	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	237621	51.394	ug/l	99
28) Bromochloromethane	7.18	49	145567	51.966	ug/l	99
29) Tetrahydrofuran	7.19	42	579725	270.957	ug/l	99
30) Chloroform	7.35	83	415581	49.256	ug/l	99
31) Cyclohexane	7.63	56	371647	47.429	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	355719	50.020	ug/l	99
36) 1,1-Dichloropropene	7.77	75	310796	50.520	ug/l	100
37) Ethyl Acetate	6.91	43	354286	52.852	ug/l	99
38) Carbon Tetrachloride	7.76	117	312709	49.341	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	351048	50.819	ug/l	100
40) Benzene	8.02	78	915772	50.693	ug/l	99
41) Methacrylonitrile	7.15	41	162551m	54.447	ug/l	
42) 1,2-Dichloroethane	8.11	62	353761	50.836	ug/l	99
43) Isopropyl Acetate	8.15	43	565236	52.577	ug/l	100
44) Trichloroethene	8.82	130	219692	49.923	ug/l	100
45) 1,2-Dichloropropane	9.11	63	251061	50.681	ug/l	99
46) Dibromomethane	9.20	93	160065	51.112	ug/l	98
47) Bromodichloromethane	9.39	83	329579	51.062	ug/l	99
48) Methyl methacrylate	9.19	41	270326	55.422	ug/l	99
49) 1,4-Dioxane	9.19	88	84849	1059.697	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1816308	289.250	ug/l	100
52) Toluene	10.15	92	562457	52.503	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	370585	51.865	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	399361	52.315	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	224328	50.831	ug/l	99
56) Ethyl methacrylate	10.43	69	365488	49.331	ug/l	97
57) 1,3-Dichloropropane	10.70	76	400515	51.708	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	786729	251.288	ug/l	99
59) 2-Hexanone	10.75	43	1363978	281.101	ug/l	100
60) Dibromochloromethane	10.90	129	248988	52.416	ug/l	99
61) 1,2-Dibromoethane	11.00	107	234545	51.932	ug/l	100
64) Tetrachloroethene	10.63	164	196565	49.552	ug/l	98
65) Chlorobenzene	11.43	112	586518	50.862	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	224406	51.569	ug/l	98
67) Ethyl Benzene	11.51	91	1095662	54.163	ug/l	99
68) m/p-Xylenes	11.62	106	816806	108.880	ug/l	100
69) o-Xylene	11.95	106	384797	53.782	ug/l	100
70) Styrene	11.96	104	659939	49.971	ug/l	99
71) Bromoform	12.13	173	176348	52.261	ug/l #	98
73) Isopropylbenzene	12.25	105	1056303	50.835	ug/l	100
74) N-amyl acetate	12.07	43	512995	54.456	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	357998	48.998	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	309885m	47.026	ug/l	
77) Bromobenzene	12.53	156	251302	49.067	ug/l	99
78) n-propylbenzene	12.59	91	1273904	51.866	ug/l	100
79) 2-Chlorotoluene	12.68	91	744727	49.541	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	912686	52.278	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	126308	49.934	ug/l	99
82) 4-Chlorotoluene	12.78	91	778879	50.701	ug/l	100
83) tert-Butylbenzene	13.00	119	767095	51.383	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	918065	53.315	ug/l	98
85) sec-Butylbenzene	13.17	105	1043213	52.412	ug/l	99
86) p-Isopropyltoluene	13.29	119	944107	53.757	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	459080	50.129	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	453132	49.421	ug/l	99
89) n-Butylbenzene	13.62	91	855782	53.045	ug/l	100
90) Hexachloroethane	13.88	117	173788	48.834	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	451055	50.111	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81023	49.029	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	276936	48.931	ug/l	100
94) Hexachlorobutadiene	15.01	225	137924	47.276	ug/l	97
95) Naphthalene	15.13	128	810491	49.777	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	273066	49.525	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 371766

Ion Ratio Lower Upper

168 100

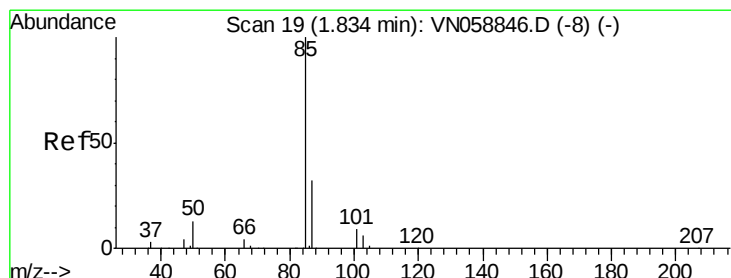
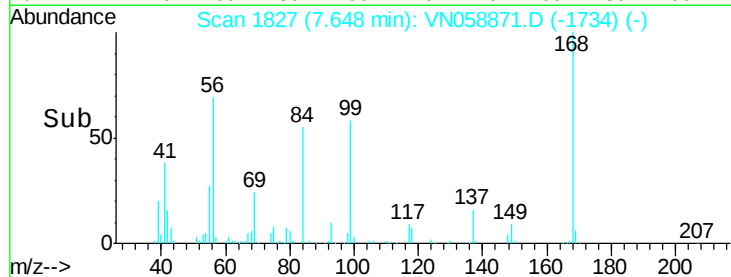
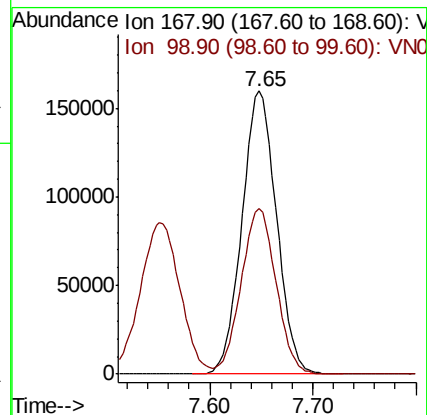
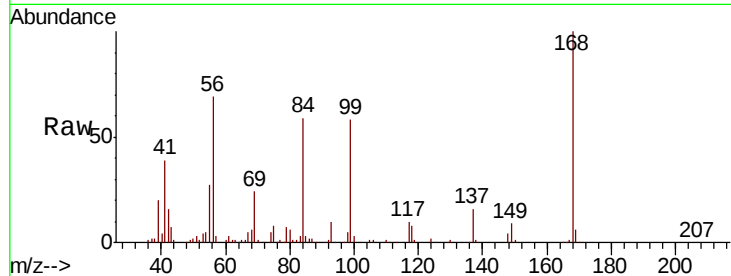
99 58.1 48.1 72.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 48.937 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058871.D

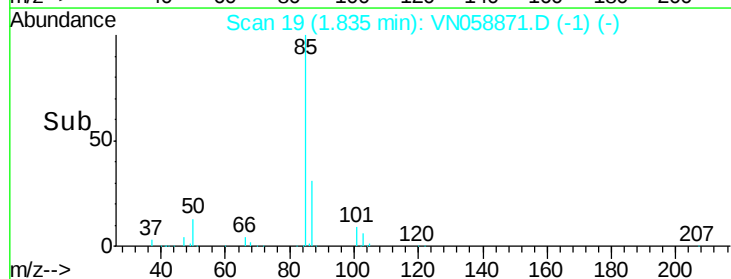
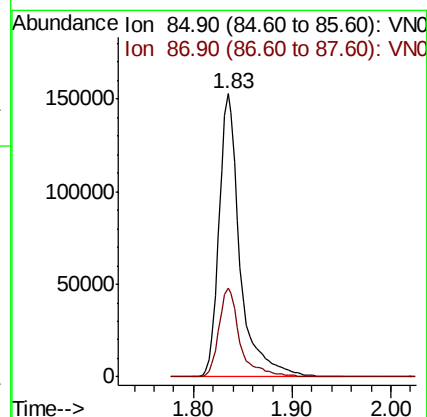
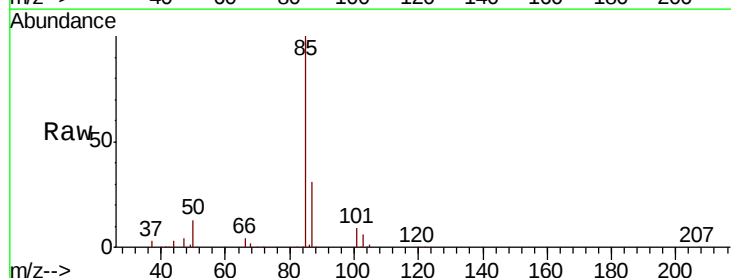
Acq: 18 Oct 2019 20:06

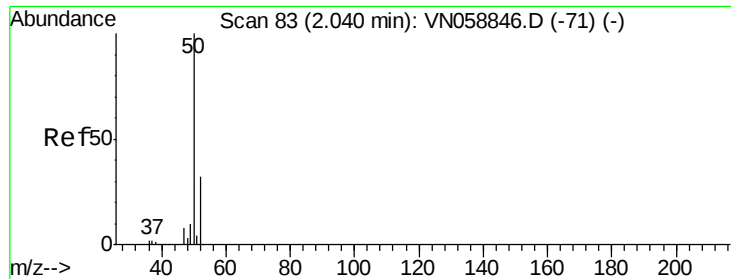
Tgt Ion: 85 Resp: 226831

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.5





#3

Chloromethane

Concen: 48.596 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 278978

Ion Ratio Lower Upper

50 100

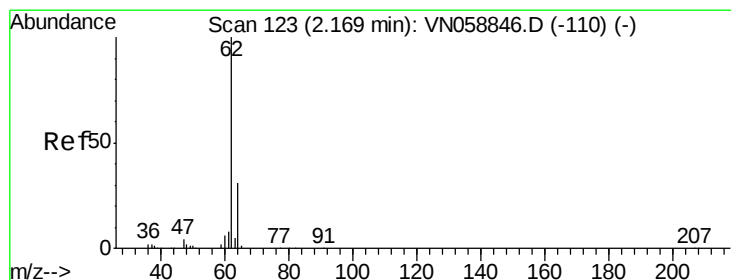
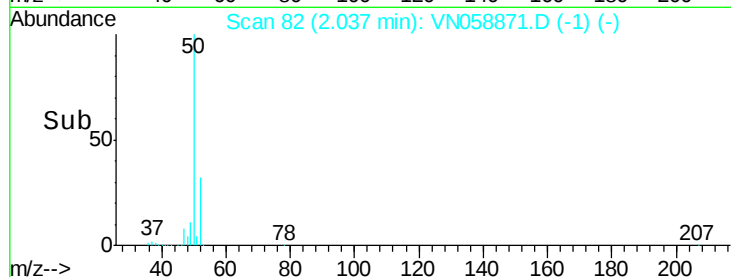
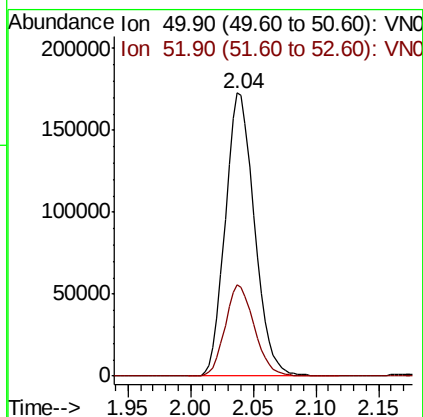
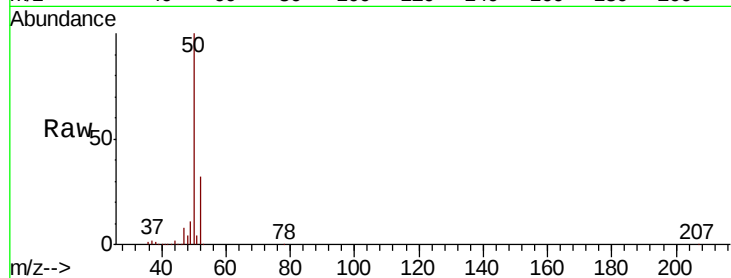
52 32.3 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.223 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058871.D

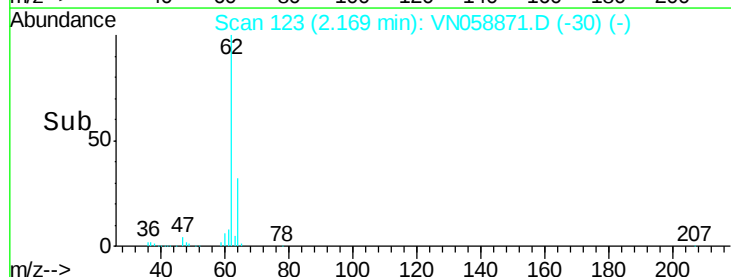
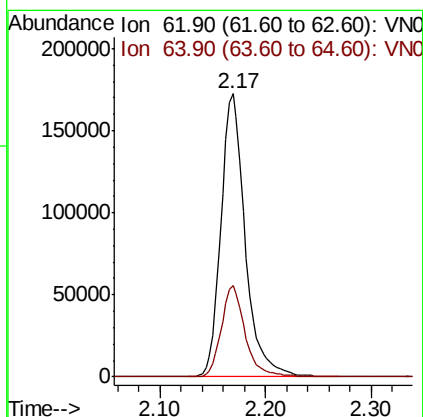
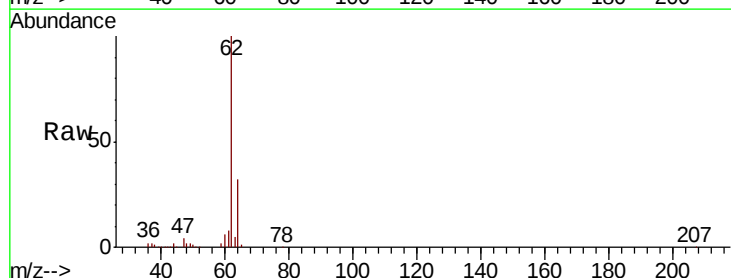
Acq: 18 Oct 2019 20:06

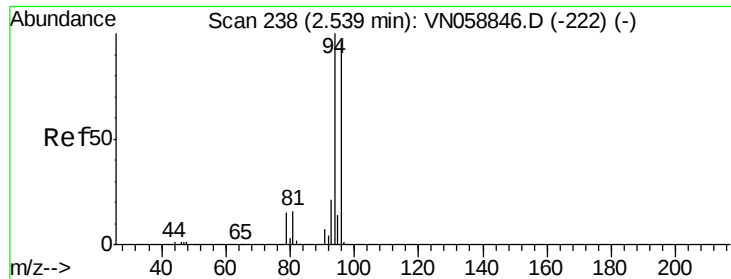
Tgt Ion: 62 Resp: 274871

Ion Ratio Lower Upper

62 100

64 32.1 24.6 36.8





#5

Bromomethane

Concen: 48.888 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 174500

Ion Ratio Lower Upper

94 100

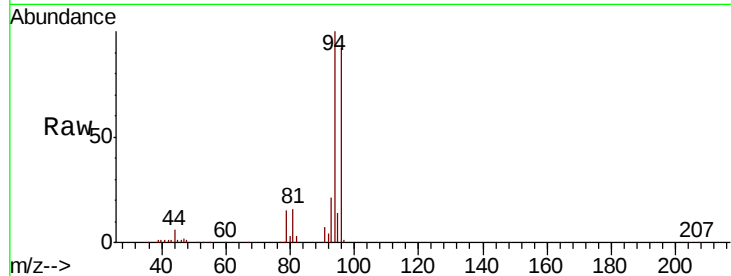
96 92.4 77.0 115.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

80000

60000

40000

20000

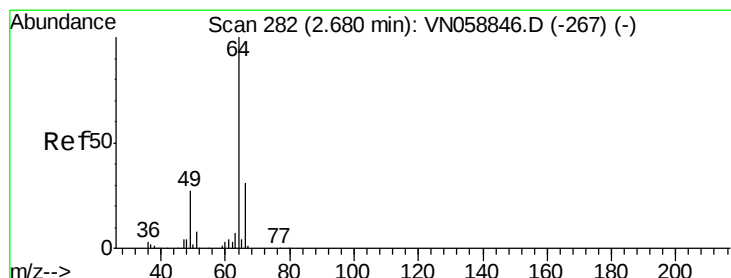
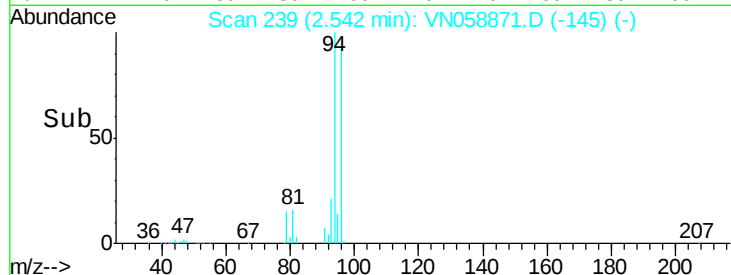
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 49.217 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058871.D

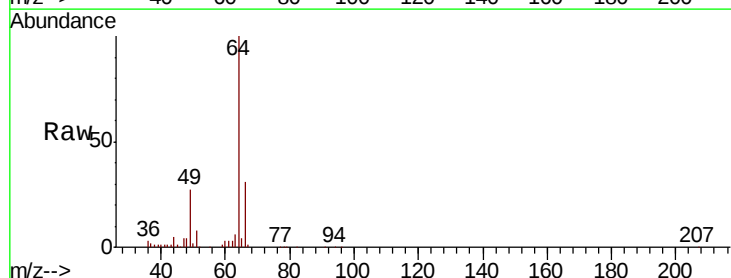
Acq: 18 Oct 2019 20:06

Tgt Ion: 64 Resp: 179901

Ion Ratio Lower Upper

64 100

66 30.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.68

80000

60000

40000

20000

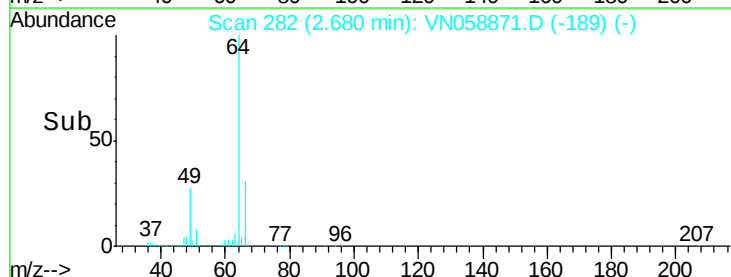
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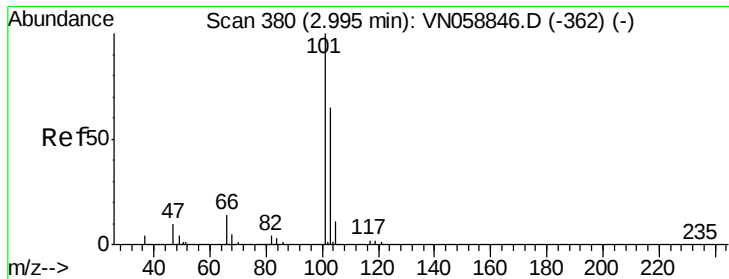
Time-->

2.60

2.70

2.80





#7

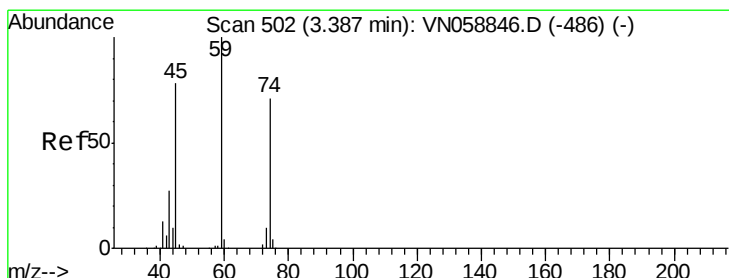
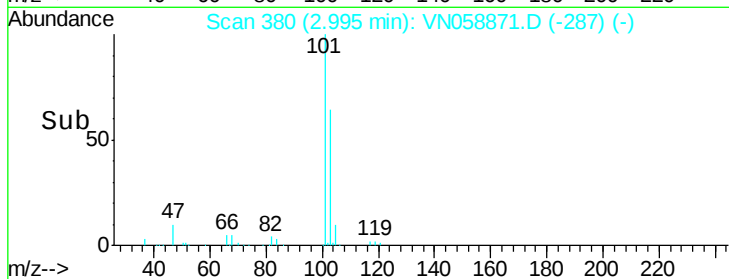
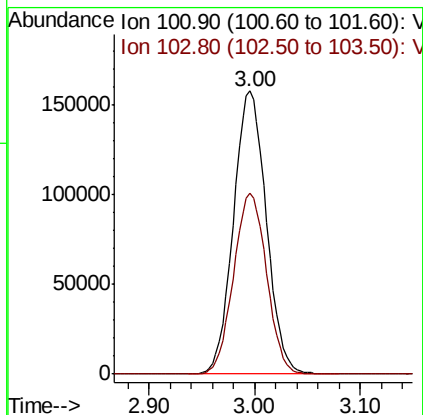
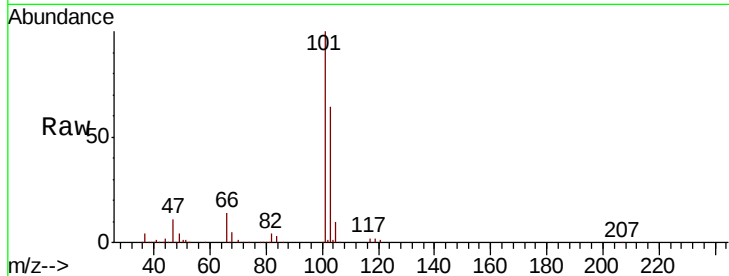
Trichlorofluoromethane
Concen: 48.315 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058871.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.2	78.2

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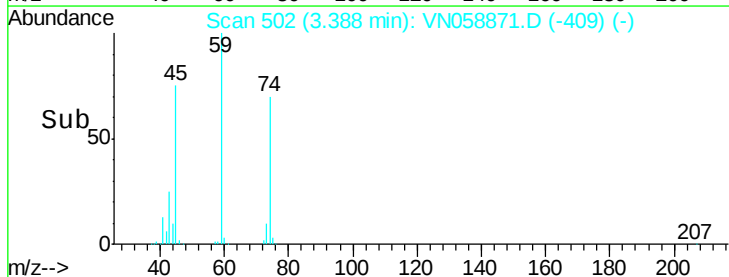
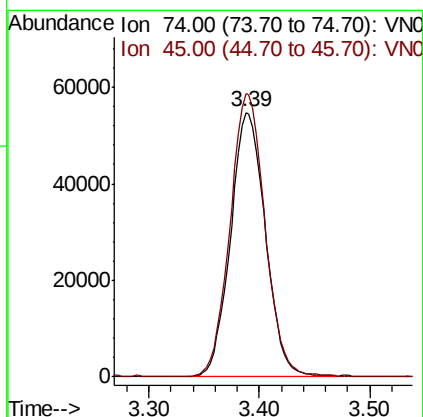
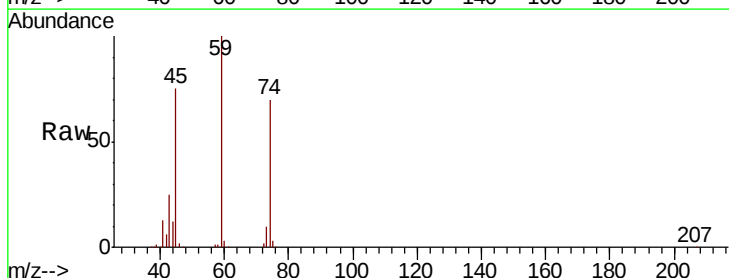
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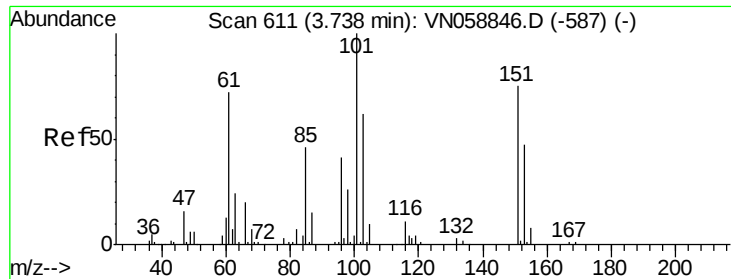


#8

Diethyl Ether
Concen: 49.345 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	54.9	164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.115 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

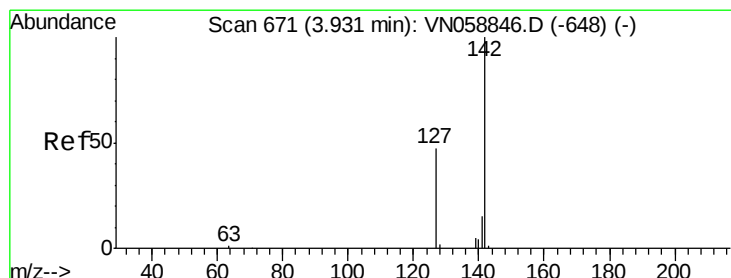
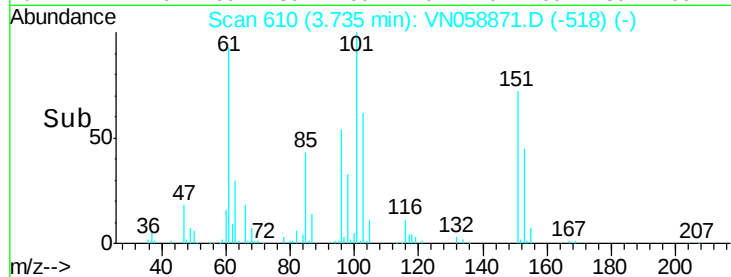
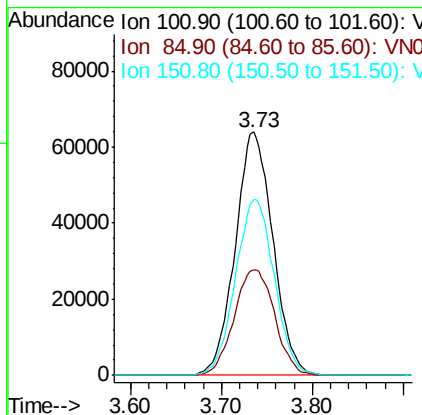
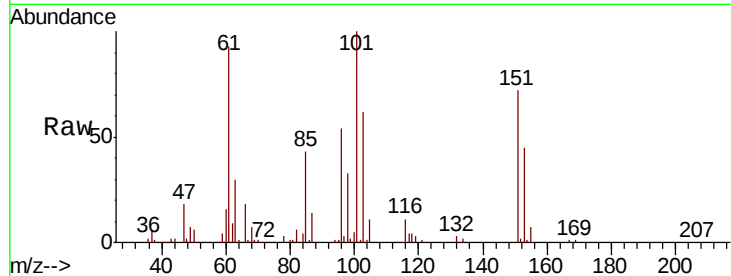
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	184216
Ion Ratio	Lower	Upper	
101	100		
85	46.6	37.2	55.8
151	74.4	59.9	89.9

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#10

Methyl Iodide

Concen: 48.833 ug/l

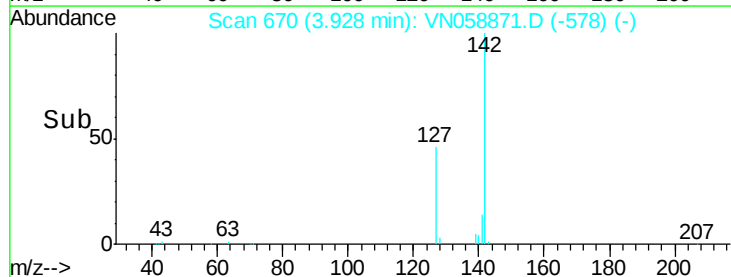
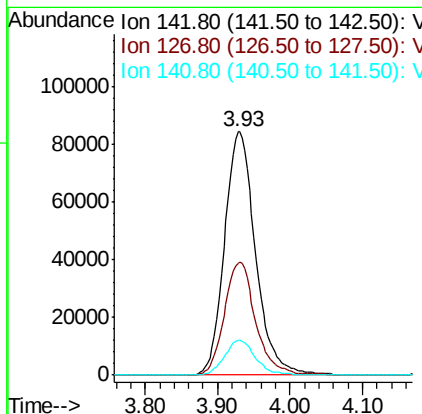
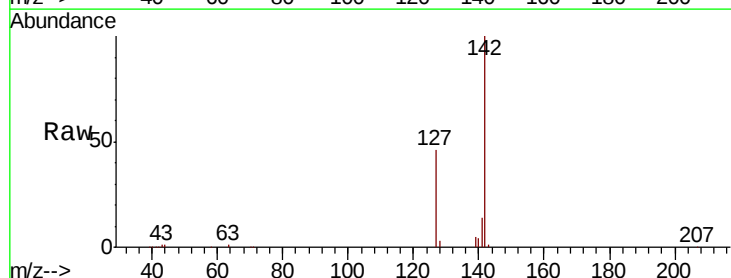
RT: 3.93 min Scan# 670

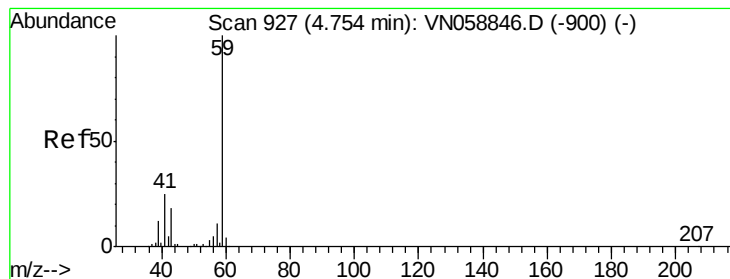
Delta R.T. -0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Tgt Ion:	142	Resp:	251119
Ion Ratio	Lower	Upper	
142	100		
127	46.3	36.6	54.8
141	14.2	11.4	17.2





#11

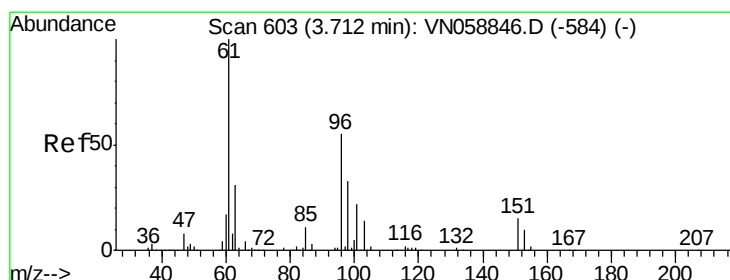
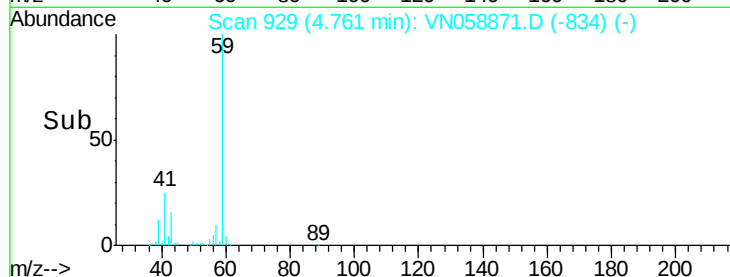
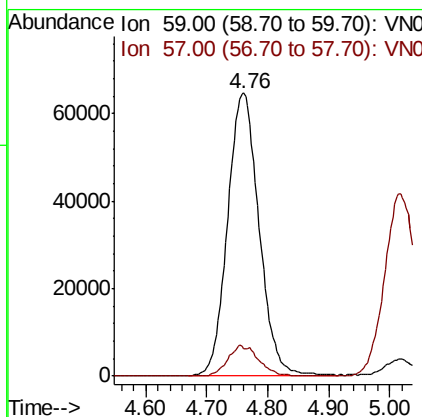
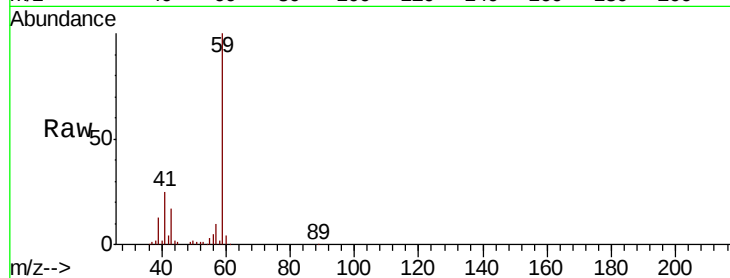
Tert butyl alcohol
Concen: 256.858 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	232411		
57	6.1		8.6	12.8#

Manual Integrations
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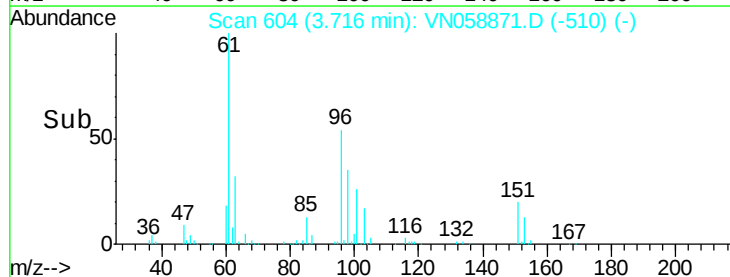
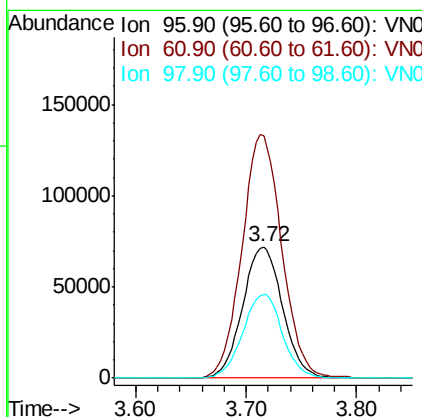
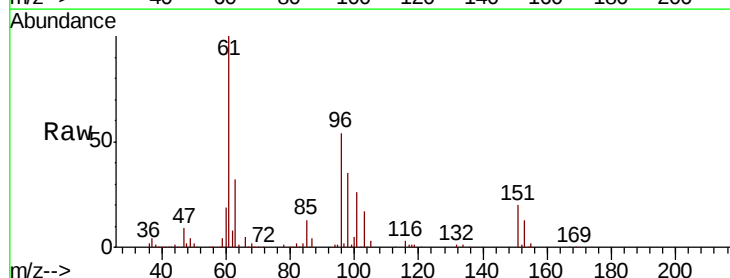
MMDadoda
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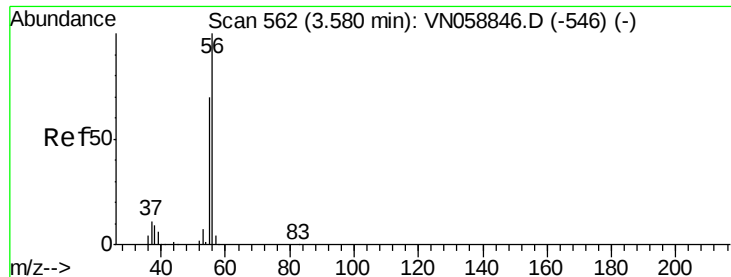


#12

1,1-Dichloroethene
Concen: 49.183 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	180252		
61	184.5		146.2	219.2
98	64.2		48.7	73.1





#13

Acrolein

Concen: 247.542 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 153899

Ion Ratio Lower Upper

56 100

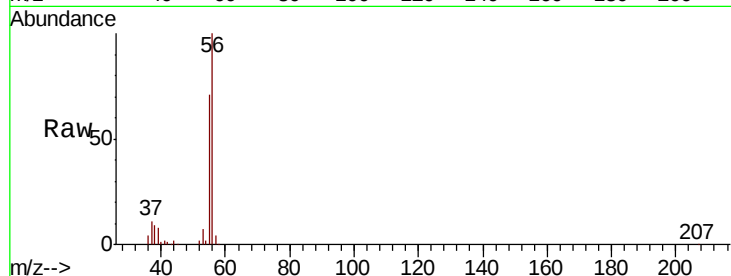
55 71.1 56.6 85.0

Manual Integrations

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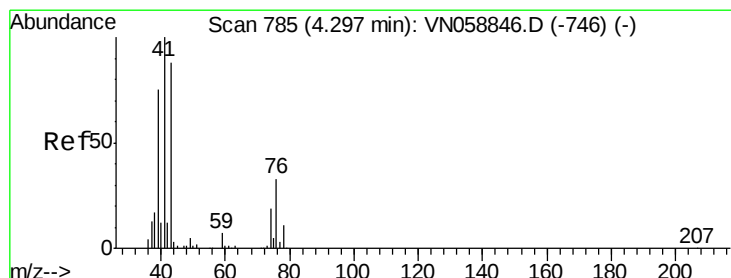
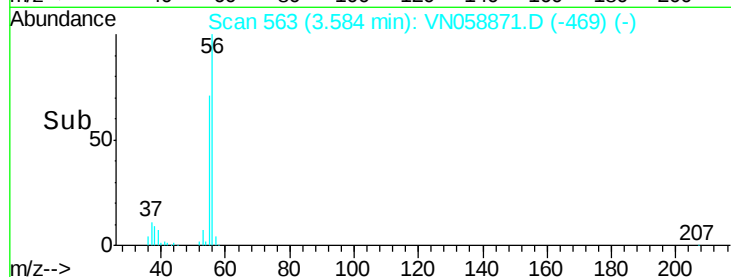
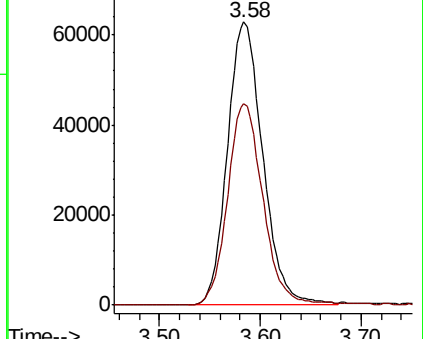
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Abundance Ion 56.00 (55.70 to 56.70): VN058846.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN058846.D (-546) (-)



#14

Allyl chloride

Concen: 49.587 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

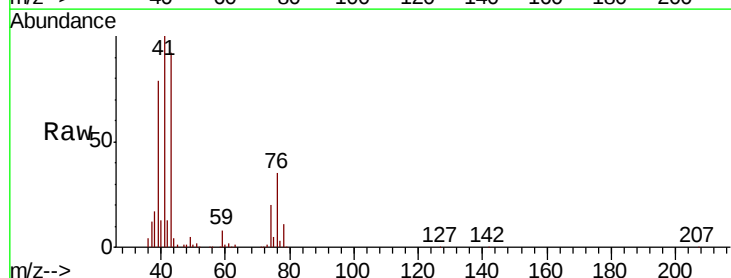
Tgt Ion: 41 Resp: 367742

Ion Ratio Lower Upper

41 100

39 70.9 55.9 83.9

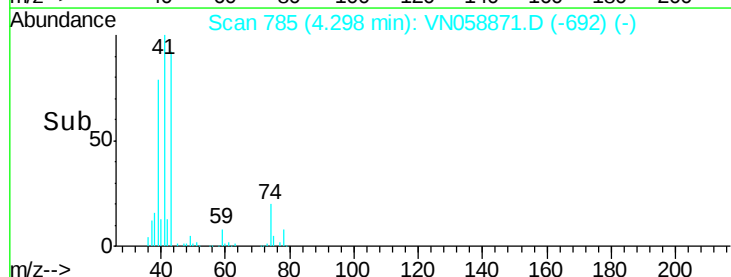
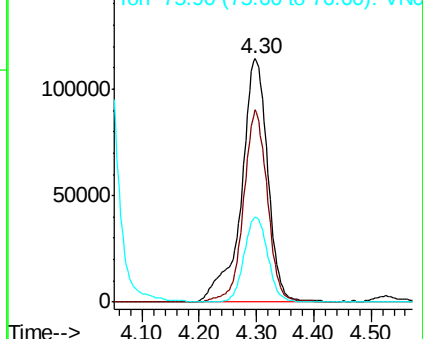
76 30.7 24.1 36.1

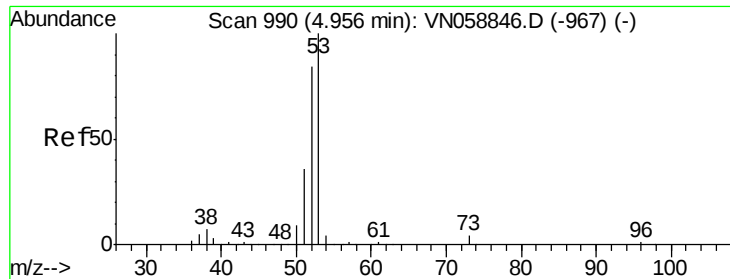


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-746) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-746) (-)

Ion 75.90 (75.60 to 76.60): VN058846.D (-746) (-)





#15

Acrylonitrile

Concen: 261.988 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

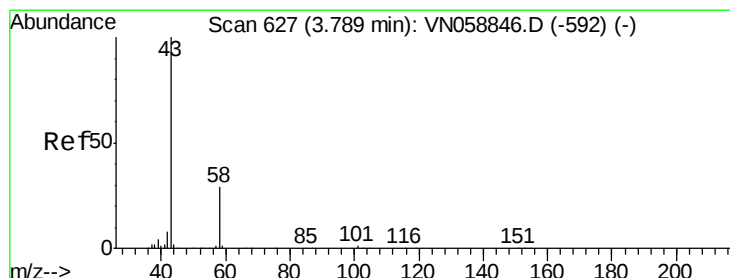
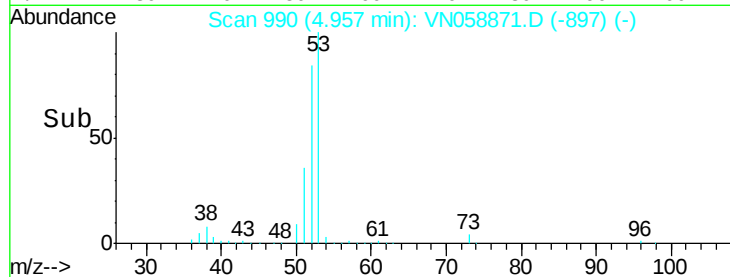
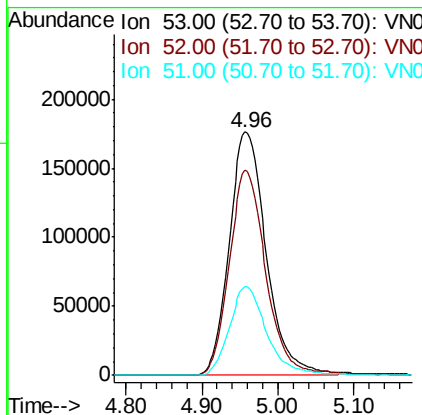
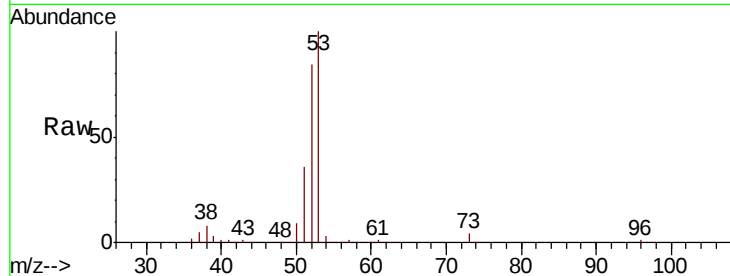
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	596285
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.6	99.8
51	37.1	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 210.804 ug/l

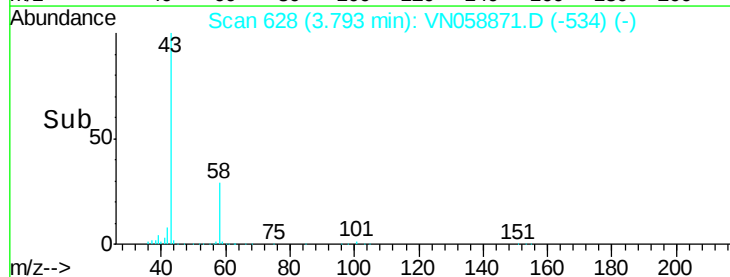
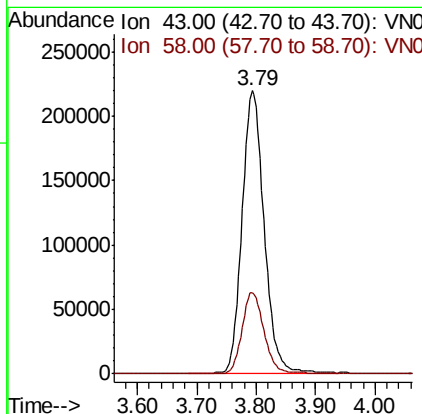
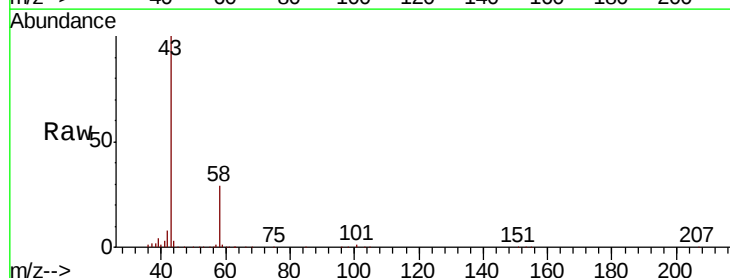
RT: 3.79 min Scan# 628

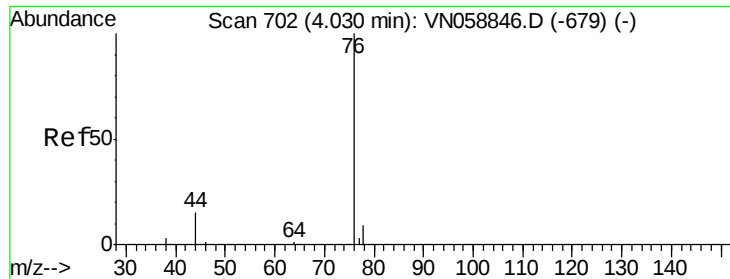
Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Tgt Ion:	43	Resp:	567972
Ion Ratio		Lower	Upper
43	100		
58	28.6	23.1	34.7





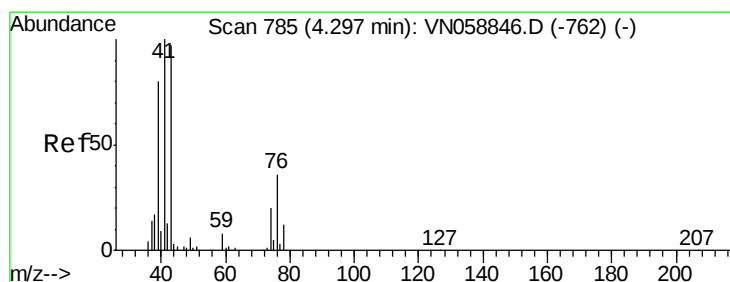
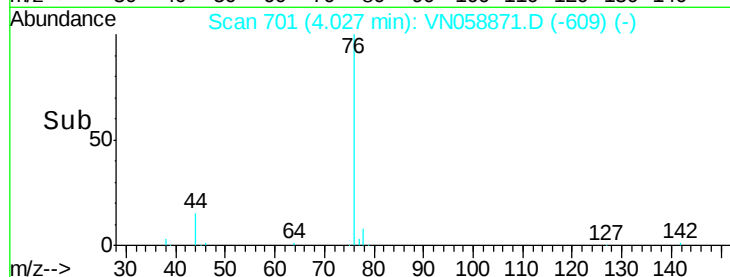
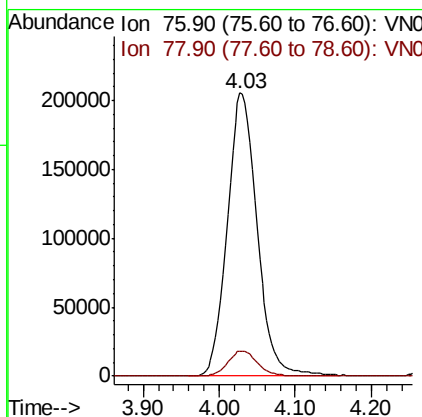
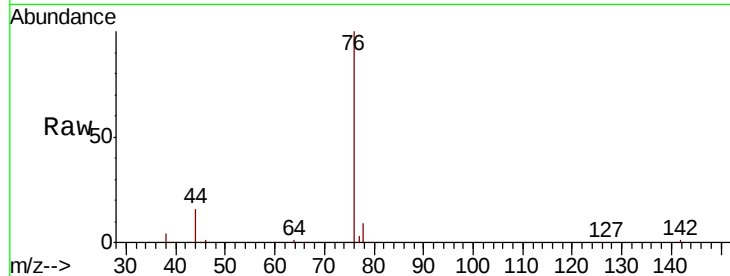
#17
Carbon Disulfide
Concen: 47.508 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

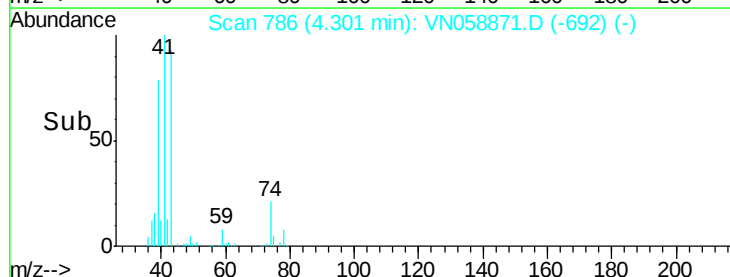
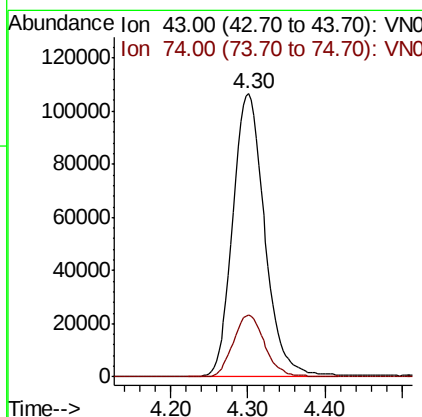
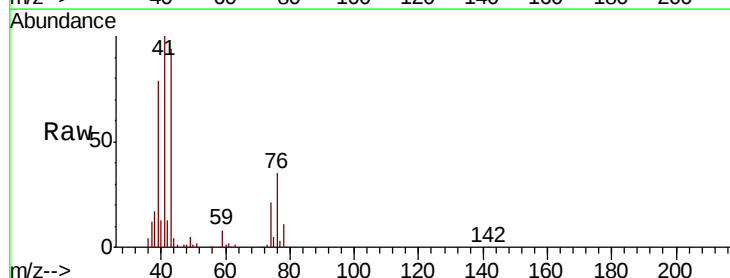
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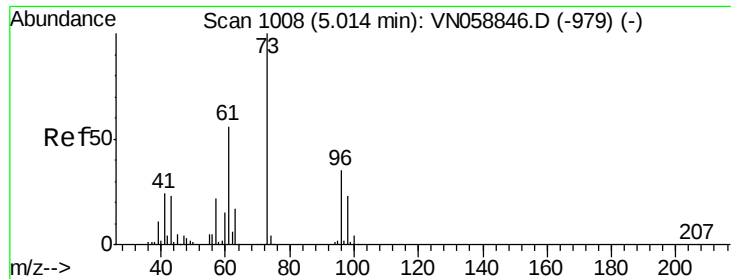
MMDadoda
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#18
Methyl Acetate
Concen: 49.316 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.1	25.7





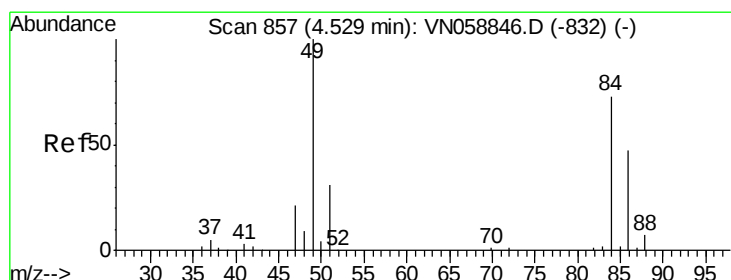
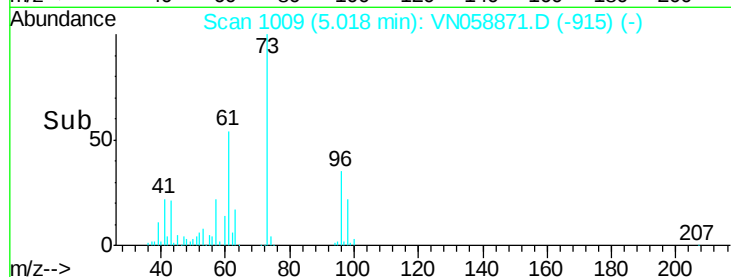
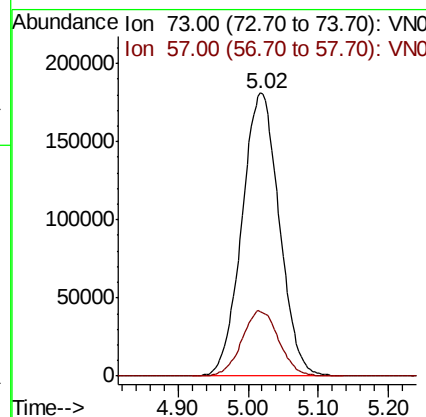
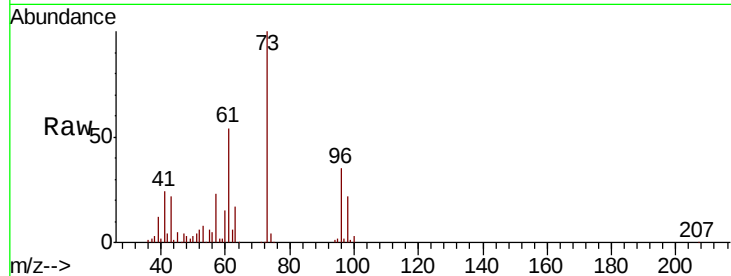
#19
Methvl tert-butvl Ether
Concen: 52.176 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 669567
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9

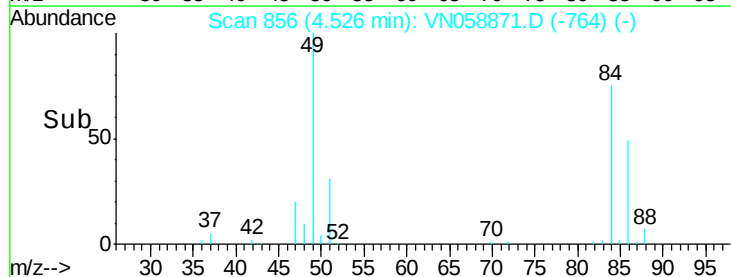
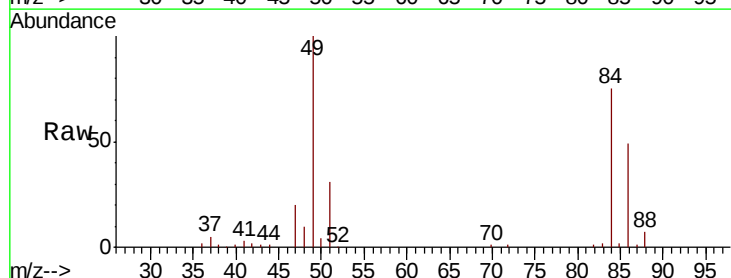
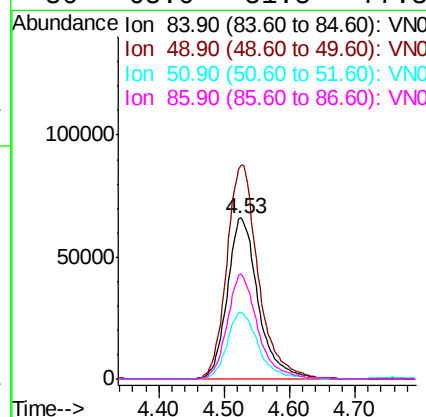
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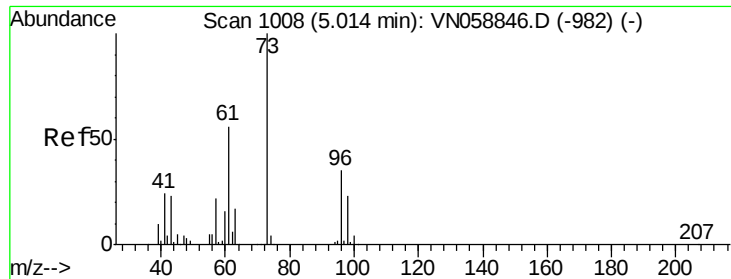
MMDadoda
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#20
Methylene Chloride
Concen: 47.105 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion: 84 Resp: 216711
Ion Ratio Lower Upper
84 100
49 132.7 109.6 164.4
51 41.3 33.8 50.6
86 65.0 51.5 77.3





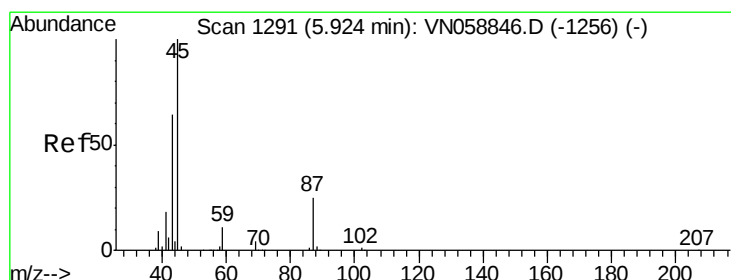
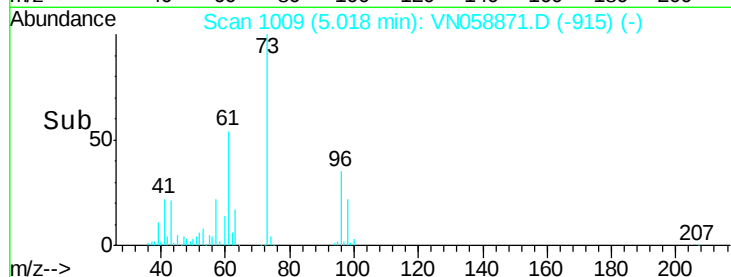
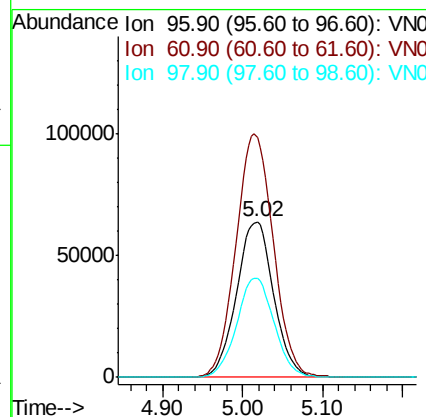
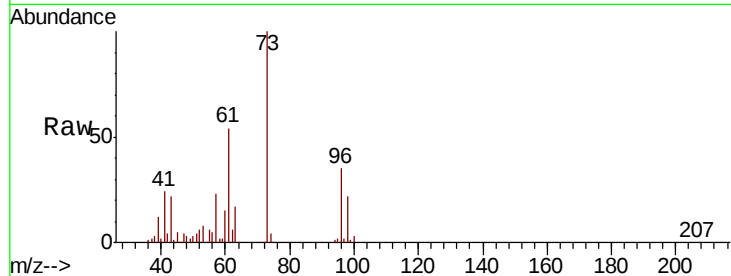
#21
trans-1,2-Dichloroethene
Concen: 49.532 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.0	126.7	190.1
98	63.5	52.0	78.0

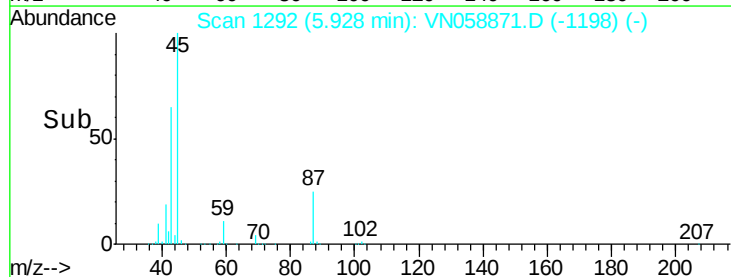
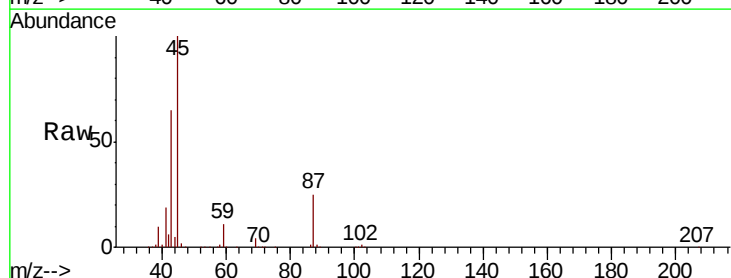
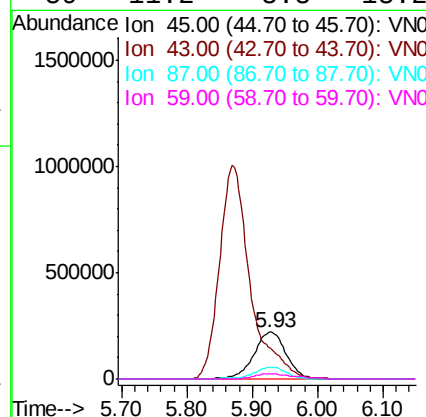
Manual Integrations
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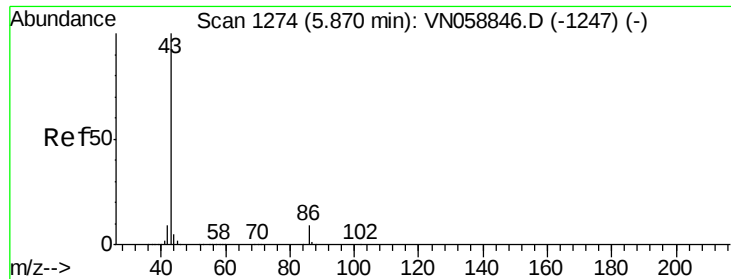
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#22
Diisopropyl ether
Concen: 52.494 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.6	52.9	79.3
87	25.1	20.2	30.4
59	11.2	8.8	13.2





#23

Vinyl Acetate

Concen: 282.457 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3291808

Ion Ratio Lower Upper

43 100

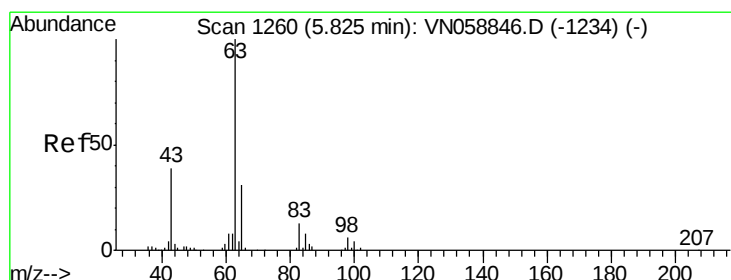
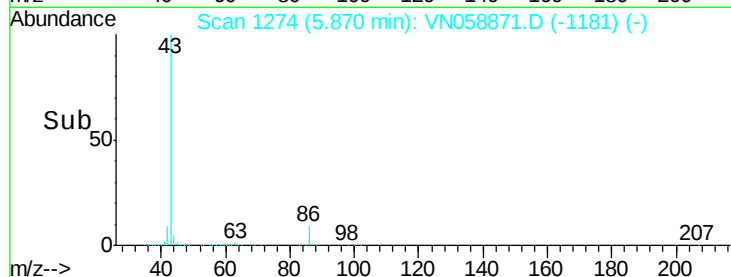
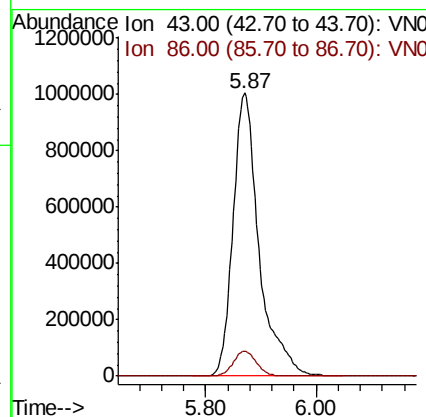
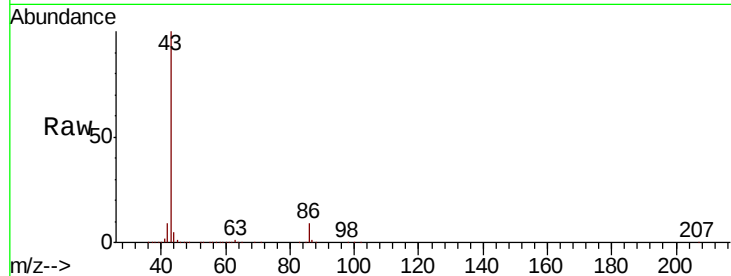
86 8.8 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.809 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

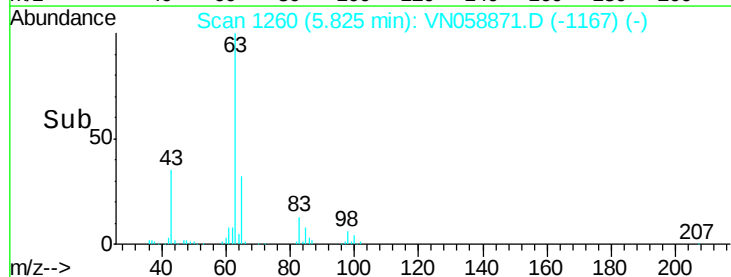
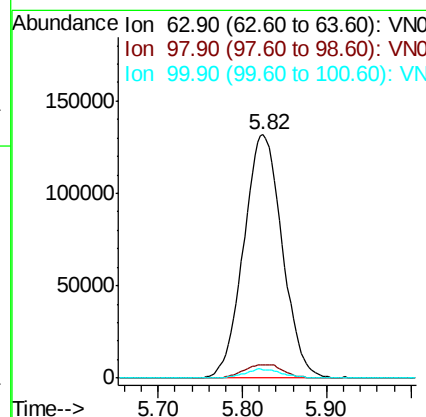
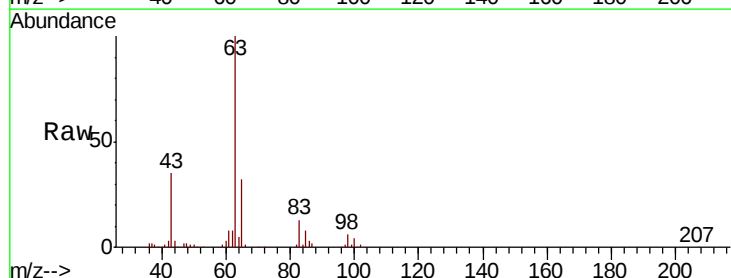
Tgt Ion: 63 Resp: 418942

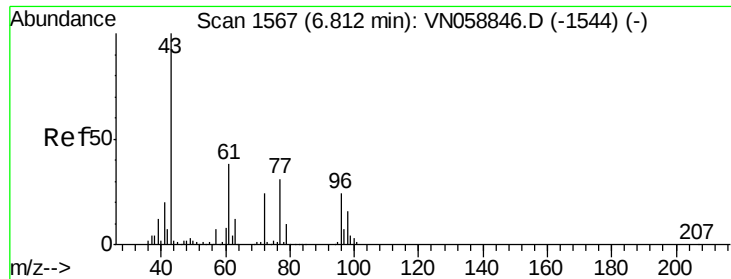
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.5 1.9 5.7





#25

2-Butanone

Concen: 249.158 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 871432

Ion Ratio Lower Upper

43 100

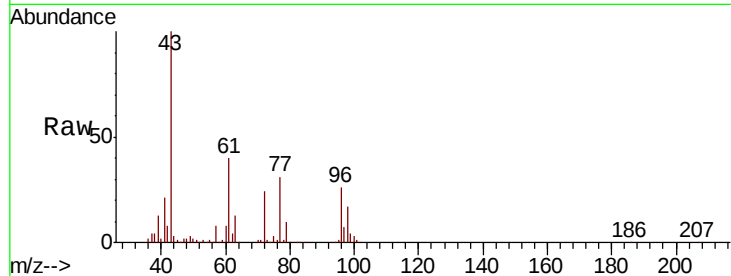
72 24.2 19.1 28.7

Manual Integrations

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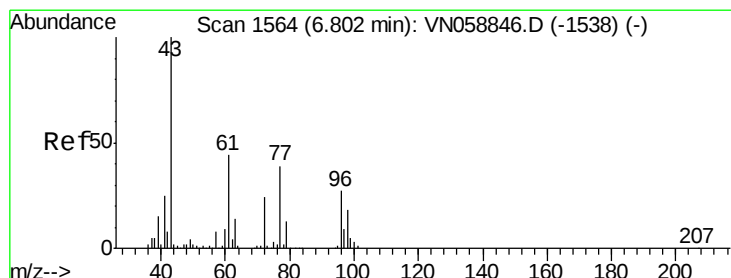
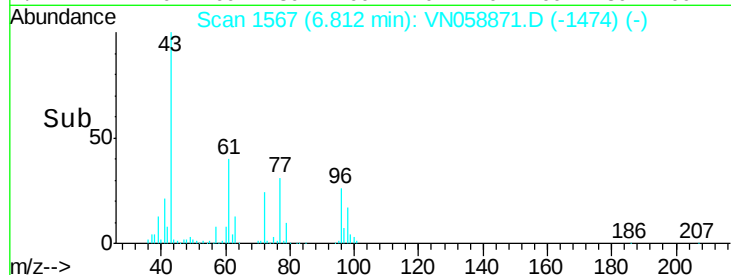
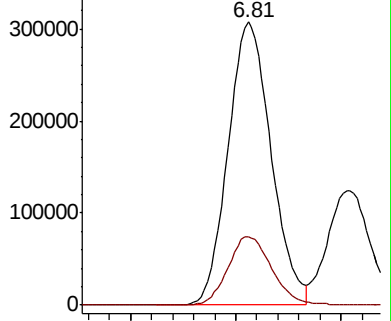
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 46.948 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058871.D

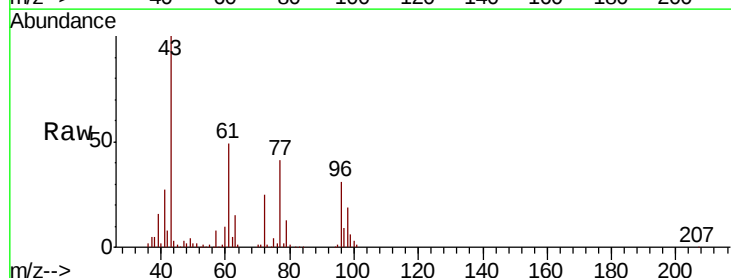
Acq: 18 Oct 2019 20:06

Tgt Ion: 77 Resp: 341563

Ion Ratio Lower Upper

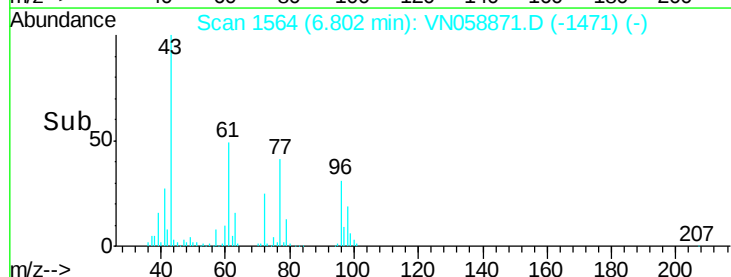
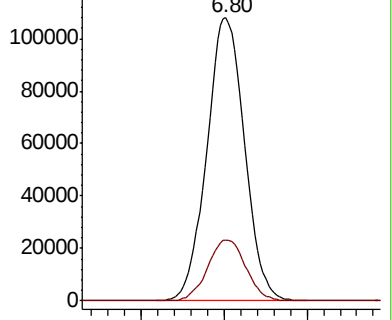
77 100

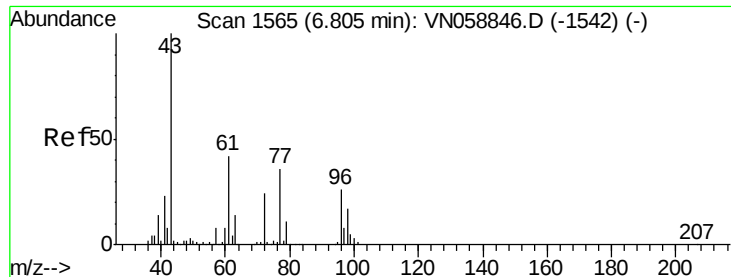
97 21.8 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 51.394 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

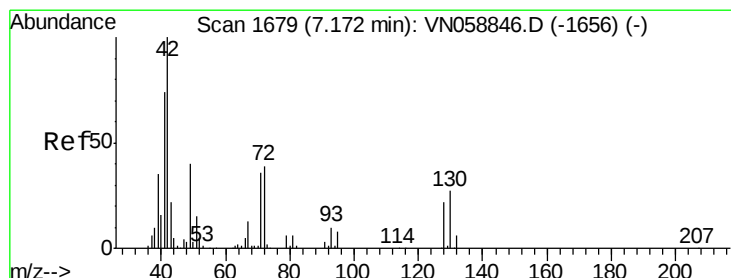
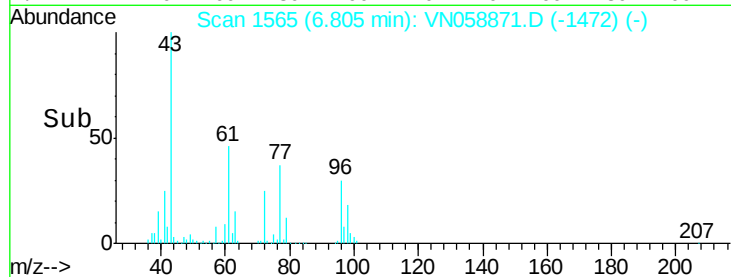
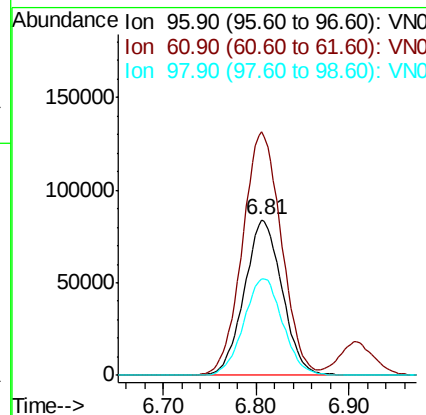
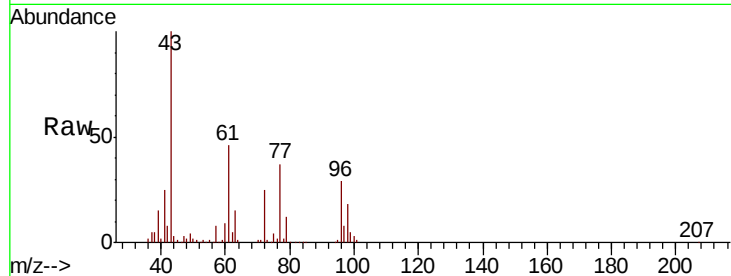
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	237621
Ion Ratio	Lower	Upper	
96	100		
61	161.6	0.0	325.0
98	64.1	0.0	128.0

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#28

Bromochloromethane

Concen: 51.966 ug/l

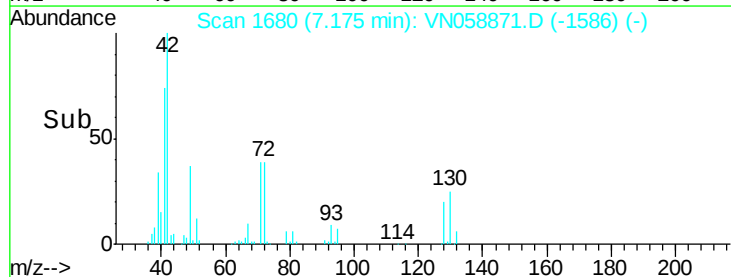
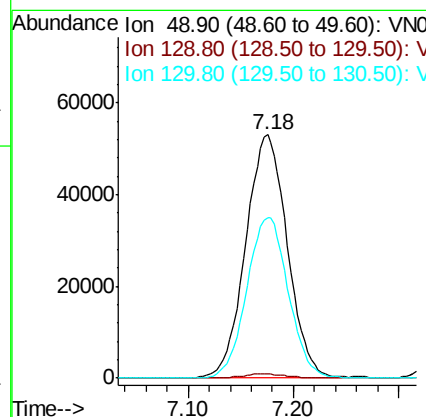
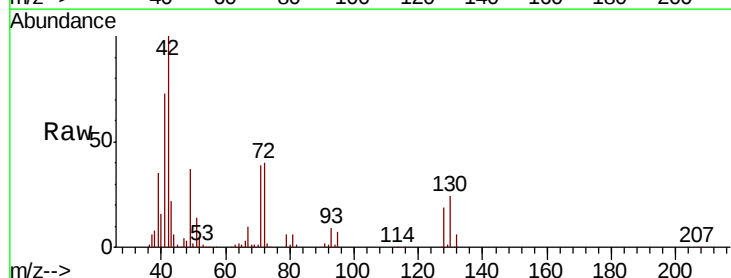
RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Tgt Ion:	49	Resp:	145567
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.2
130	65.9	53.5	80.3





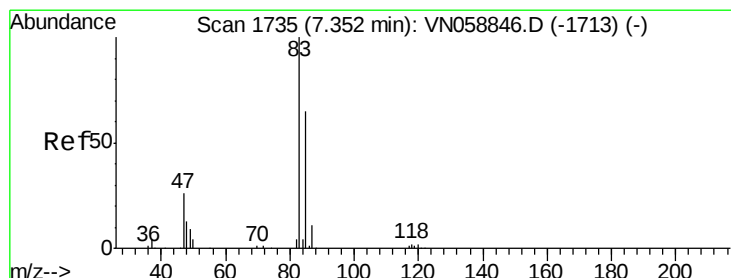
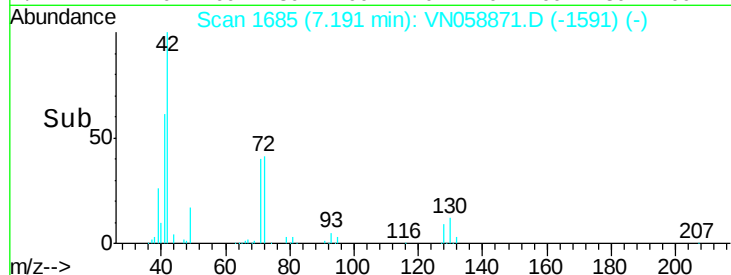
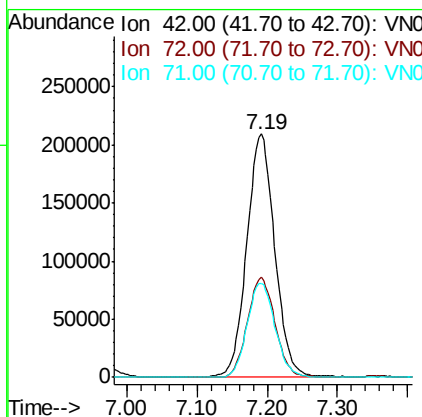
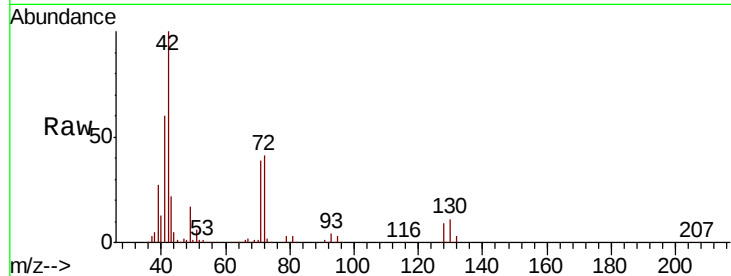
#29
Tetrahydrofuran
Concen: 270.957 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.2	48.2
71	38.6	30.6	45.8

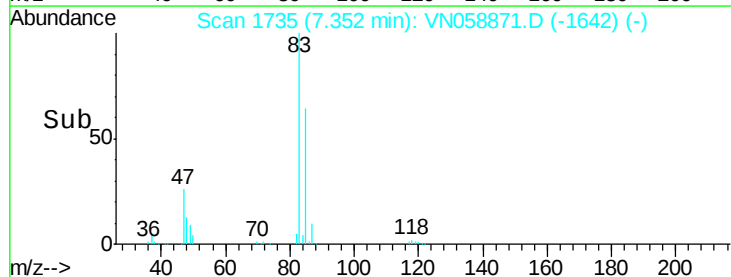
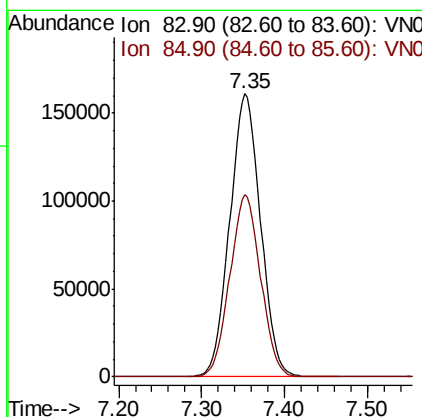
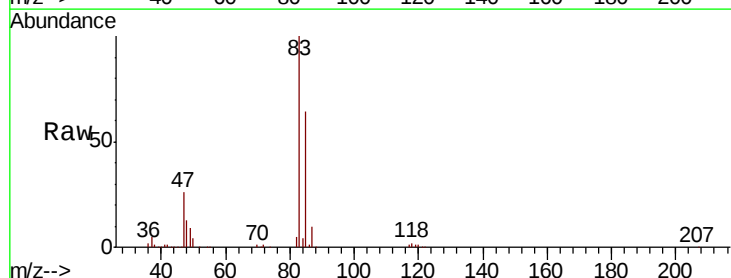
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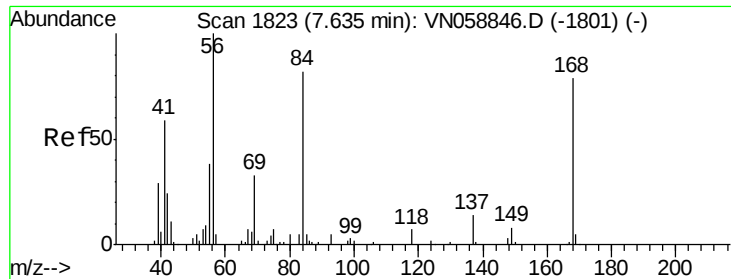
MMDadoda
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#30
Chloroform
Concen: 49.256 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.9	77.9





#31

Cyclohexane

Concen: 47.429 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

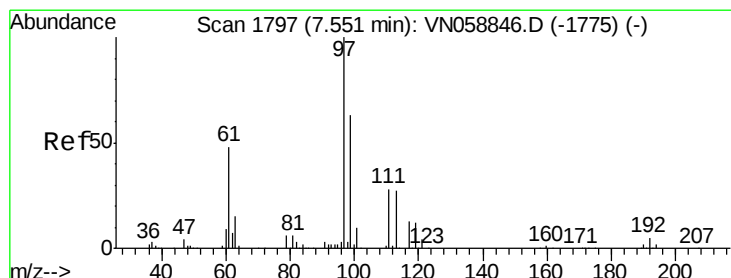
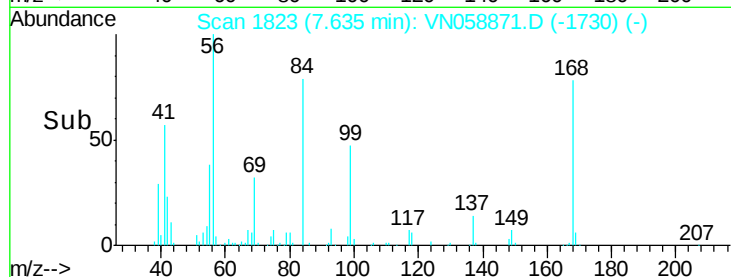
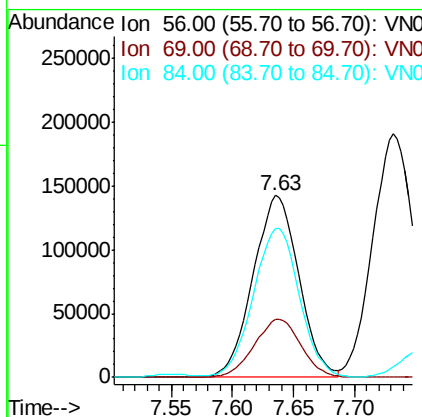
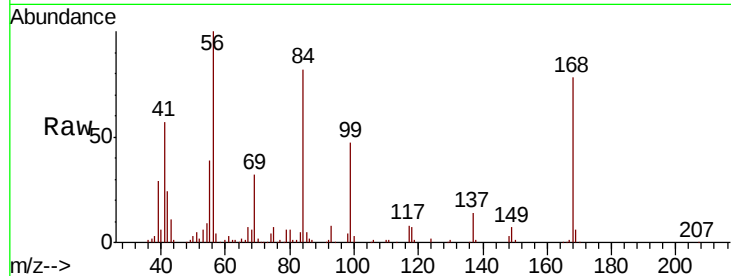
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	371647
Ion Ratio	Lower	Upper	
56	100		
69	31.7	26.2	39.4
84	80.5	65.6	98.4

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#32

1,1,1-Trichloroethane

Concen: 50.020 ug/l

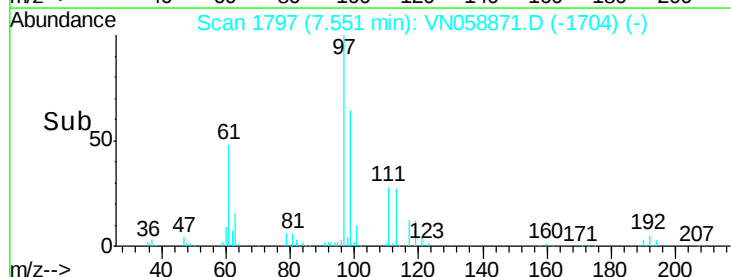
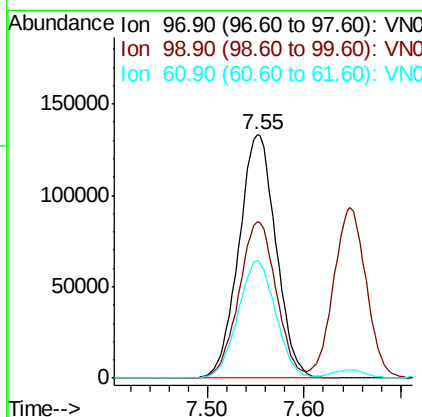
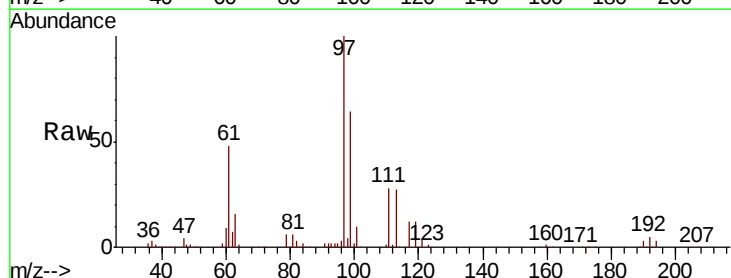
RT: 7.55 min Scan# 1797

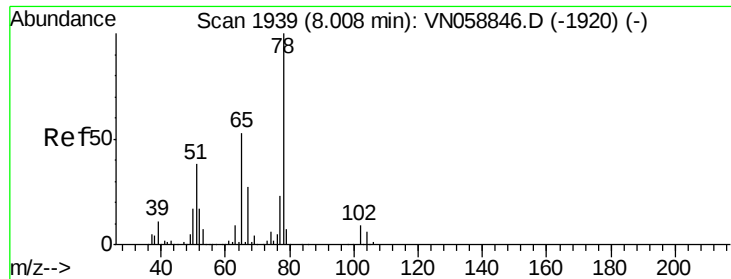
Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Tgt Ion:	97	Resp:	355719
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.0	76.4
61	48.8	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 51.583 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 281257

Ion Ratio Lower Upper

65 100

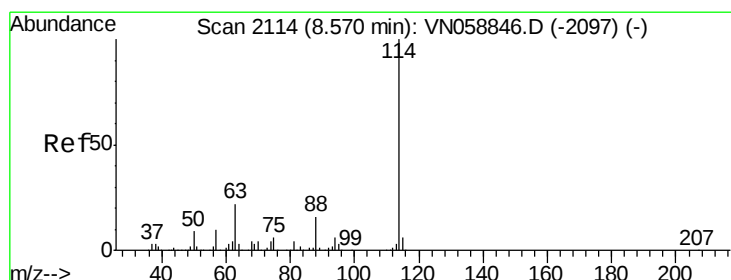
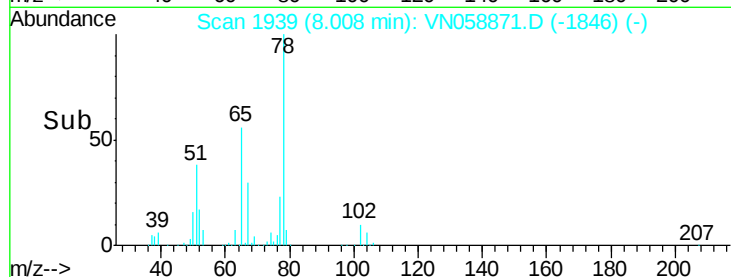
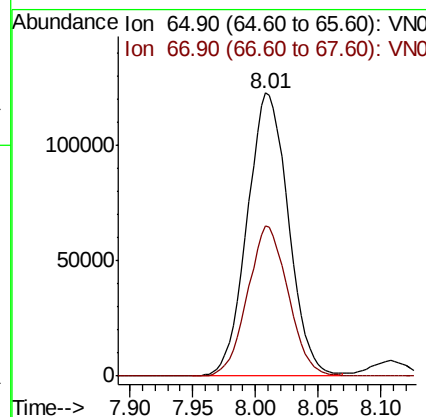
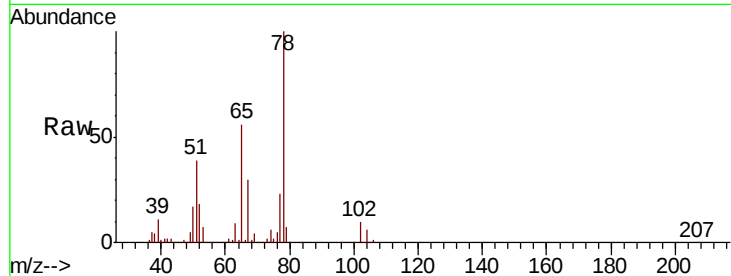
67 52.3 0.0 103.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

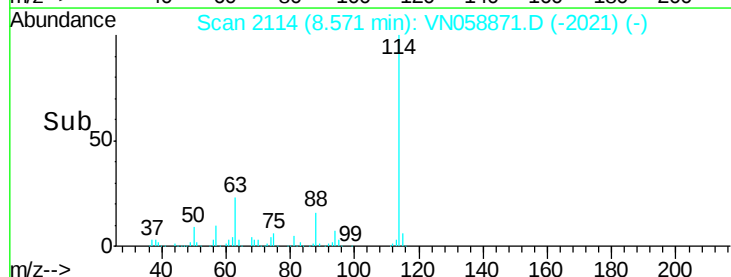
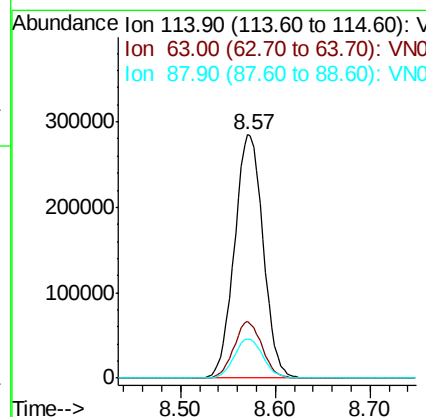
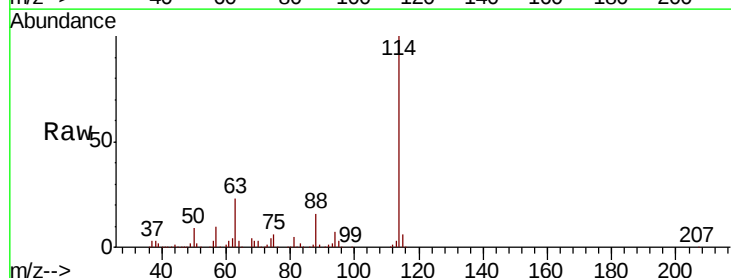
Tgt Ion: 114 Resp: 600901

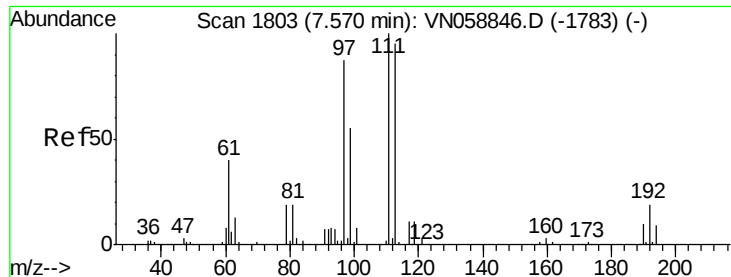
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.4

88 16.2 0.0 31.4





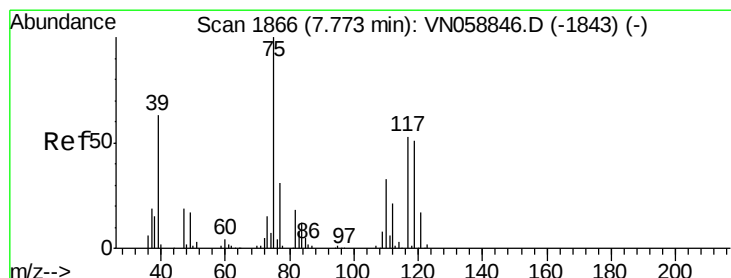
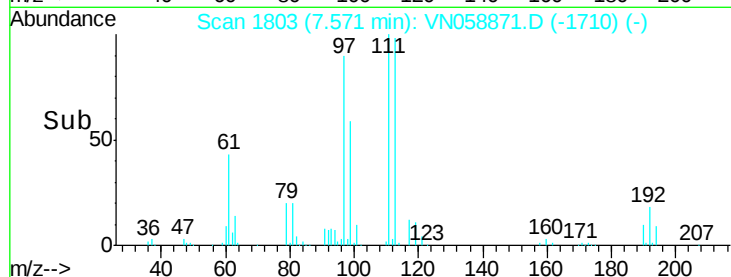
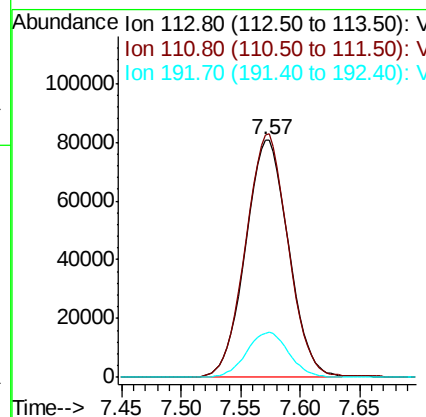
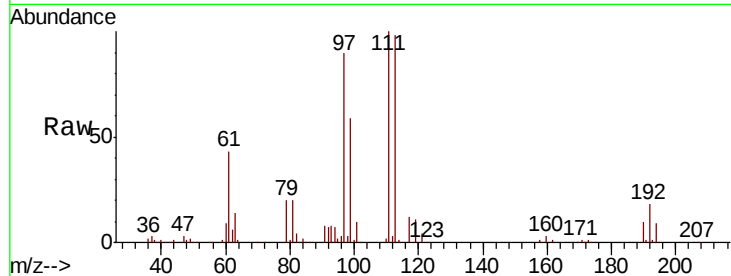
#35
 Dibromofluoromethane
 Concen: 51.176 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202184		
111	101.4	82.0	123.0	
192	18.7	15.0	22.6	

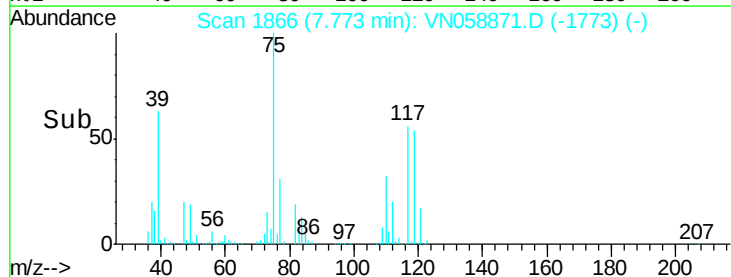
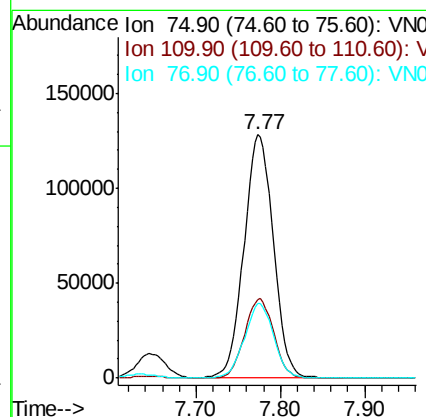
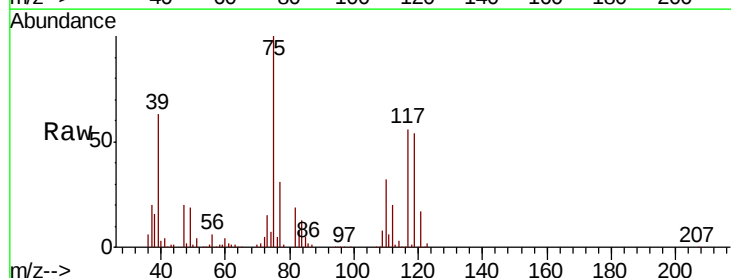
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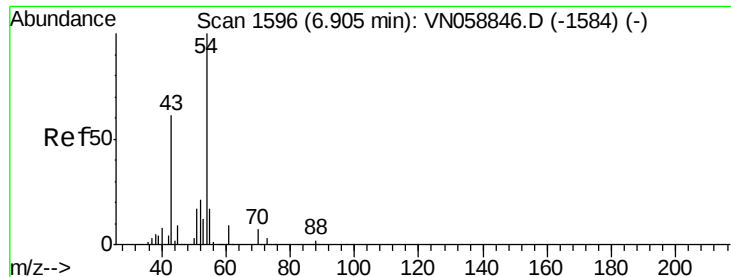
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#36
 1,1-Dichloropropene
 Concen: 50.520 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	310796		
110	32.3	16.3	48.9	
77	30.7	24.6	36.8	





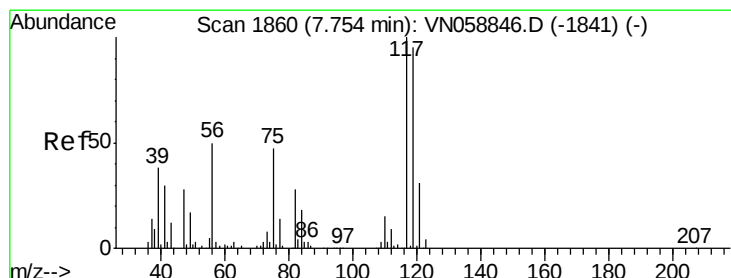
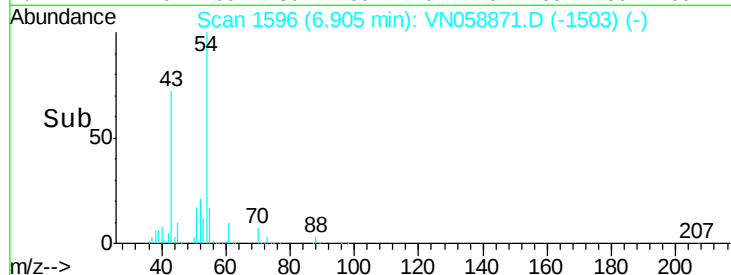
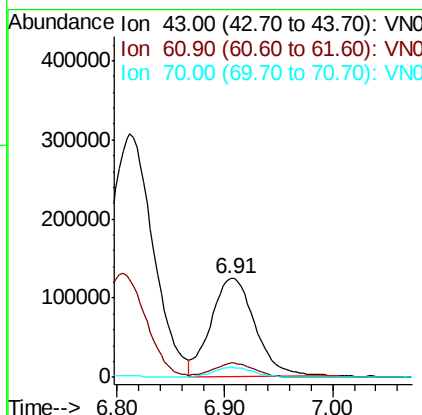
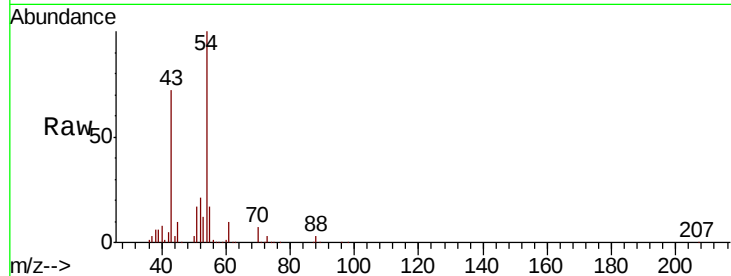
#37
Ethyl Acetate
Concen: 52.852 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	9.6	7.6	11.4

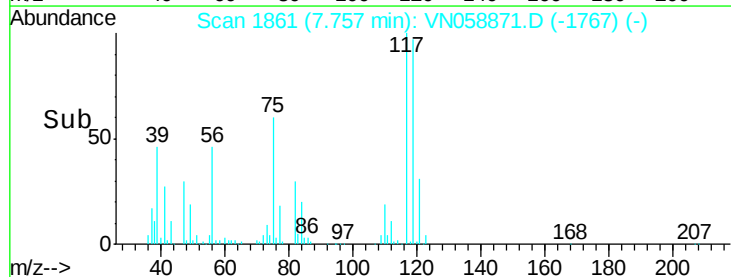
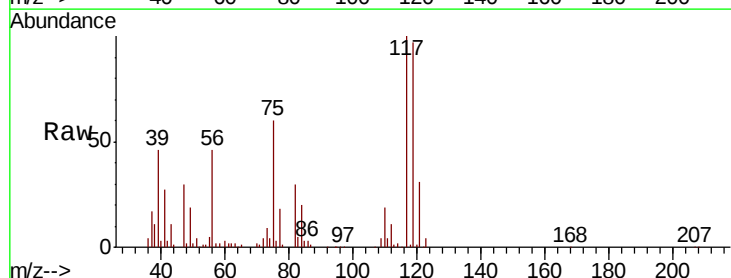
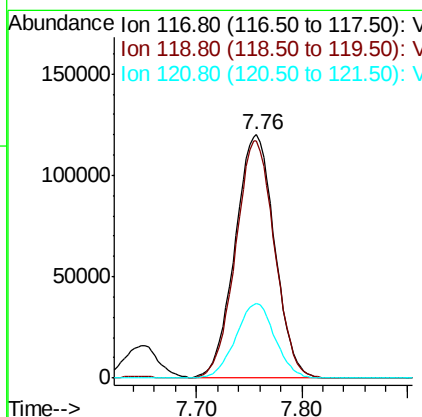
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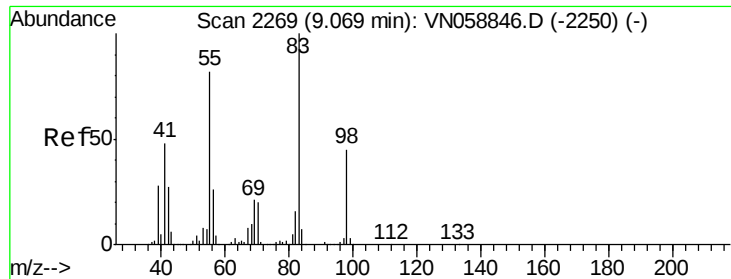
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#38
Carbon Tetrachloride
Concen: 49.341 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.7	113.5
121	30.8	25.0	37.6





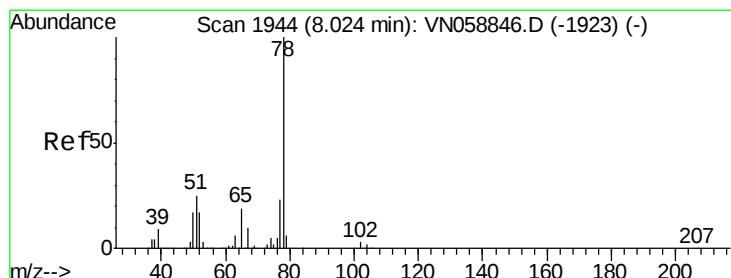
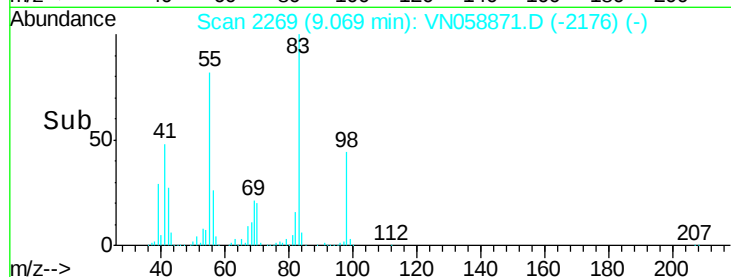
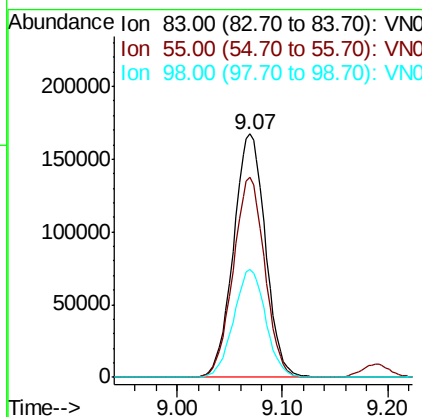
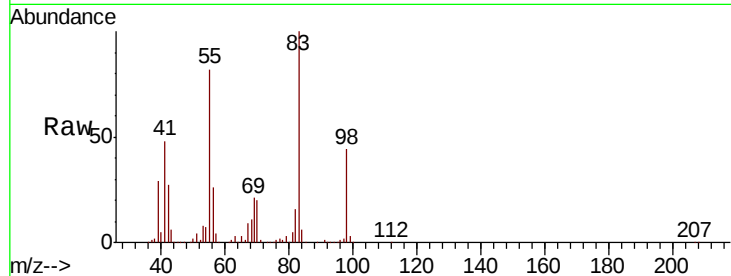
#39
Methvlcvclohexane
Concen: 50.819 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.3	65.5	98.3
98	44.2	35.7	53.5

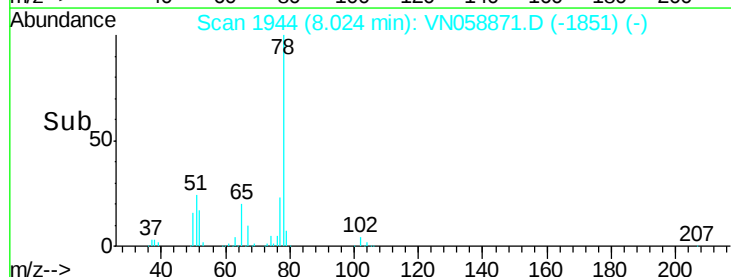
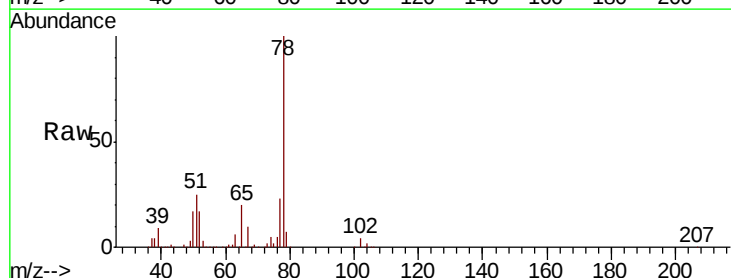
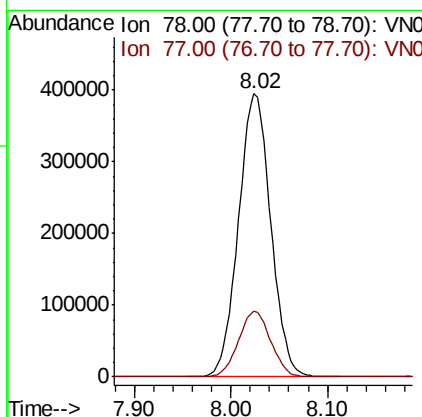
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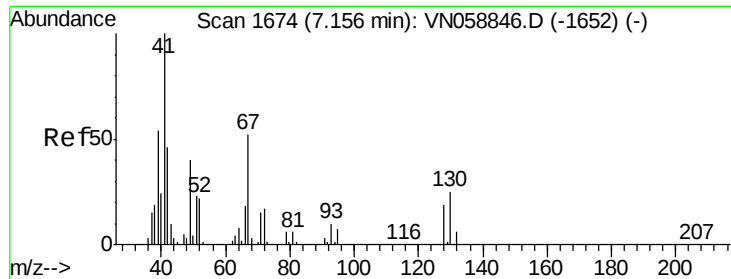
MMDadoda
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#40
Benzene
Concen: 50.693 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2





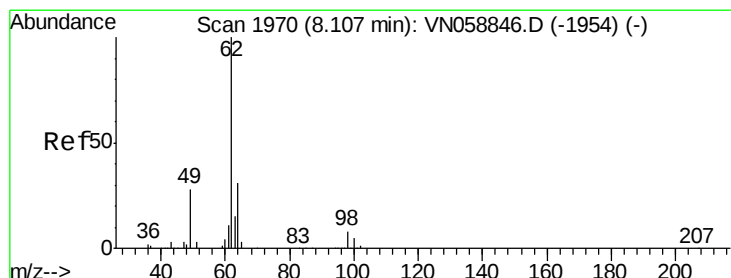
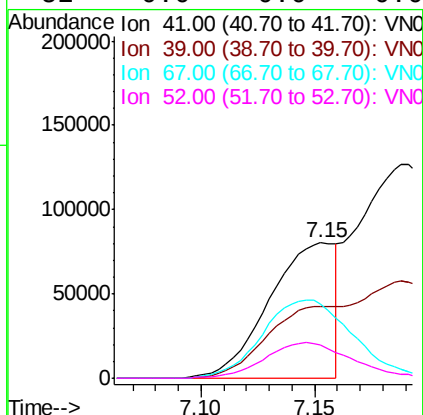
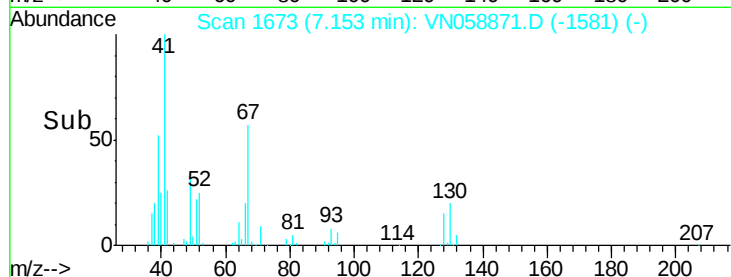
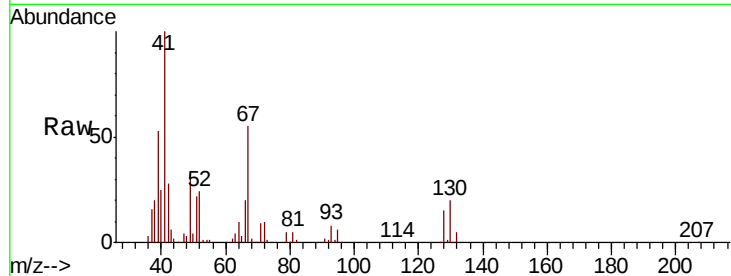
#41
Methacrylonitrile
Concen: 54.447 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

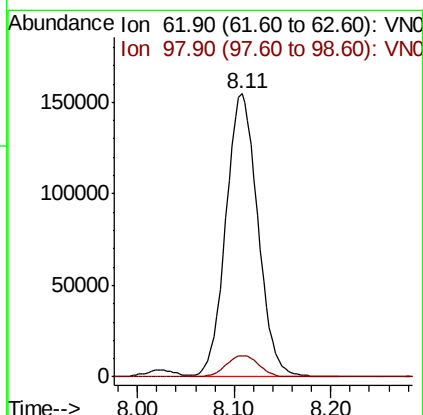
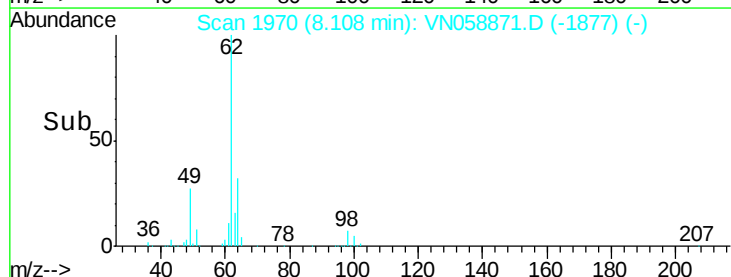
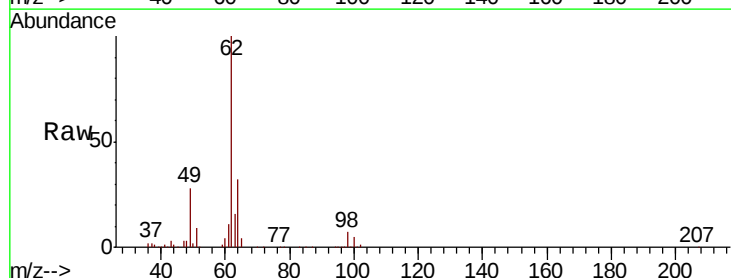
Manual Integrations
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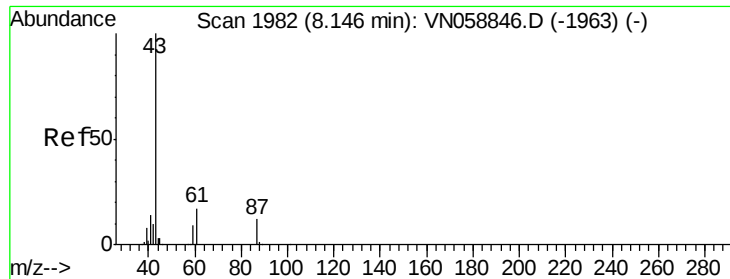
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.836 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.2





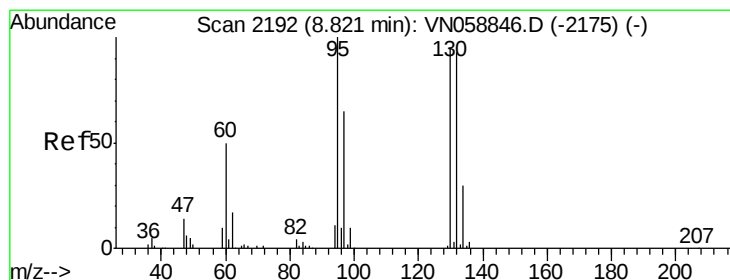
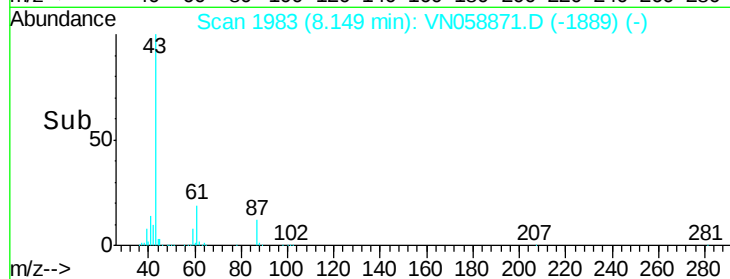
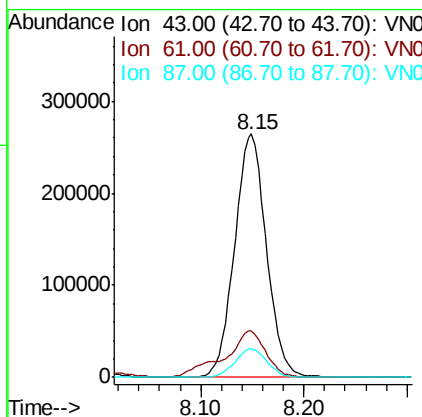
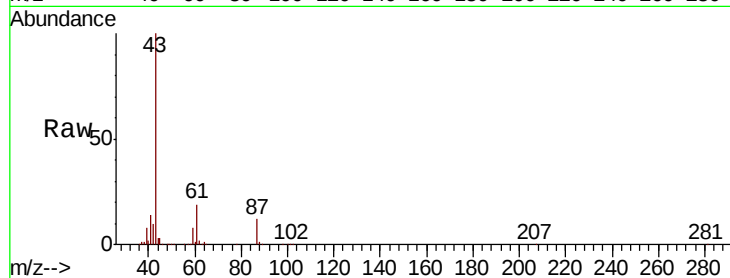
#43
Isopropyl Acetate
Concen: 52.577 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.0	20.2	30.2
87	11.9	9.5	14.3

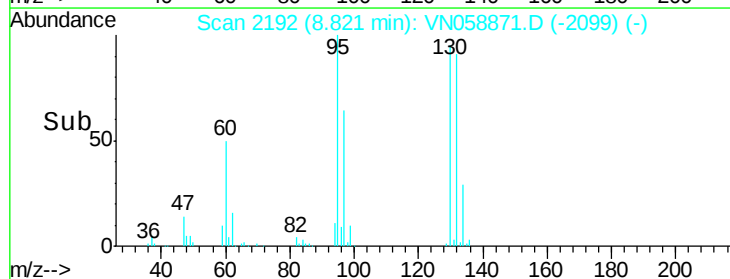
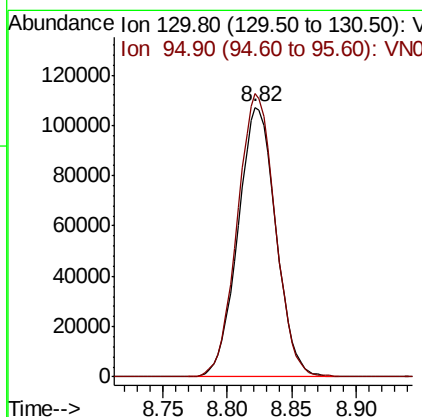
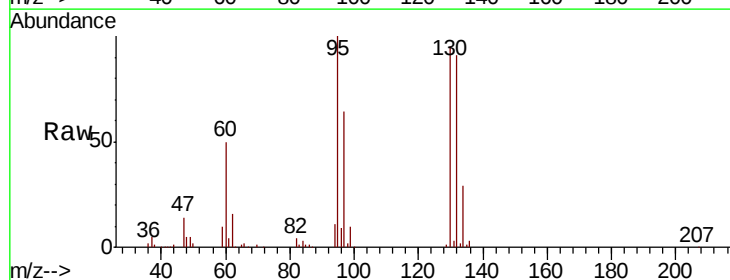
Manual Integrations
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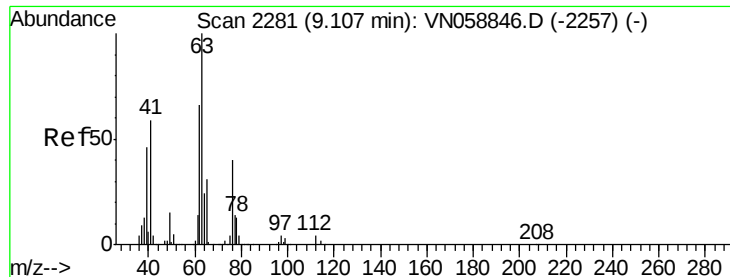
MMDadoda
10/21/2019 10:42:54 AM



#44
Trichloroethene
Concen: 49.923 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	209.6





#45

1,2-Dichloropropane

Concen: 50.681 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 251061

Ion Ratio Lower Upper

63 100

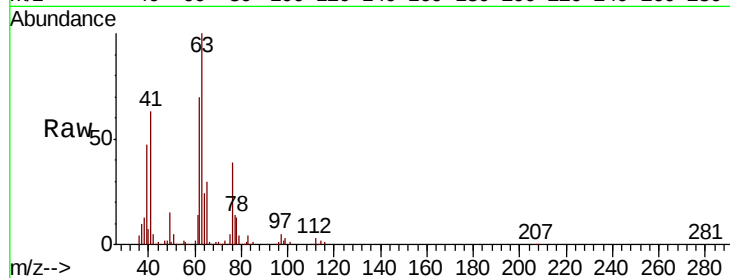
65 30.3 24.5 36.7

Manual Integrations

APPROVED

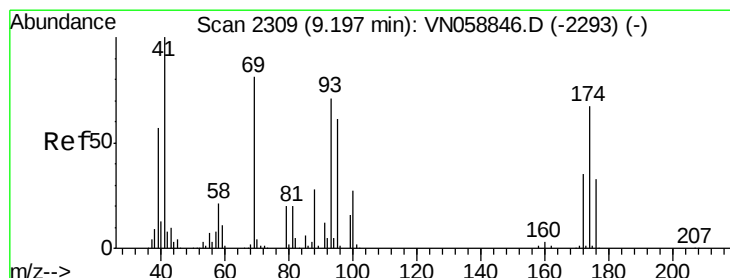
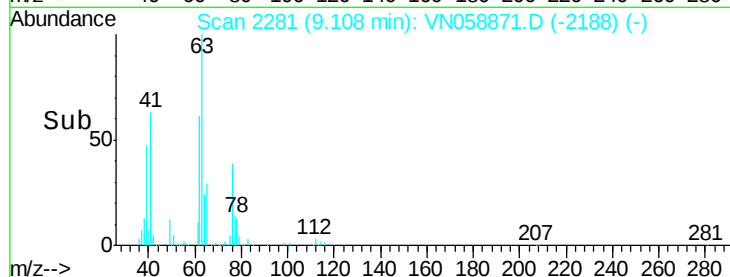
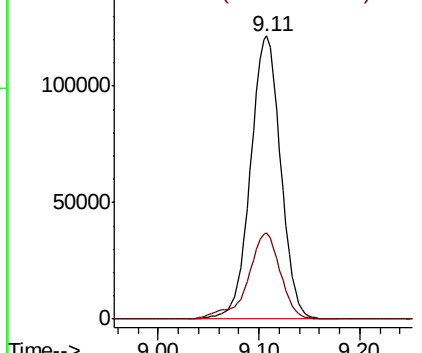
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 51.112 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

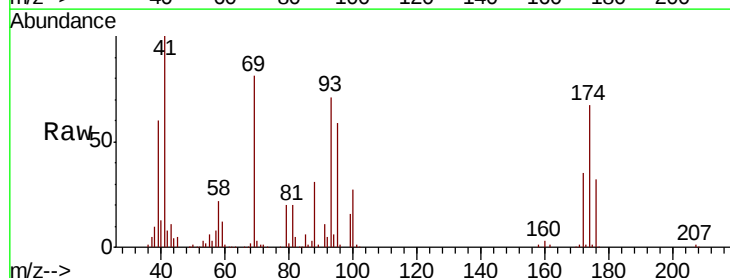
Tgt Ion: 93 Resp: 160065

Ion Ratio Lower Upper

93 100

95 81.8 67.6 101.4

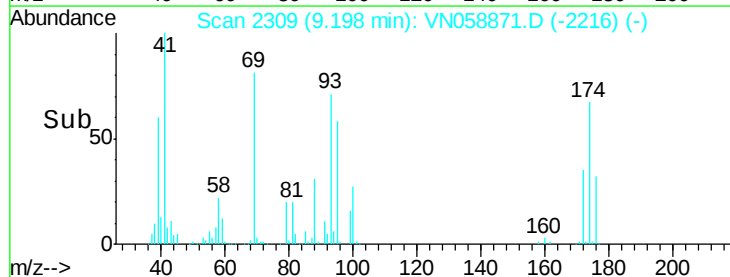
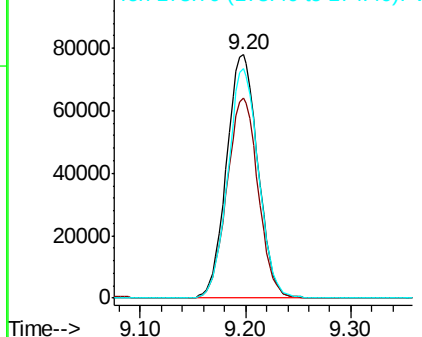
174 92.4 74.1 111.1

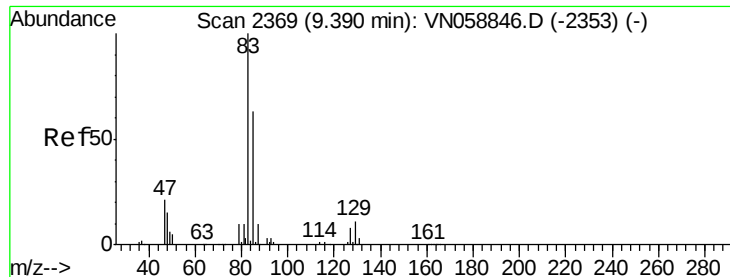


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 51.062 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

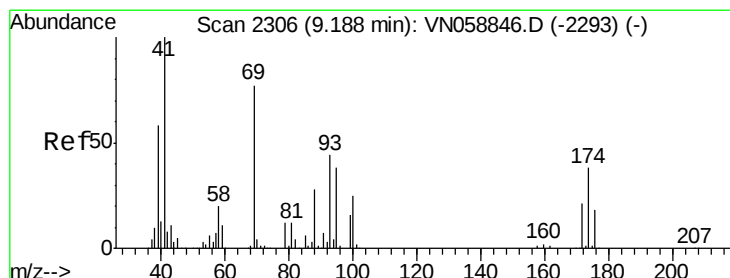
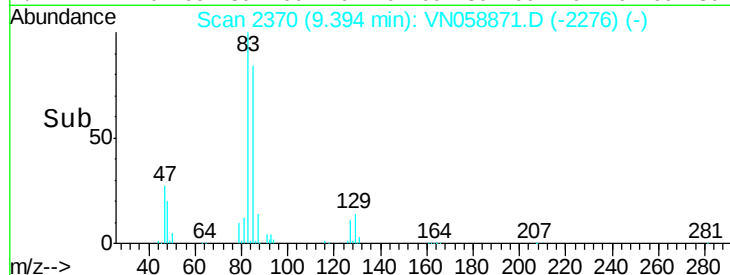
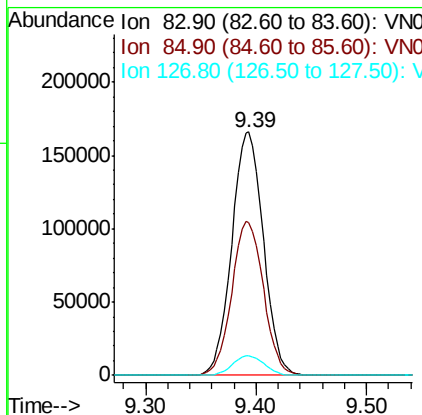
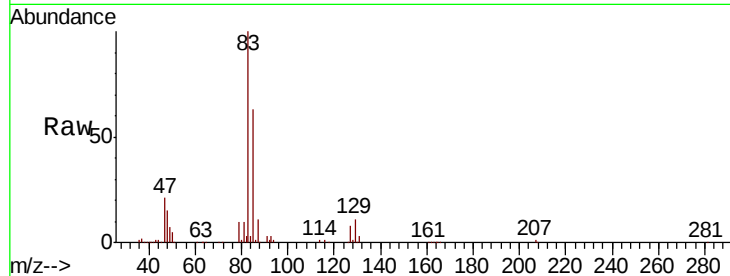
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	329579
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.6	75.8
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.422 ug/l

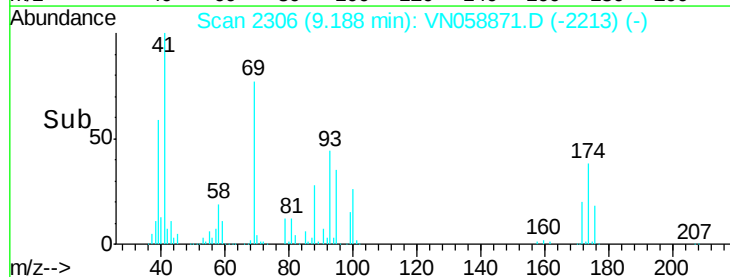
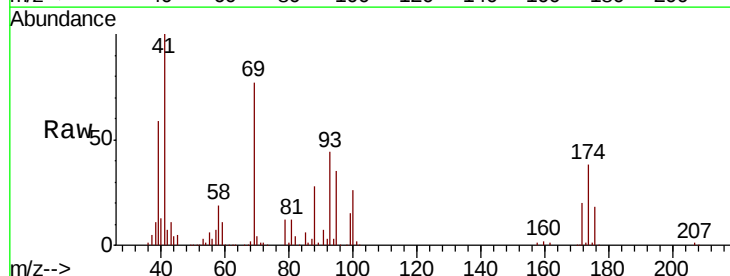
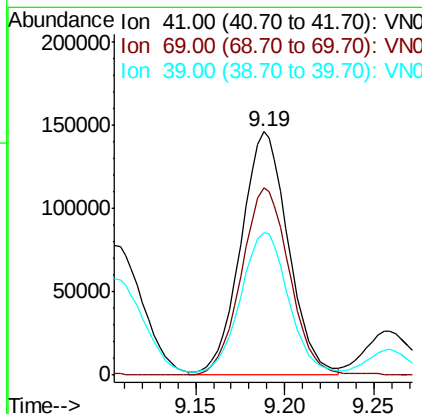
RT: 9.19 min Scan# 2306

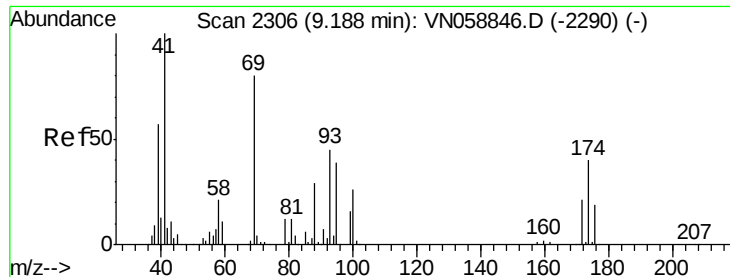
Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Tgt Ion:	41	Resp:	270326
Ion Ratio	Lower	Upper	
41	100		
69	78.5	63.8	95.6
39	59.8	47.8	71.8





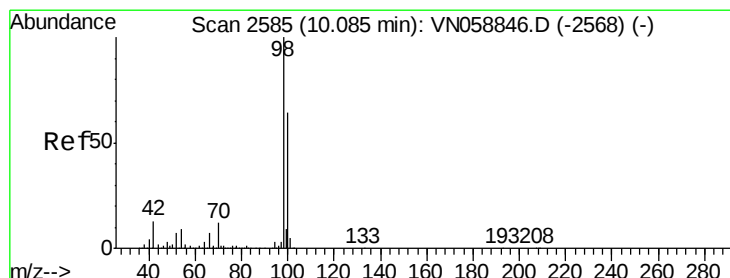
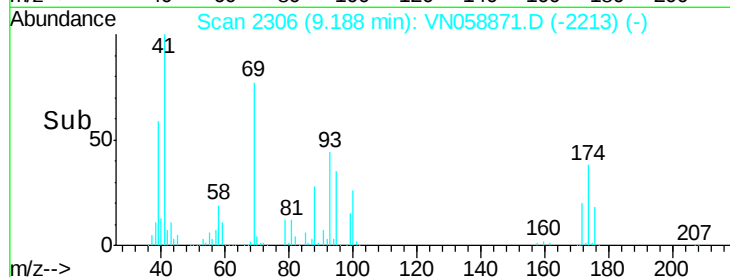
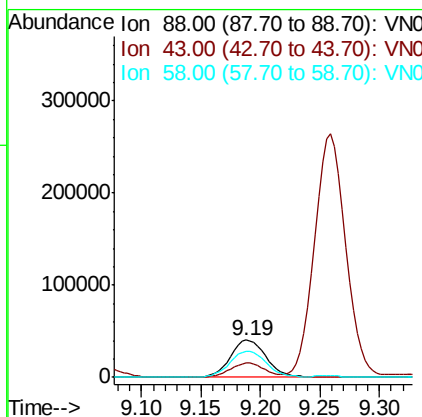
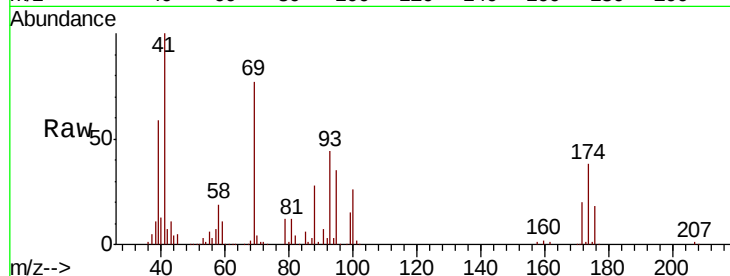
#49
1,4-Dioxane
Concen: 1059.697 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	29.1	43.7
58	71.5	59.4	89.0

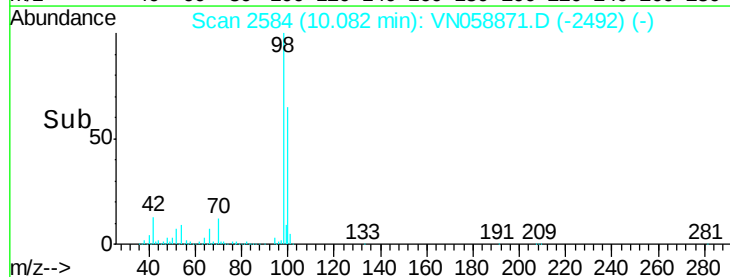
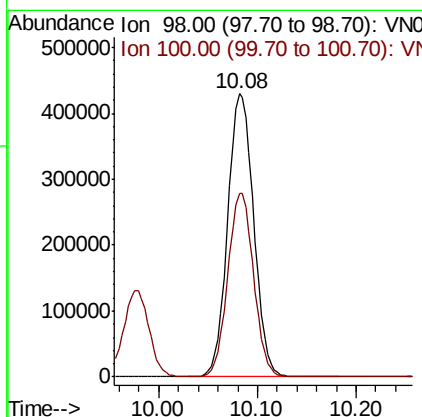
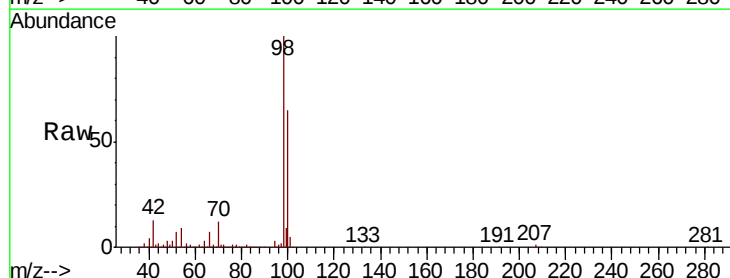
Manual Integrations
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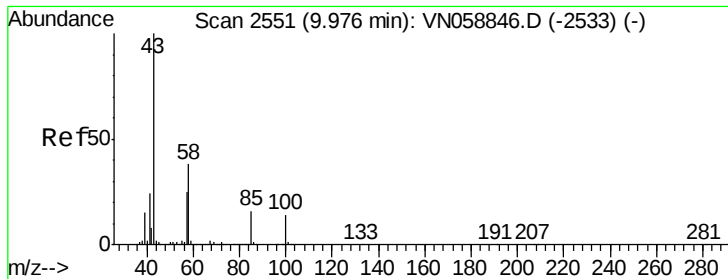
MMDadoda
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#50
Toluene-d8
Concen: 51.353 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 289.250 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1816308

Ion Ratio Lower Upper

43 100

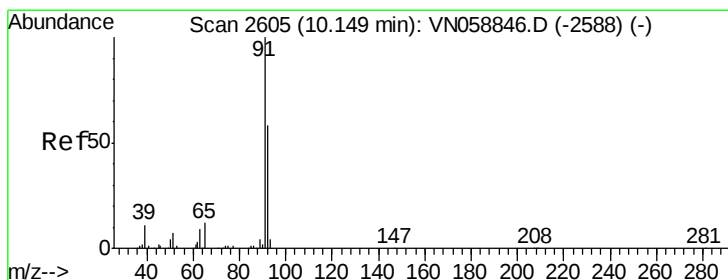
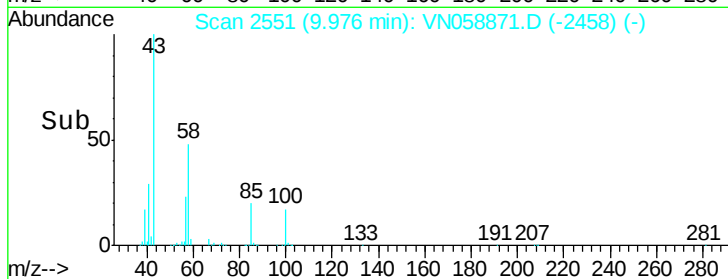
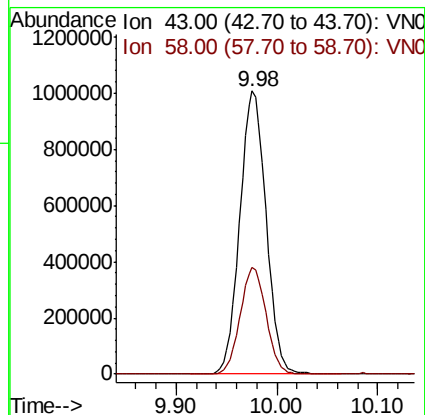
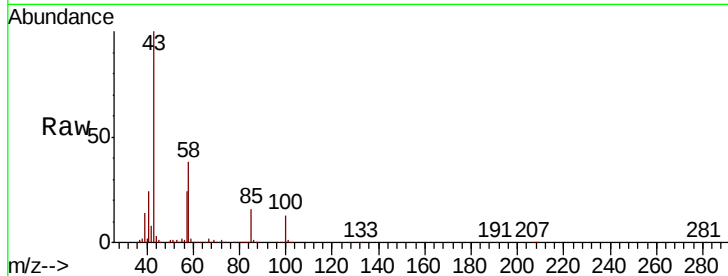
58 37.3 29.9 44.9

Manual Integrations

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10/21/2019 10:42:54 AM



#52

Toluene

Concen: 52.503 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058871.D

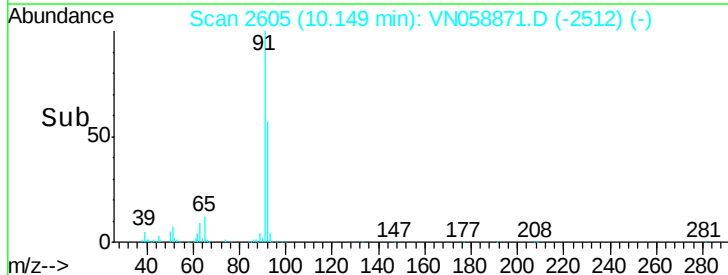
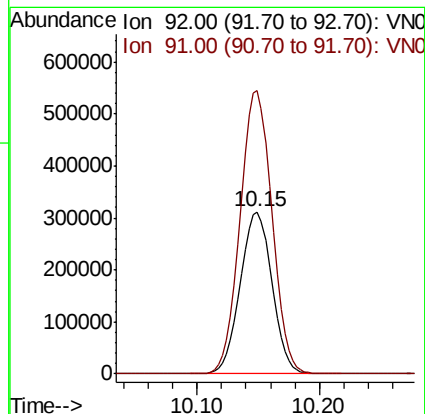
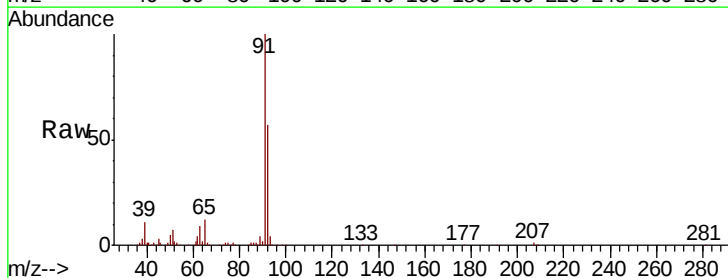
Acq: 18 Oct 2019 20:06

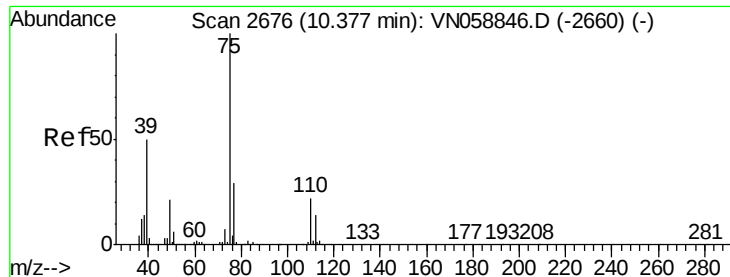
Tgt Ion: 92 Resp: 562457

Ion Ratio Lower Upper

92 100

91 175.2 138.9 208.3





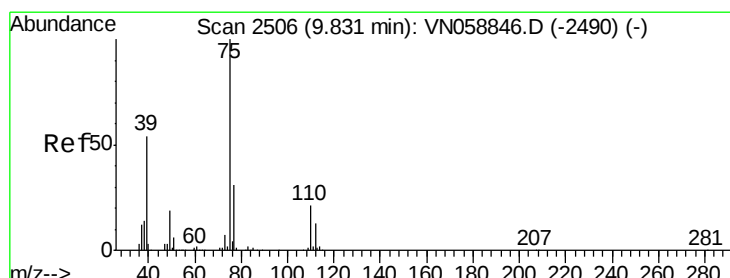
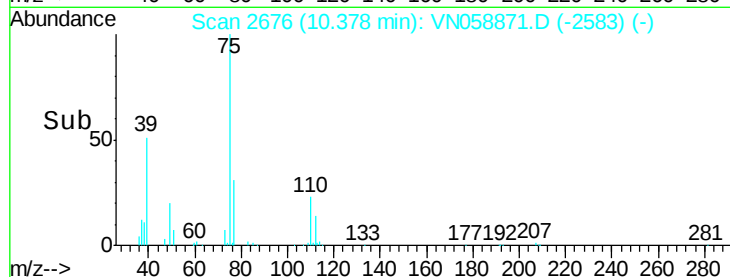
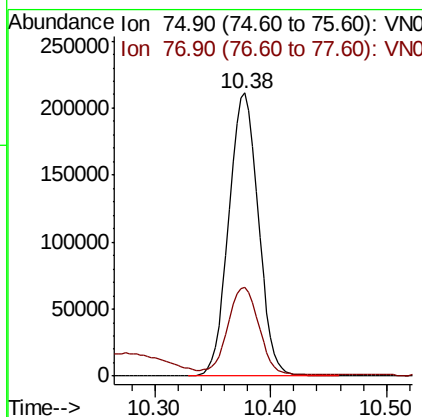
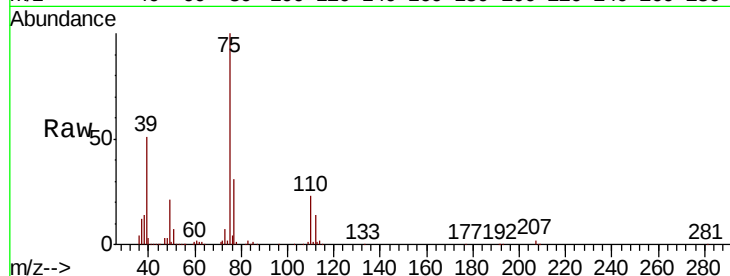
#53
t-1,3-Dichloropropene
Concen: 51.865 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.7	38.5

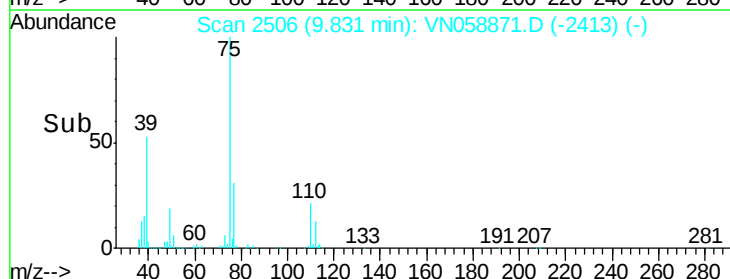
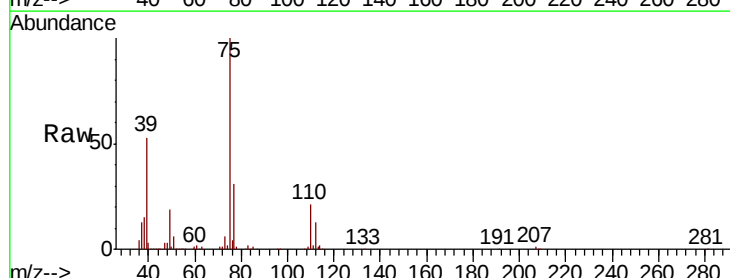
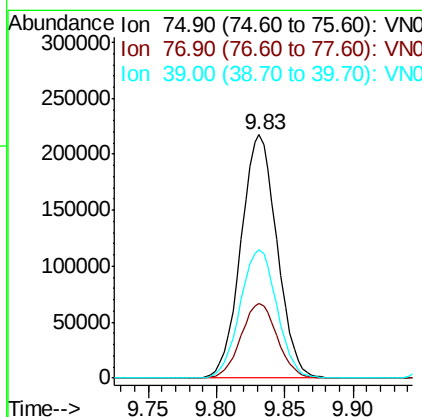
Manual Integrations
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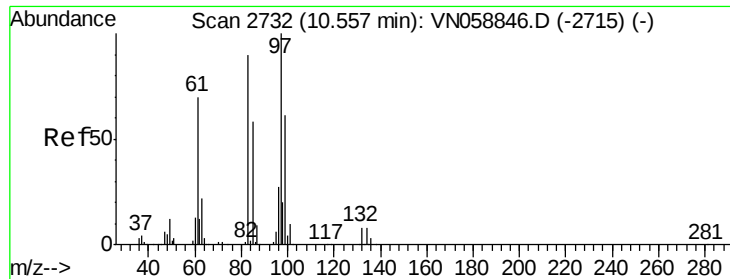
MMDadoda
10/21/2019 10:42:54 AM



#54
cis-1,3-Dichloropropene
Concen: 52.315 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.7	37.1
39	52.6	43.5	65.3





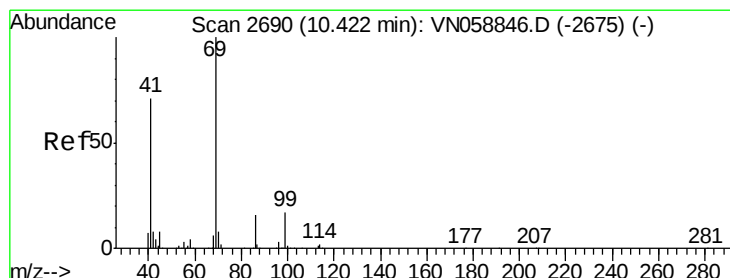
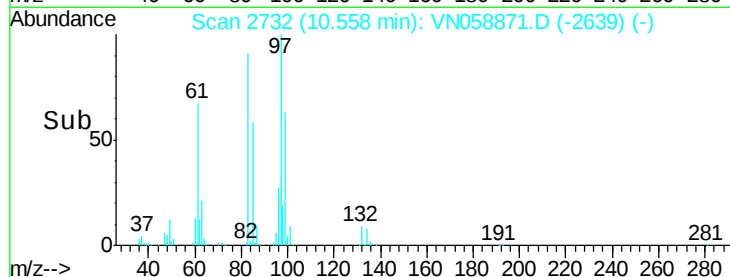
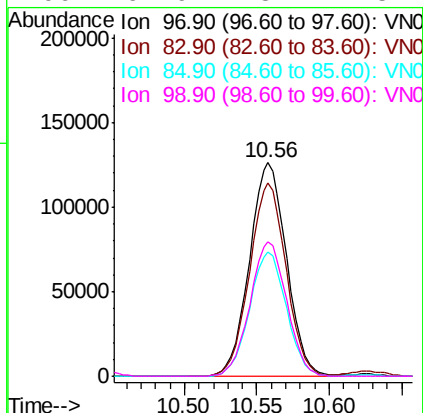
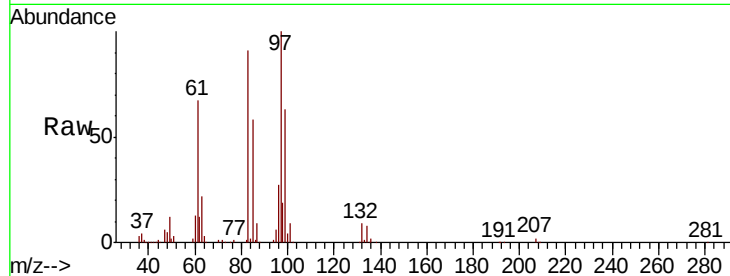
#55
 1,1,2-Trichloroethane
 Concen: 50.831 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		224328		
83	90.6	72.2	108.4		
85	58.4	46.2	69.2		
99	62.9	48.7	73.1		

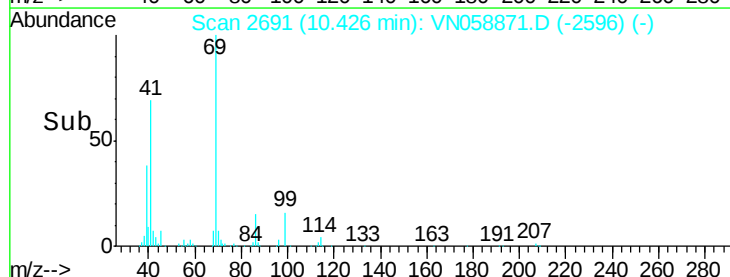
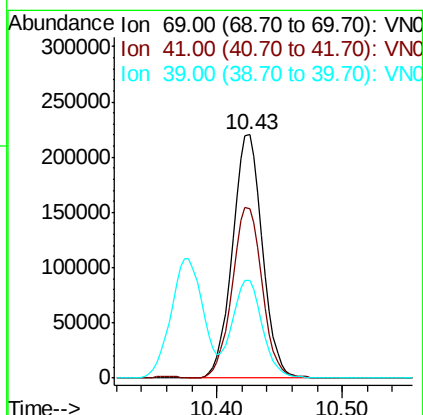
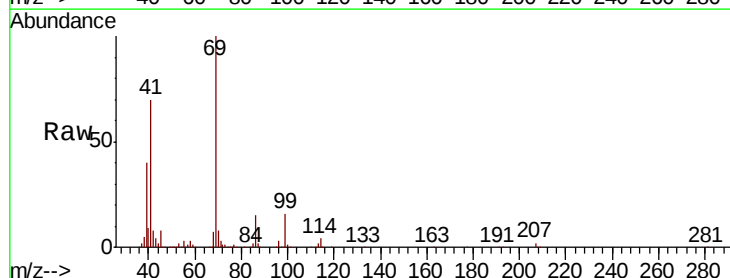
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 49.331 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		365488		
41	69.5	57.2	85.8		
39	40.6	31.0	46.4		





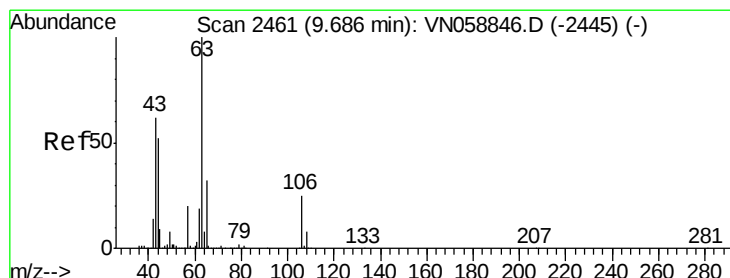
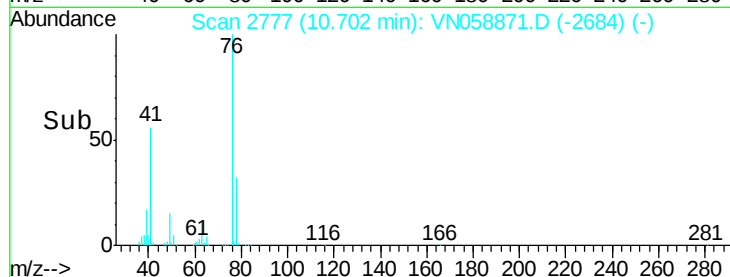
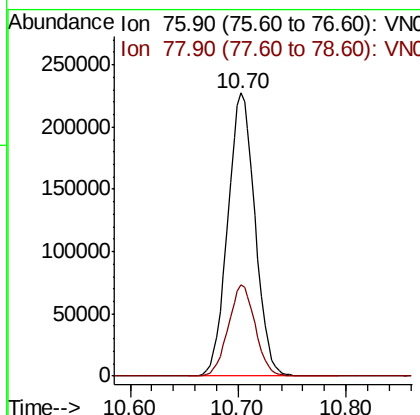
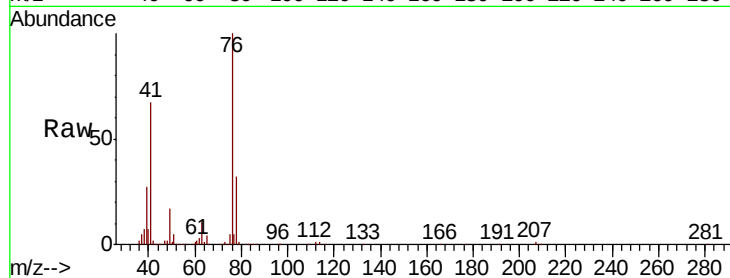
#57
 1,3-Dichloropropane
 Concen: 51.708 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.4	38.0

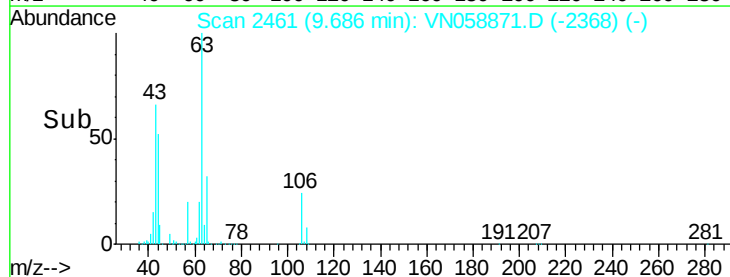
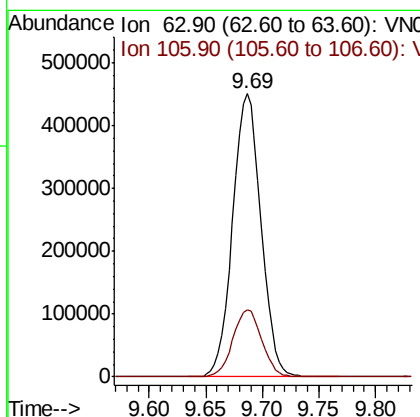
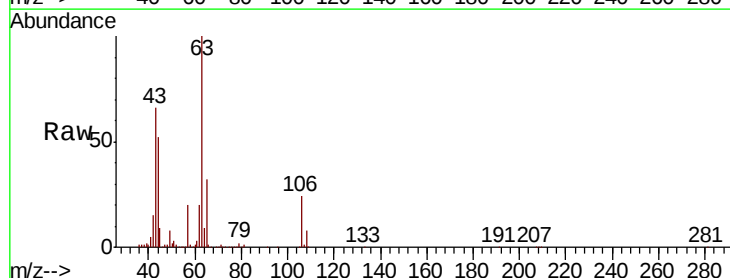
Manual Integrations
 APPROVED

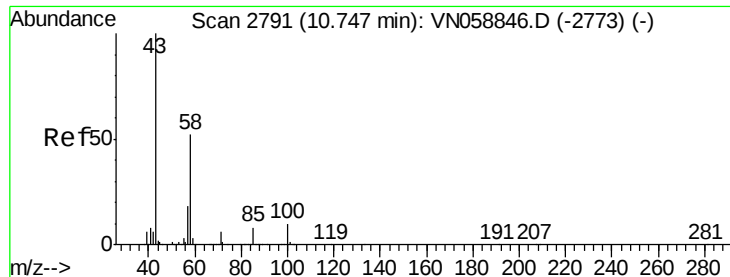
MMDadoda
 10/21/2019 10:42:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.288 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.1	19.8	29.8





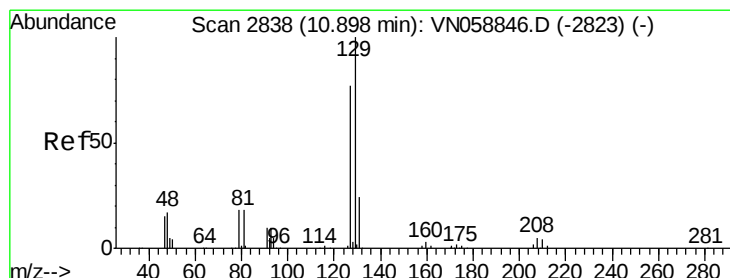
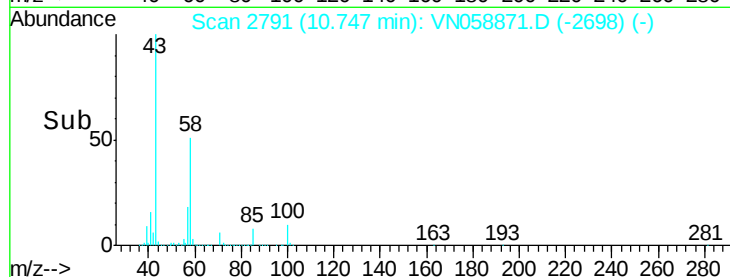
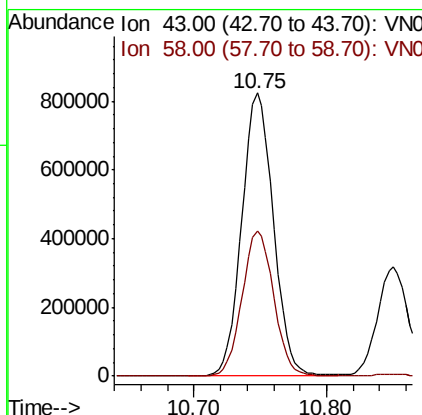
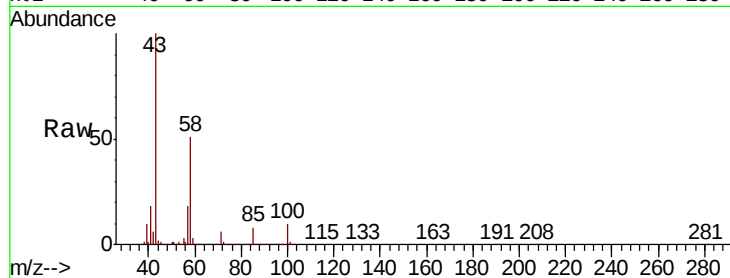
#59
2-Hexanone
Concen: 281.101 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1363978
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7

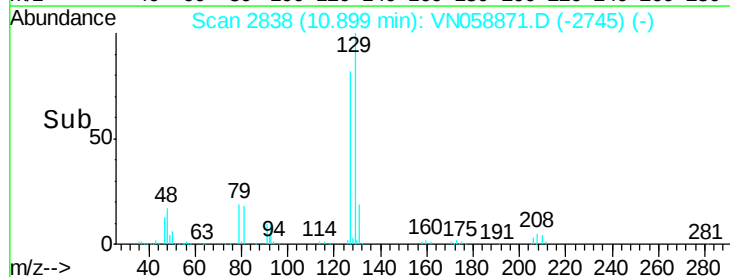
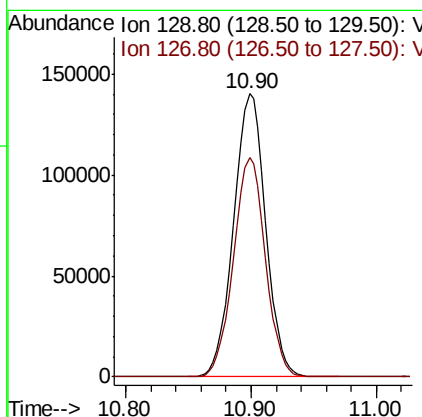
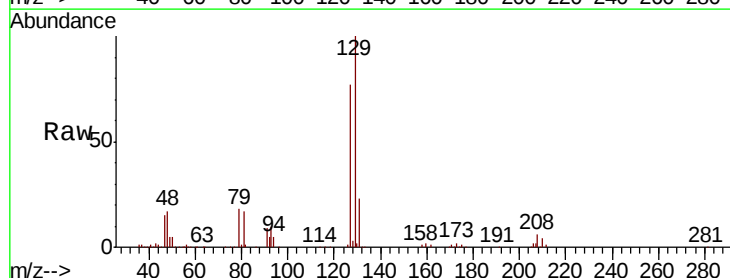
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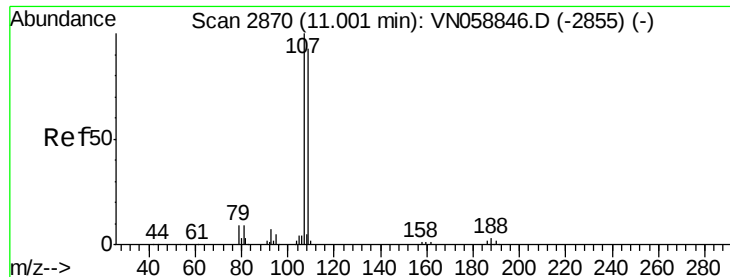
MMDadoda
10/21/2019 10:42:54 AM



#60
Dibromochloromethane
Concen: 52.416 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion: 129 Resp: 248988
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.3





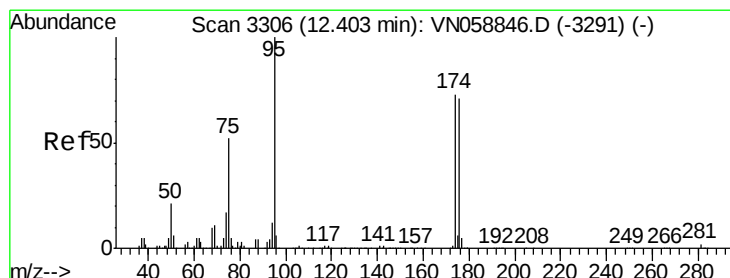
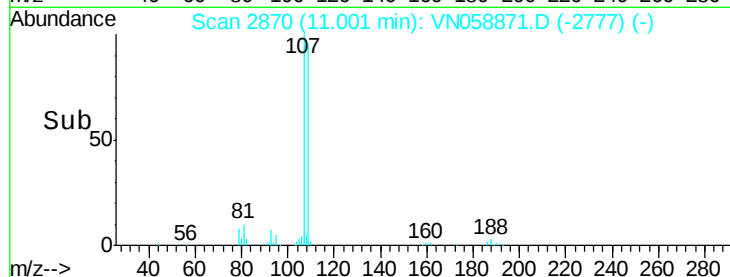
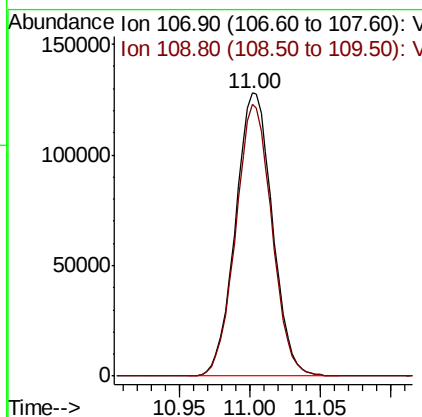
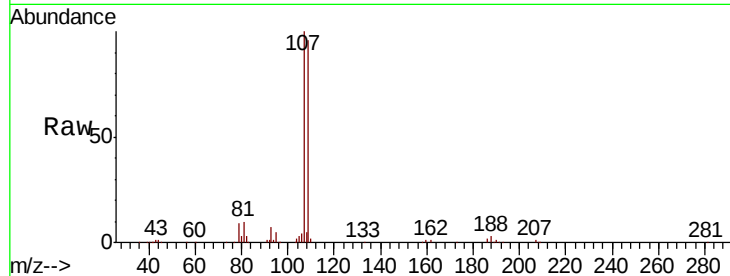
#61
 1,2-Dibromoethane
 Concen: 51.932 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.2	112.8

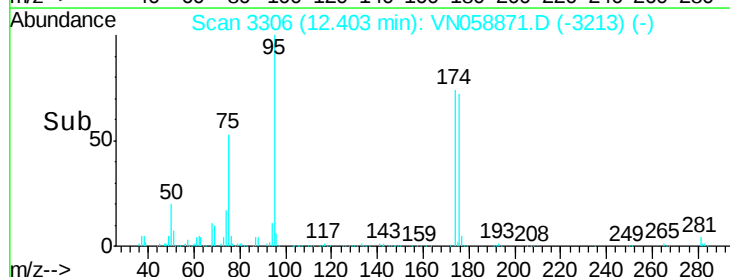
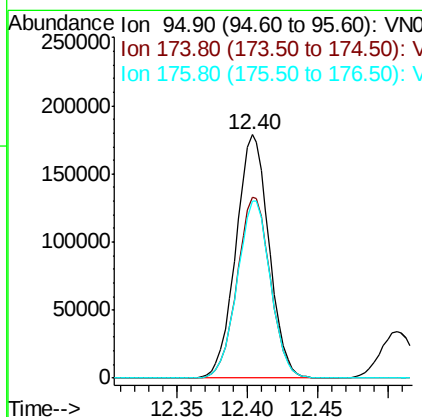
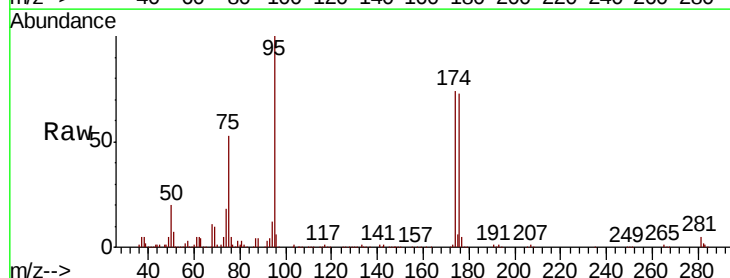
Manual Integrations
 APPROVED

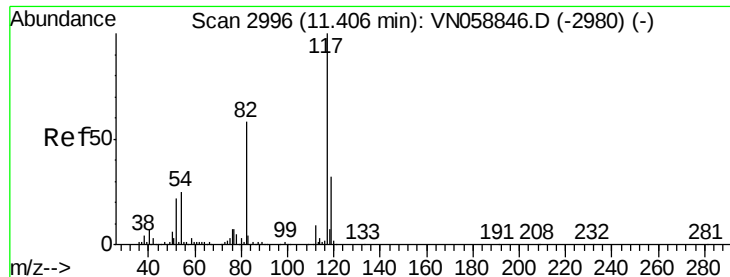
MMDadoda
 10/21/2019 10:42:54 AM



#62
 4-Bromofluorobenzene
 Concen: 52.251 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	147.6
176	73.0	0.0	143.2





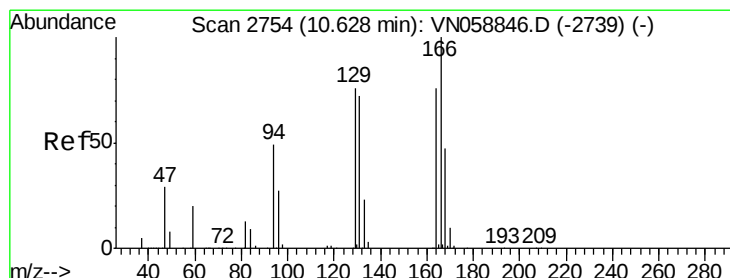
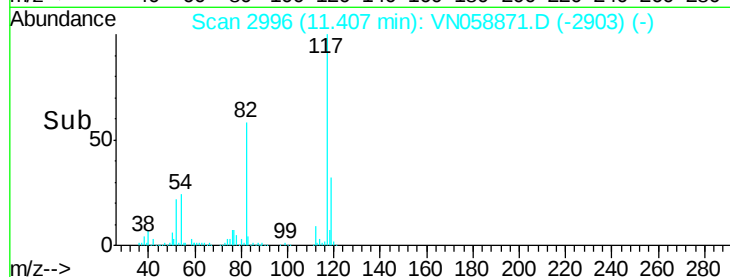
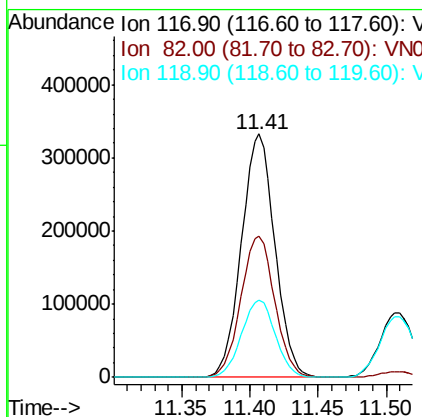
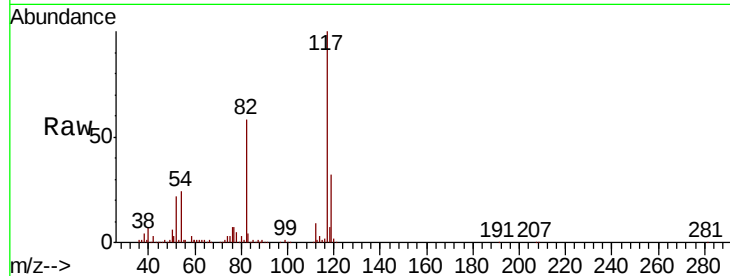
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.6	69.8
119	31.8	25.6	38.4

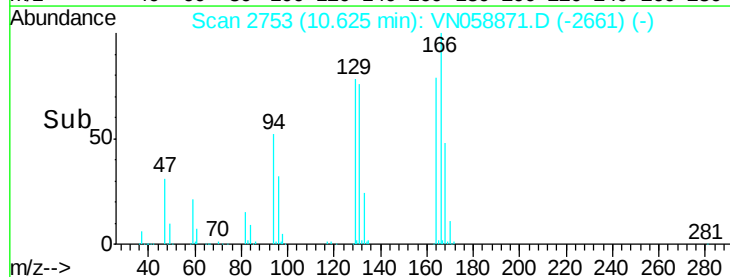
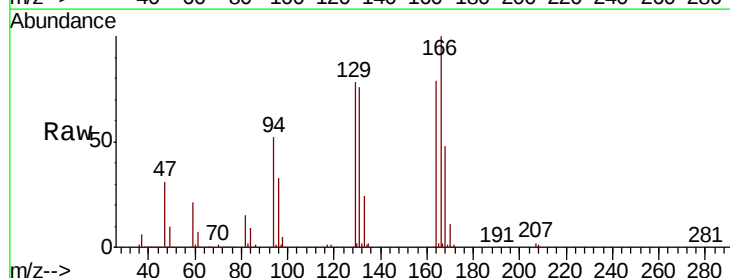
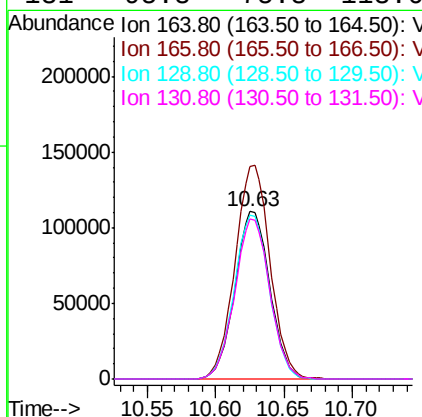
Manual Integrations
APPROVED

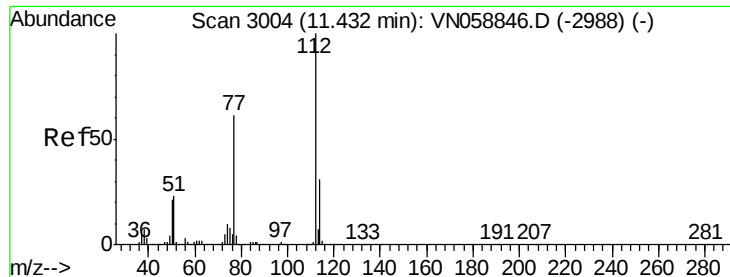
MMDadoda
10/21/2019 10:42:54 AM



#64
Tetrachloroethene
Concen: 49.552 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	104.8	157.2
129	98.2	79.3	118.9
131	95.8	75.8	113.6





#65

Chlorobenzene

Concen: 50.862 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 586518

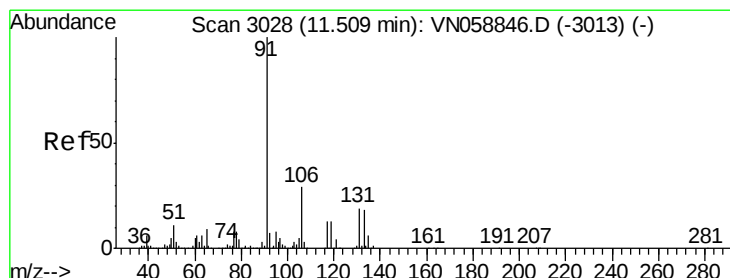
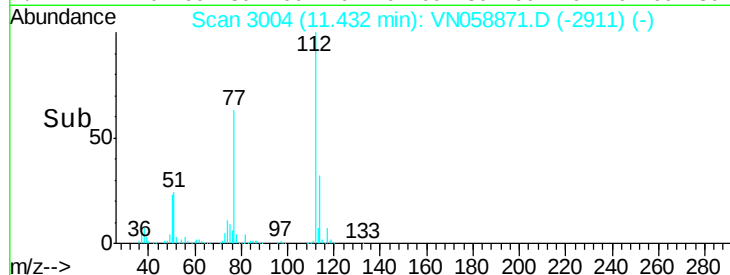
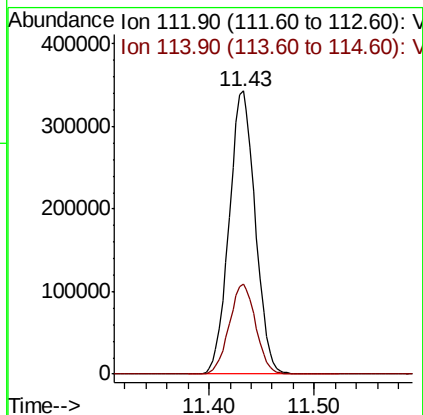
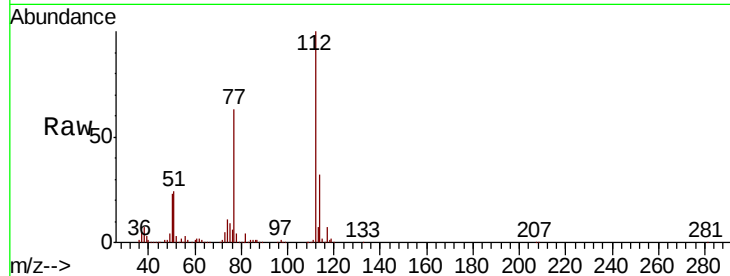
Ion Ratio Lower Upper

112 100

114 32.0 25.1 37.7

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.569 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

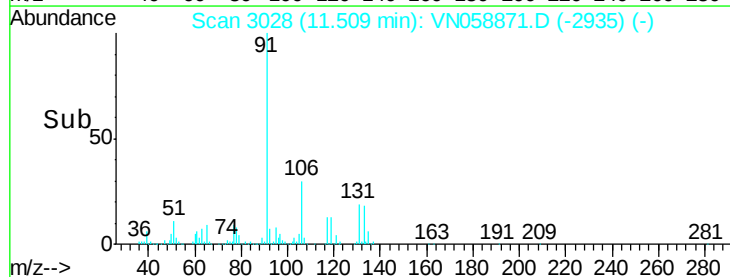
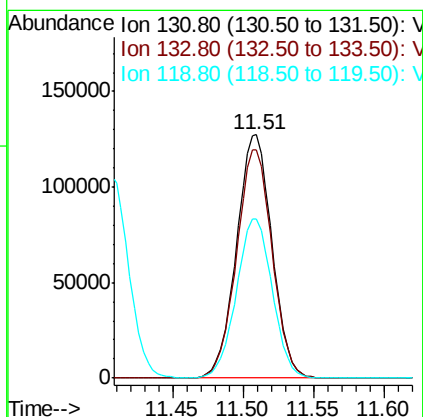
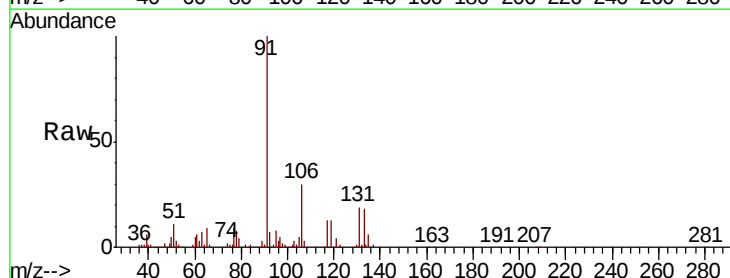
Tgt Ion:131 Resp: 224406

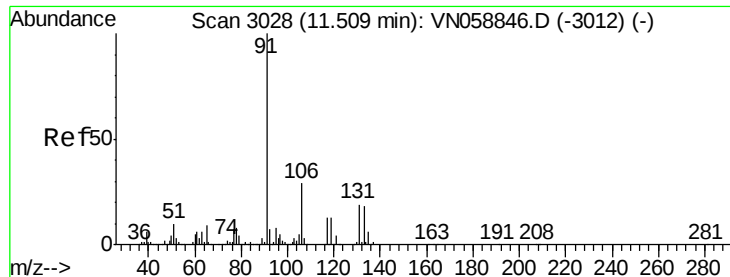
Ion Ratio Lower Upper

131 100

133 94.4 48.4 145.2

119 66.2 33.6 100.8





#67

Ethyl Benzene

Concen: 54.163 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1095662

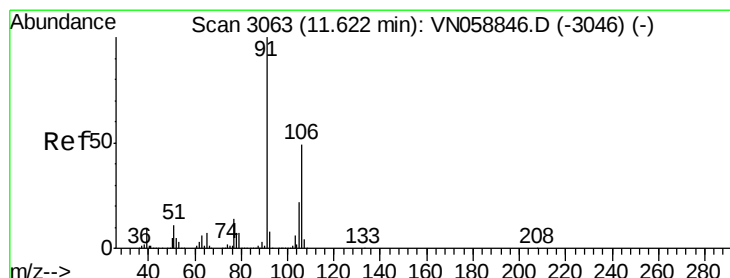
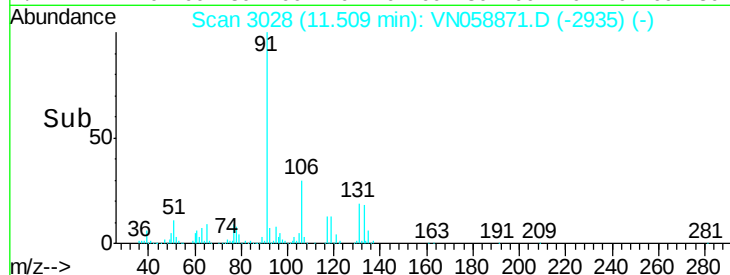
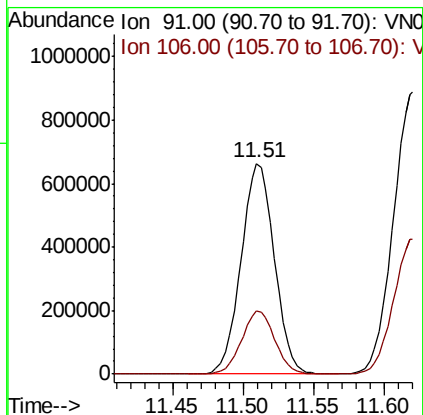
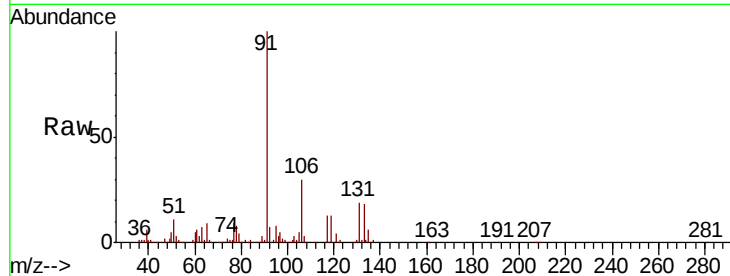
Ion Ratio Lower Upper

91 100

106 29.8 23.4 35.0

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#68

m/p-Xylenes

Concen: 108.880 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058871.D

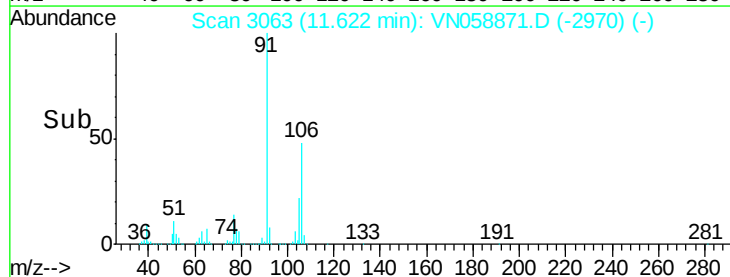
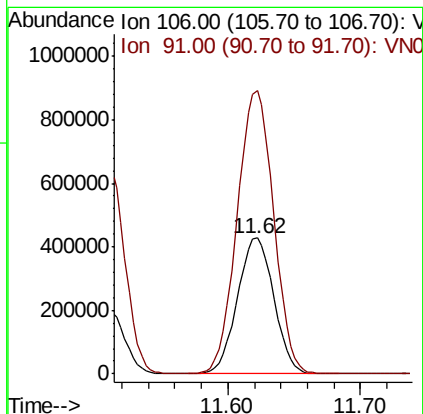
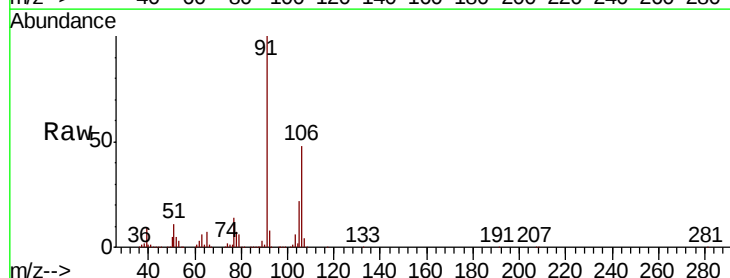
Acq: 18 Oct 2019 20:06

Tgt Ion: 106 Resp: 816806

Ion Ratio Lower Upper

106 100

91 208.8 166.6 249.8





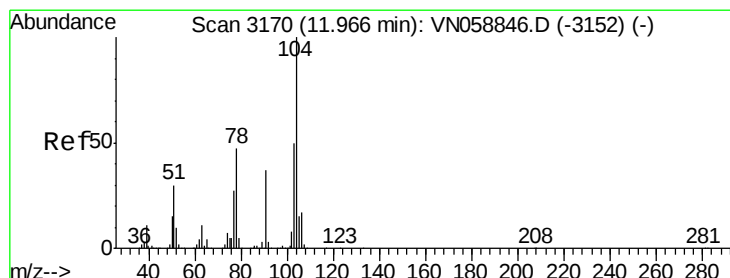
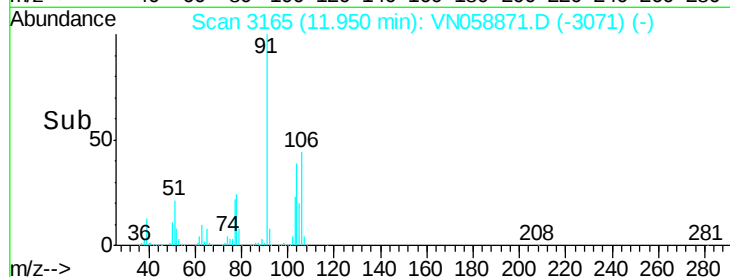
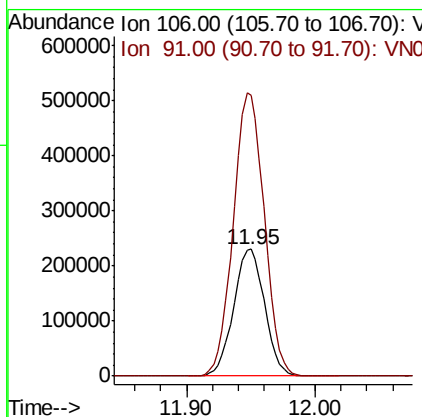
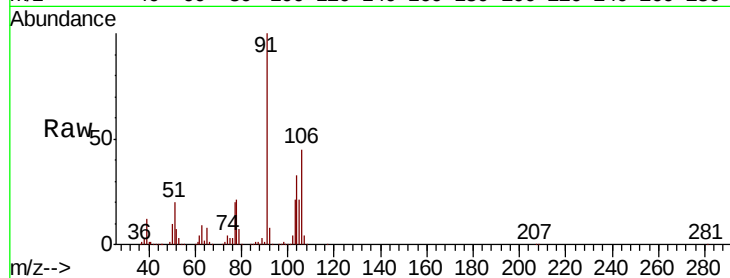
#69
o-Xylene
Concen: 53.782 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.8	111.5	334.4

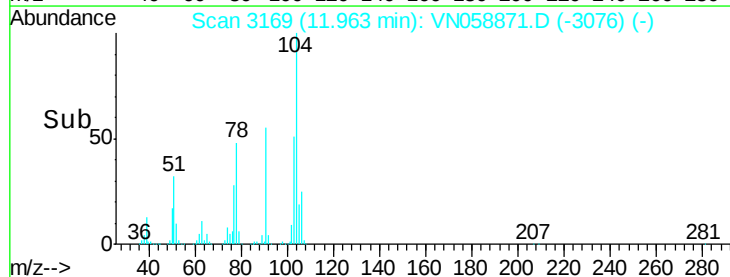
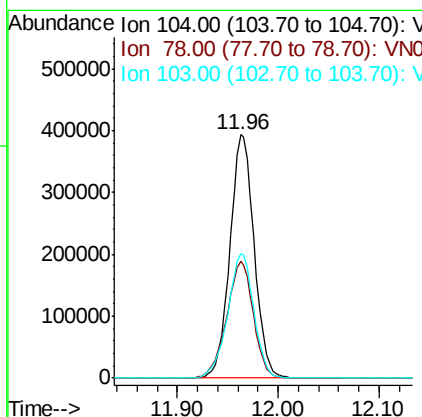
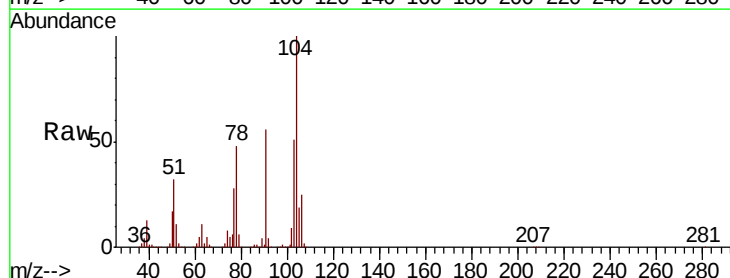
Manual Integrations
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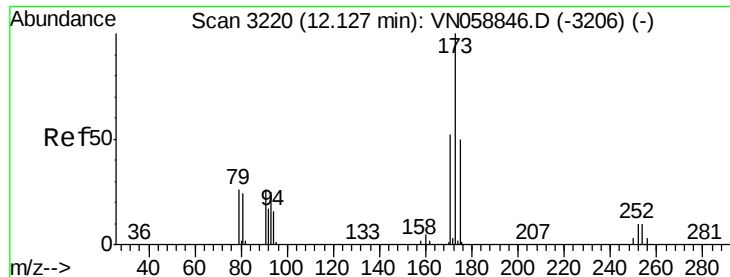
MMDadoda
10/21/2019 10:42:54 AM



#70
Styrene
Concen: 49.971 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.8	64.2
103	55.3	44.3	66.5





#71

Bromoform

Concen: 52.261 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 176348

Ion Ratio Lower Upper

173 100

175 48.0 24.7 74.1

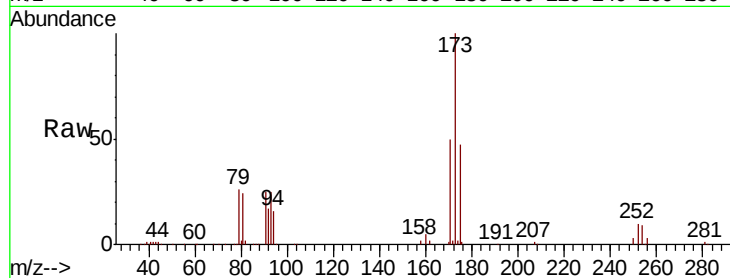
254 0.1 0.0 0.0#

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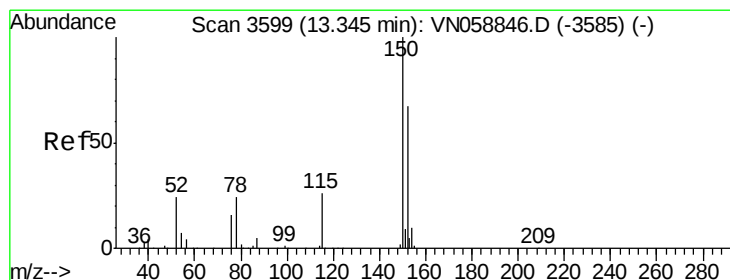
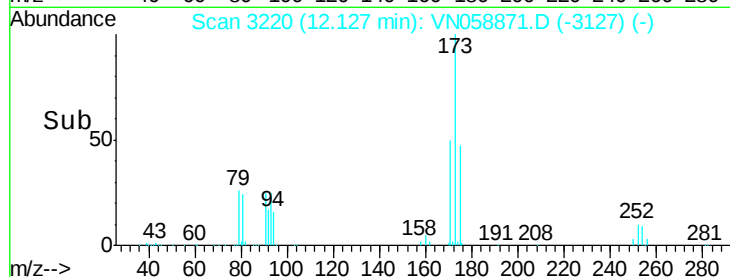
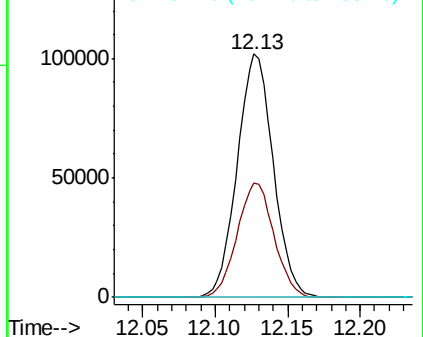
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

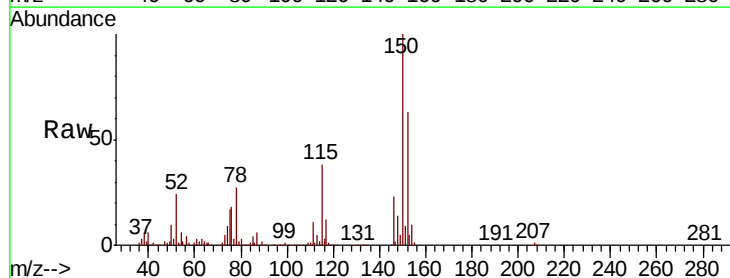
Tgt Ion:152 Resp: 284327

Ion Ratio Lower Upper

152 100

115 60.5 30.5 91.5

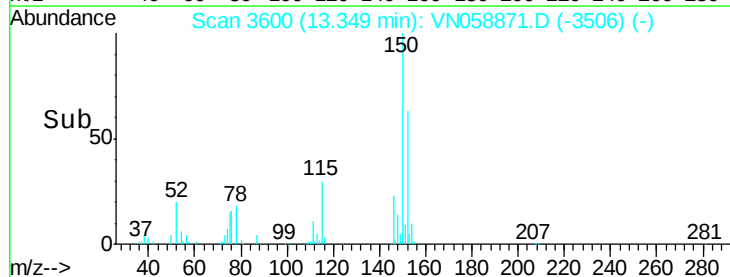
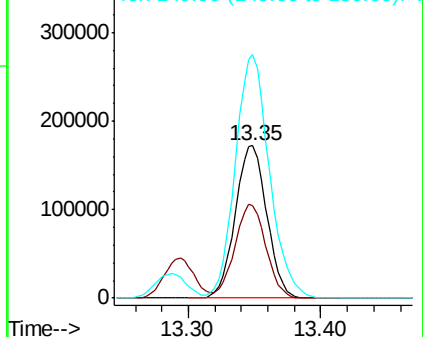
150 172.7 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.835 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1056303

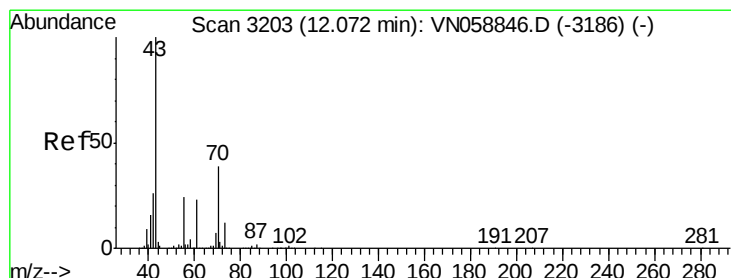
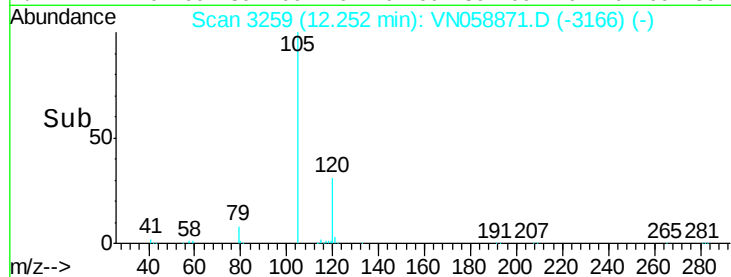
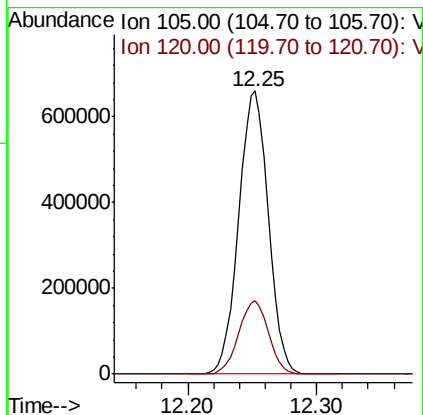
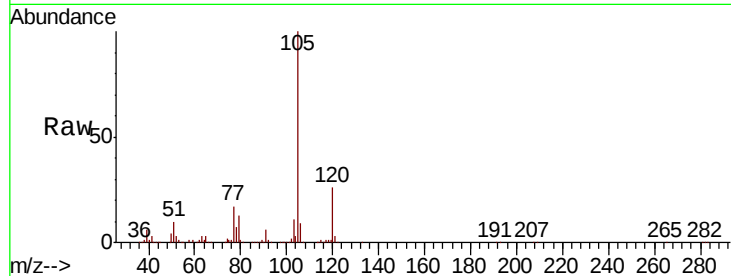
Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4

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#74

N-ethyl acetate

Concen: 54.456 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Tgt Ion: 43 Resp: 512995

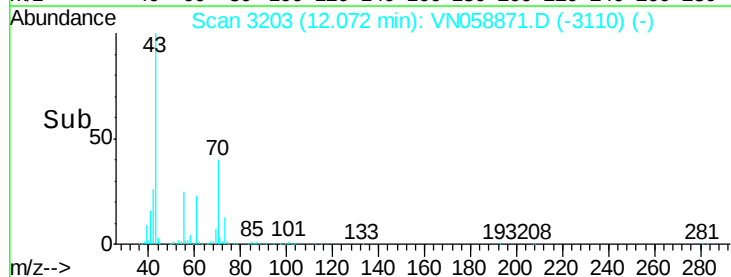
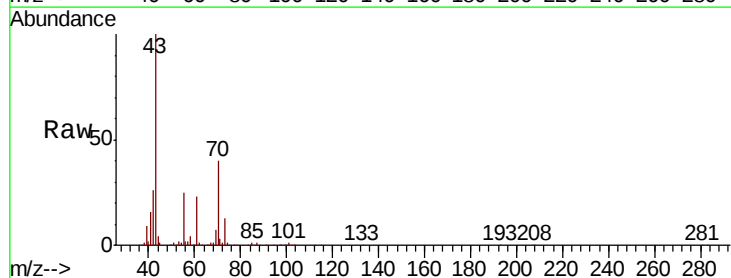
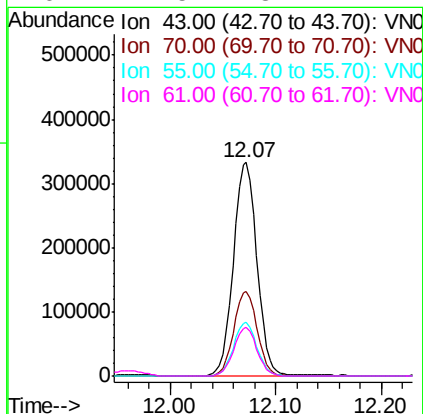
Ion Ratio Lower Upper

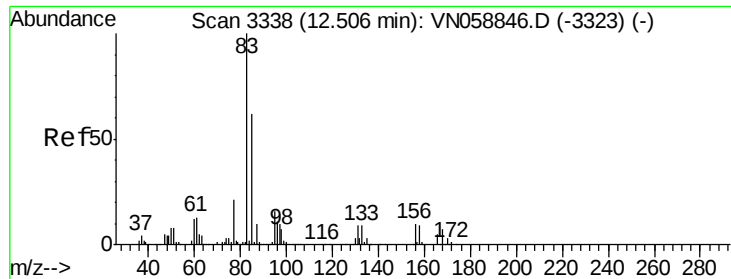
43 100

70 39.5 30.9 46.3

55 25.1 19.7 29.5

61 22.5 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.998 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 357998

Ion Ratio Lower Upper

83 100

131 9.9 4.7 14.1

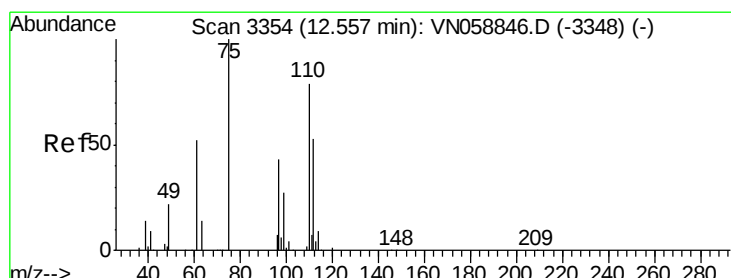
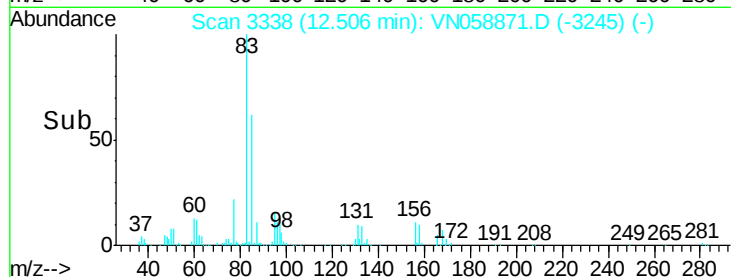
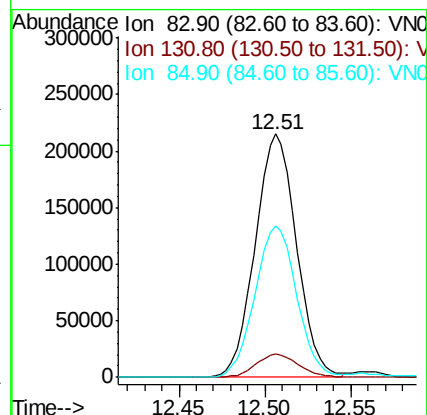
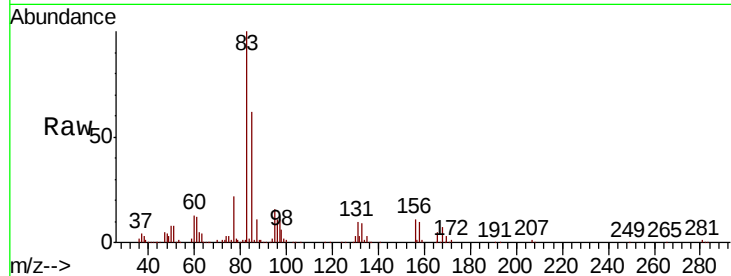
85 62.9 31.7 95.1

Manual Integrations

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#76

1,2,3-Trichloropropane

Concen: 47.026 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058871.D

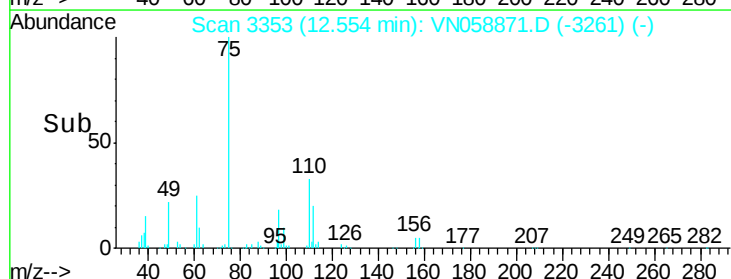
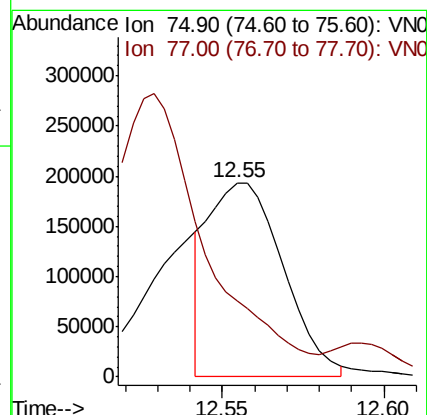
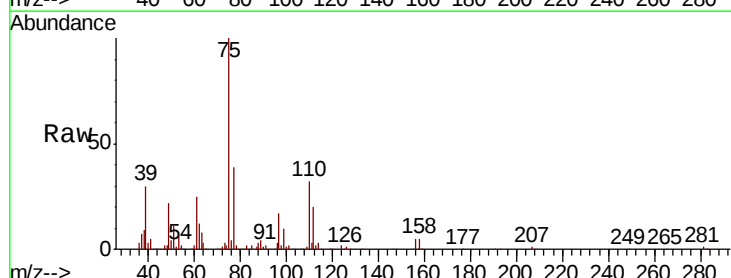
Acq: 18 Oct 2019 20:06

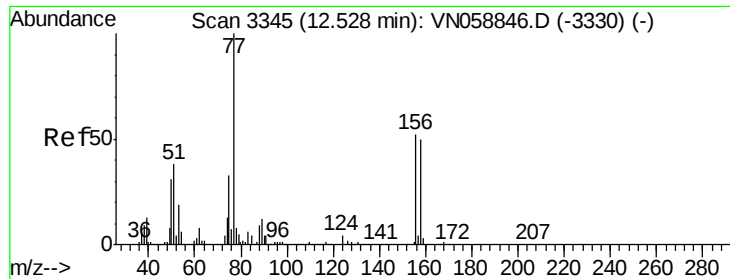
Tgt Ion: 75 Resp: 309885

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.067 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

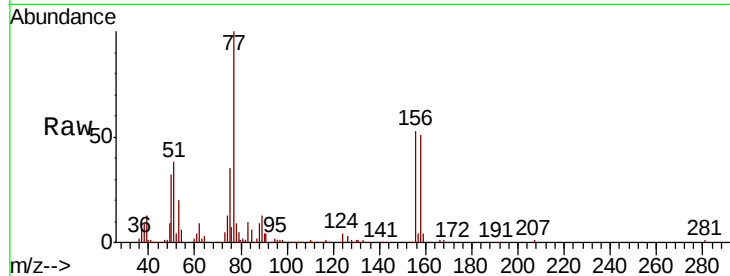
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	234.0	118.0	354.0	
158	97.3	48.3	144.8	

Manual Integrations
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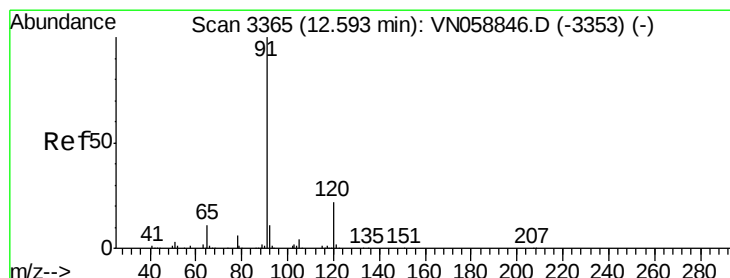
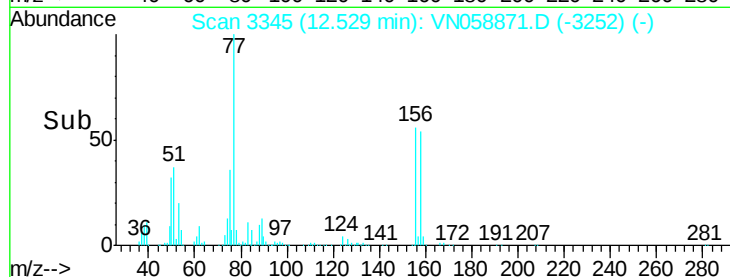
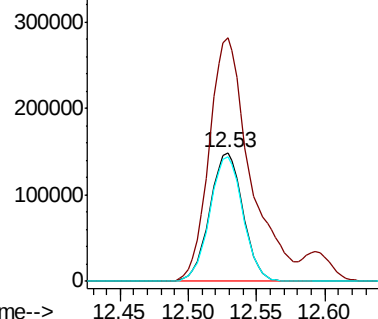
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.866 ug/l

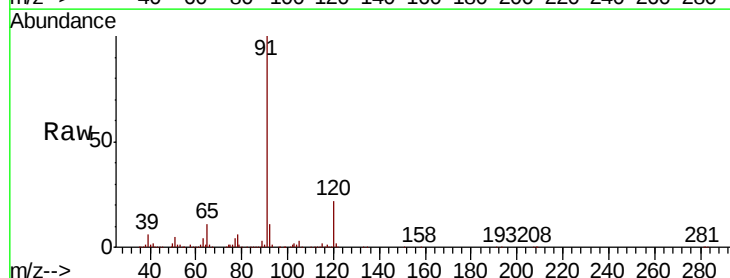
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058871.D

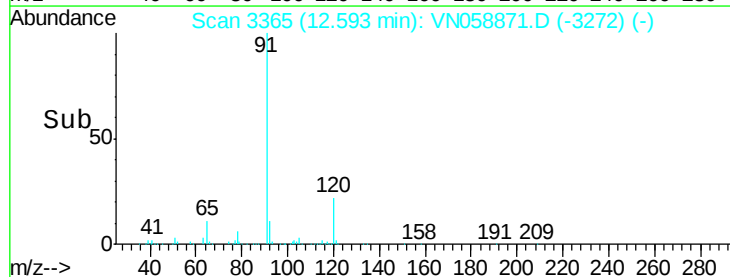
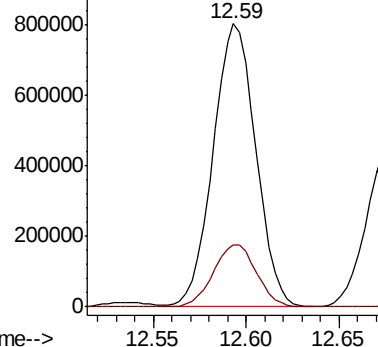
Acq: 18 Oct 2019 20:06

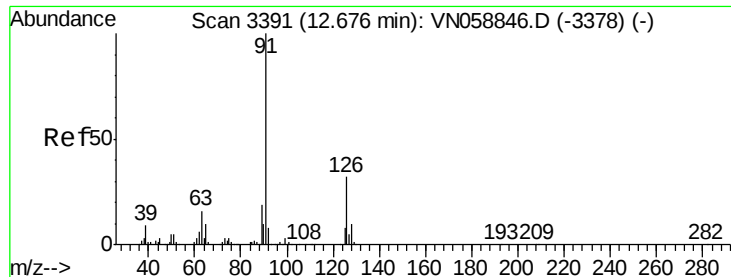
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	11.1	33.1	



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.541 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 744727

Ion Ratio Lower Upper

91 100

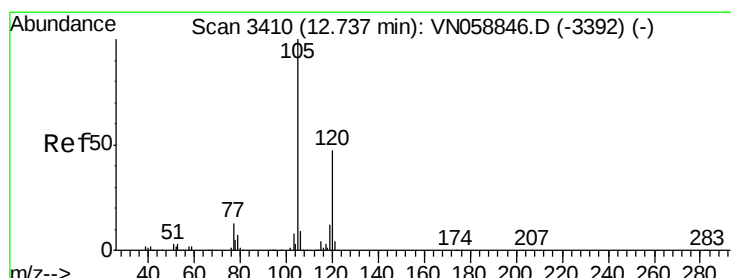
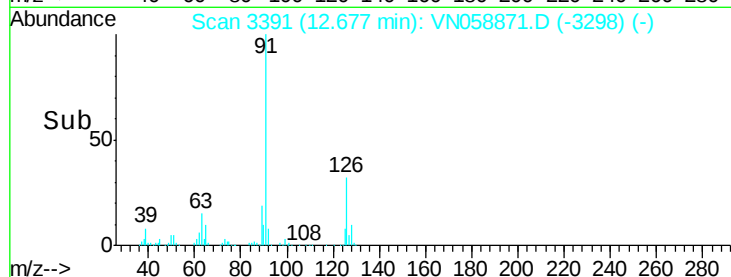
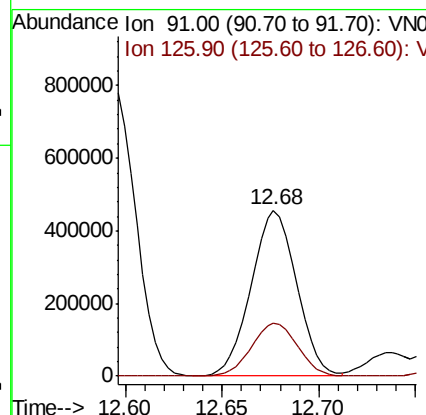
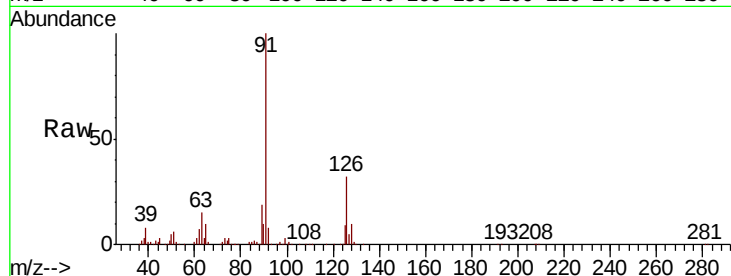
126 32.6 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.278 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058871.D

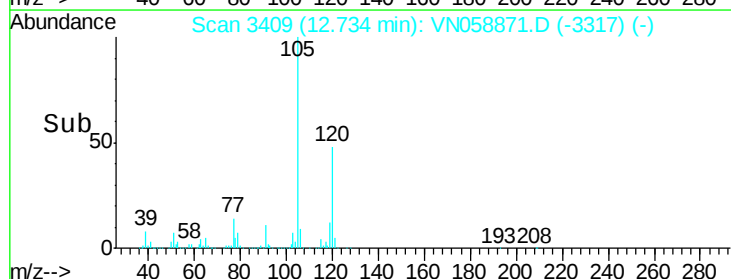
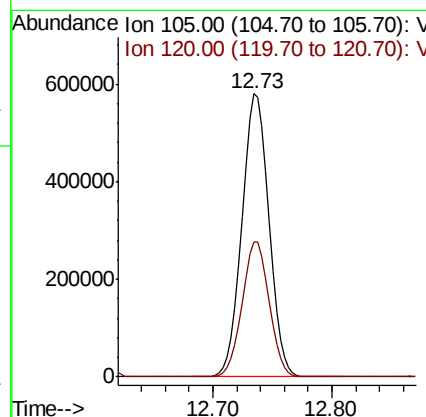
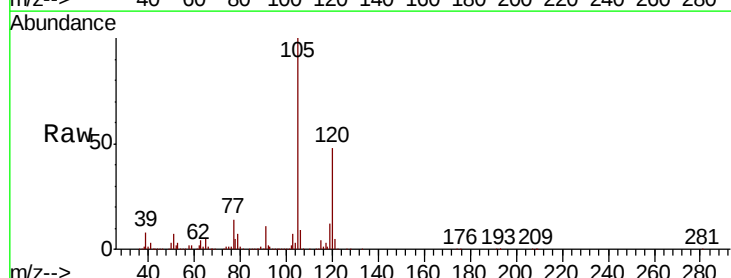
Acq: 18 Oct 2019 20:06

Tgt Ion: 105 Resp: 912686

Ion Ratio Lower Upper

105 100

120 47.7 23.8 71.5





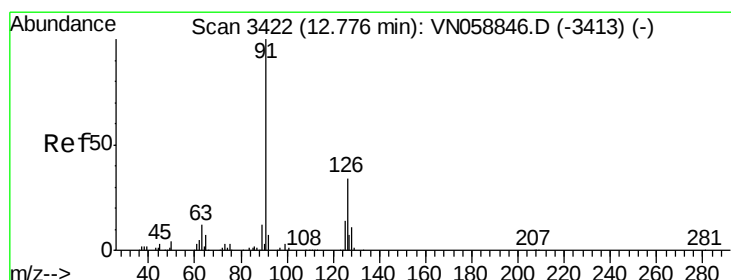
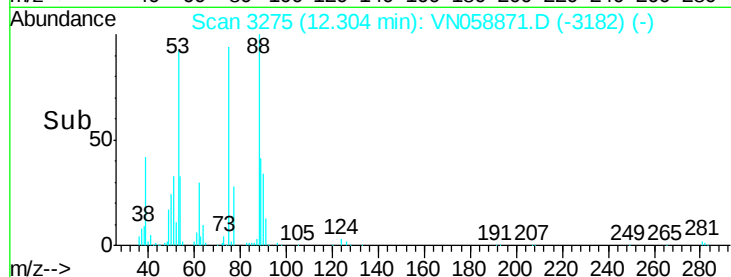
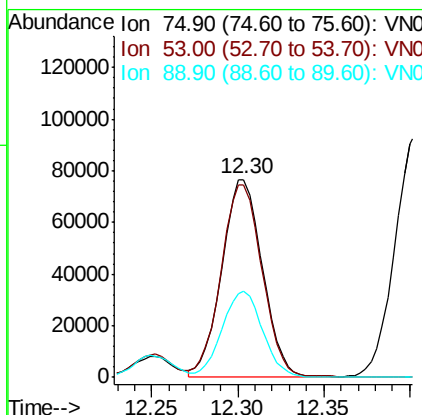
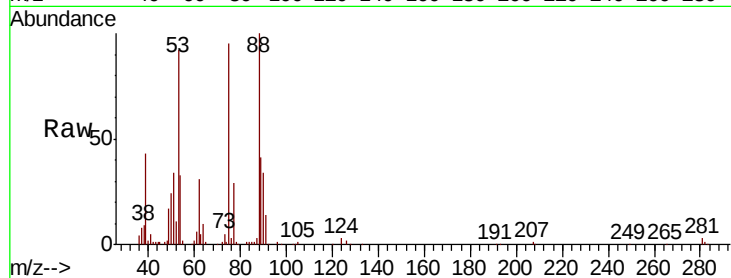
#81
trans-1,4-Dichloro-2-butene
Concen: 49.934 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.6	118.0
89	43.1	35.4	53.0

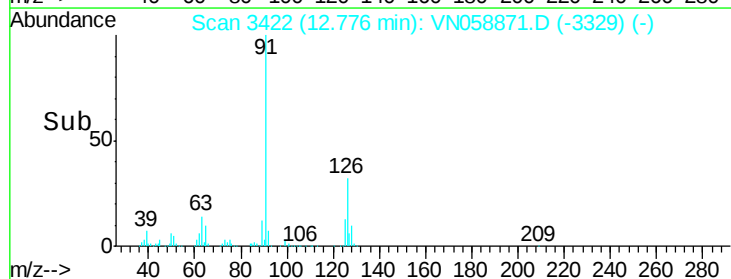
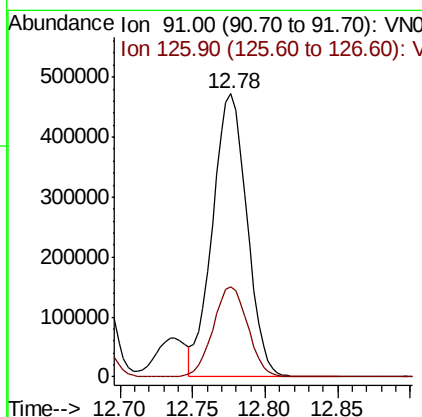
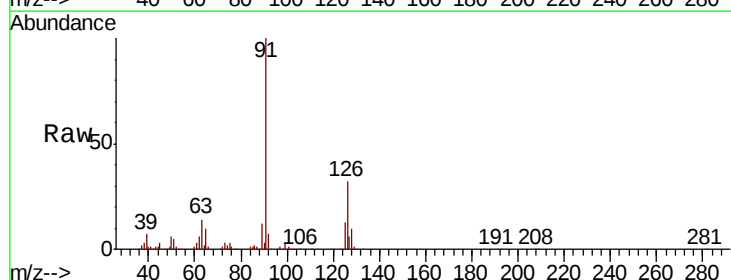
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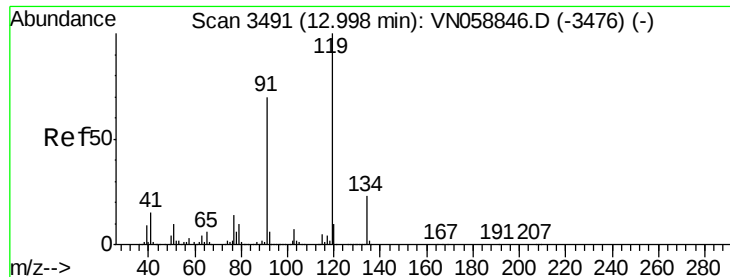
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.701 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	47.9





#83

tert-Butylbenzene

Concen: 51.383 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 767095

Ion Ratio Lower Upper

119 100

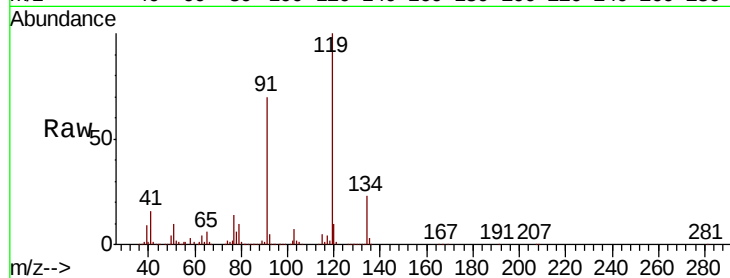
91 68.5 34.1 102.3

134 24.9 11.6 34.8

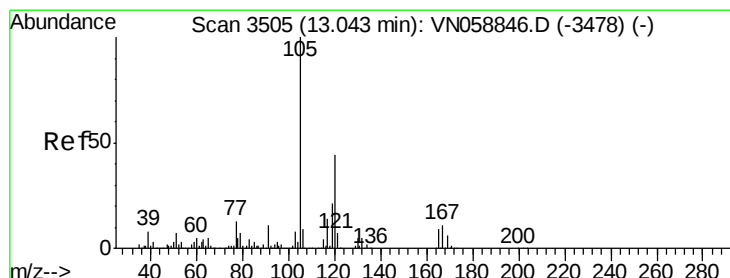
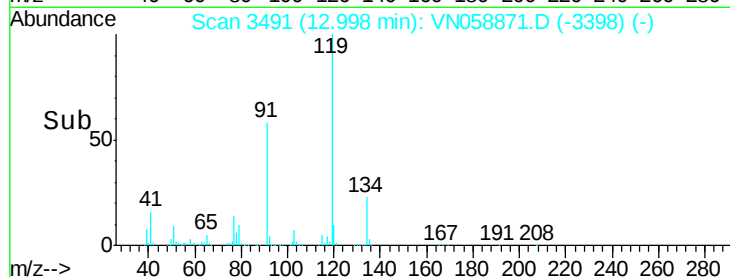
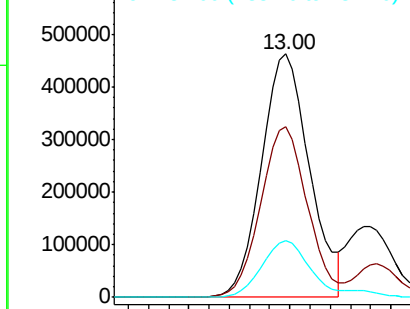
Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.315 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058871.D

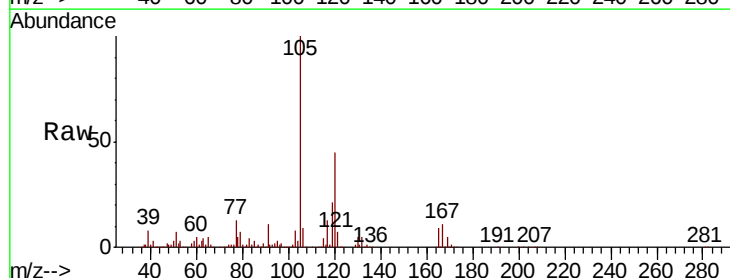
Acq: 18 Oct 2019 20:06

Tgt Ion:105 Resp: 918065

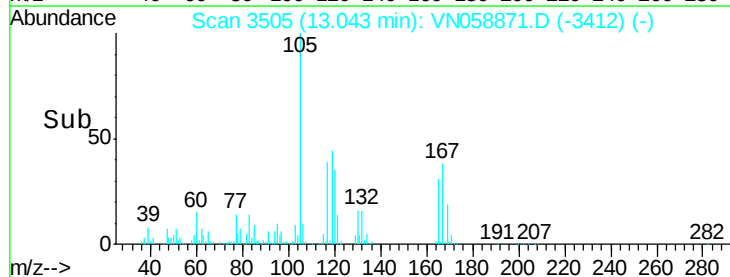
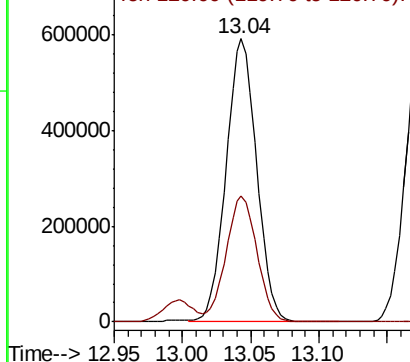
Ion Ratio Lower Upper

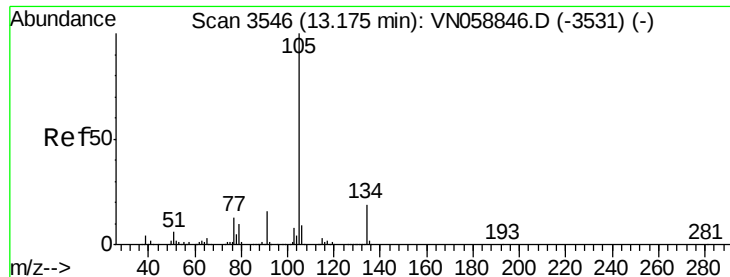
105 100

120 45.3 21.9 65.8



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





#85

sec-Butylbenzene

Concen: 52.412 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1043213

Ion Ratio Lower Upper

105 100

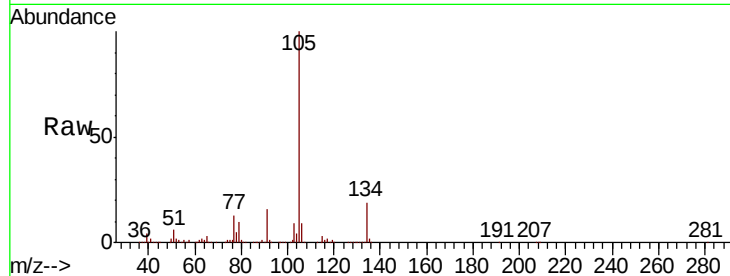
134 19.0 9.4 28.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

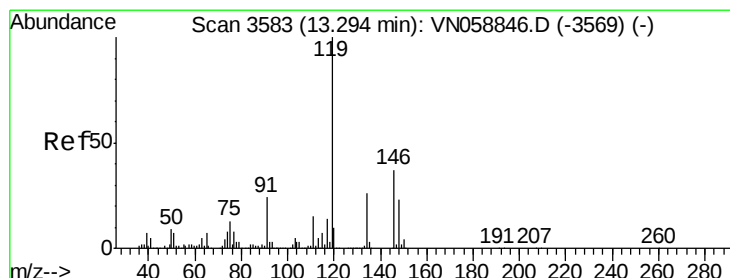
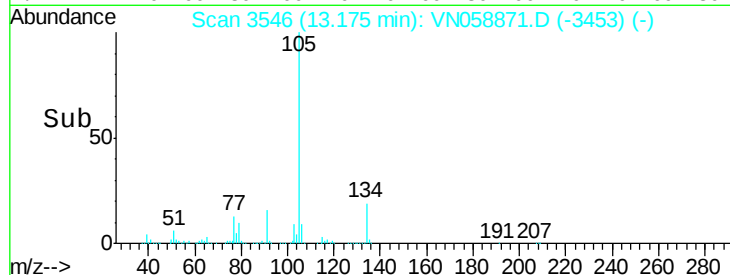
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.757 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

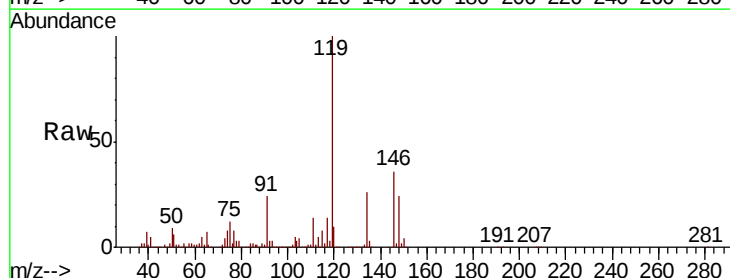
Tgt Ion:119 Resp: 944107

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.5 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

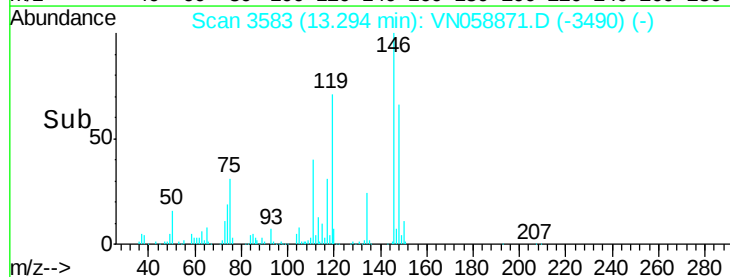
600000

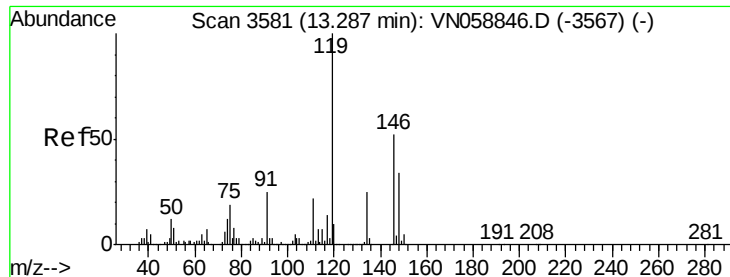
400000

200000

0

Time-->





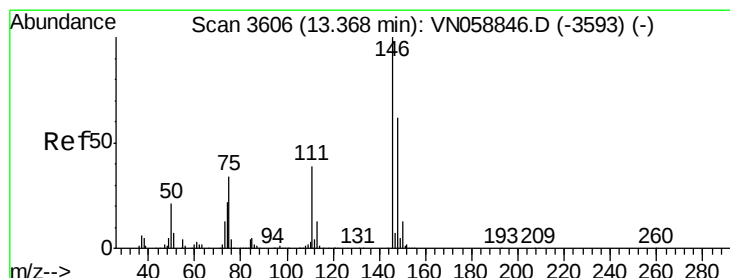
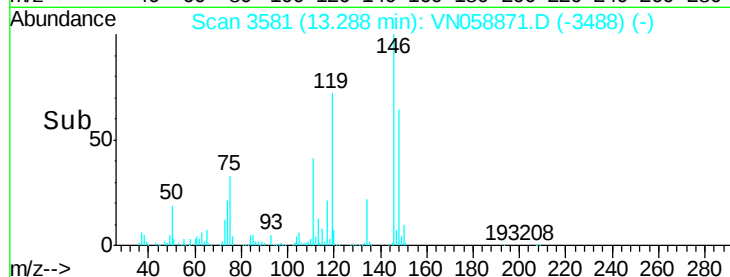
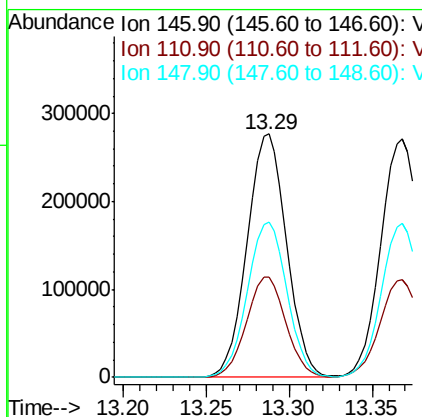
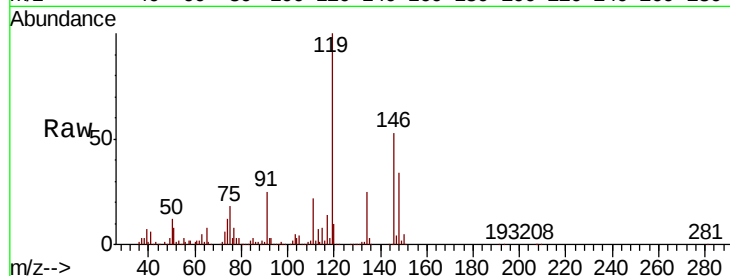
#87
 1,3-Dichlorobenzene
 Concen: 50.129 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.0	63.0
148	64.1	32.1	96.3

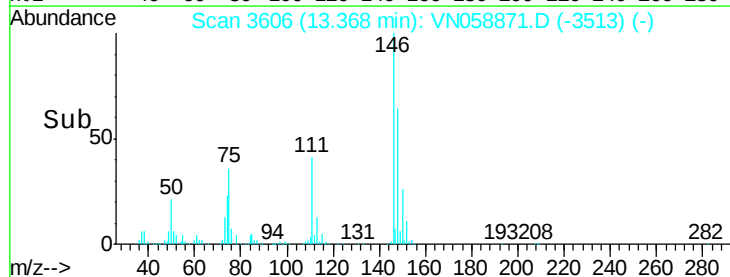
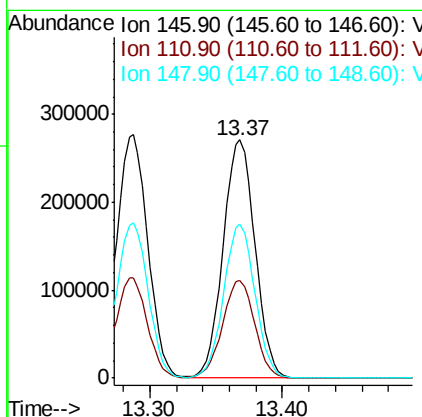
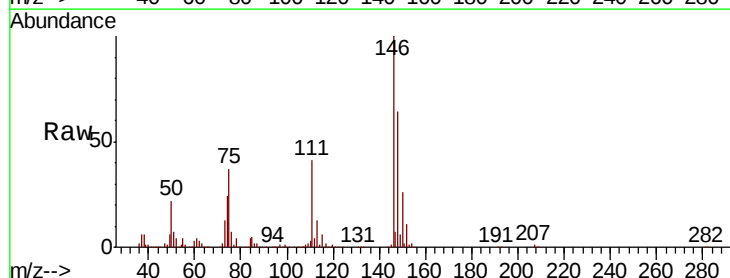
Manual Integrations
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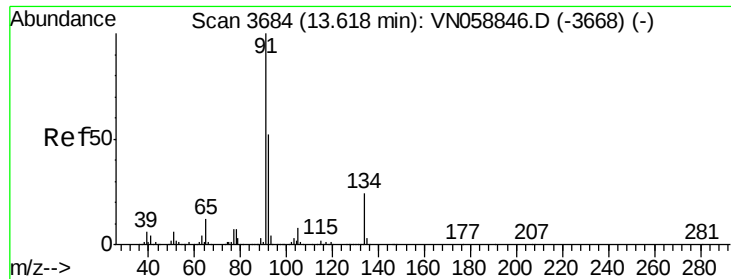
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 10/21/2019 10:42:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.421 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.2	60.6
148	63.3	31.6	94.7





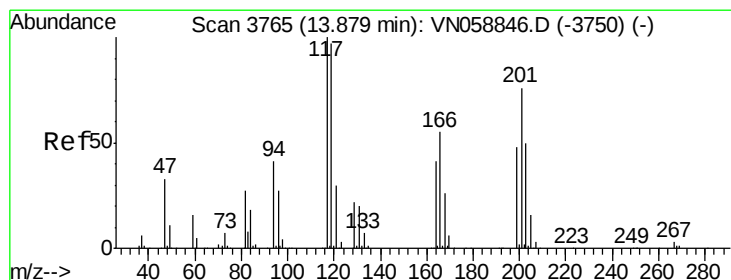
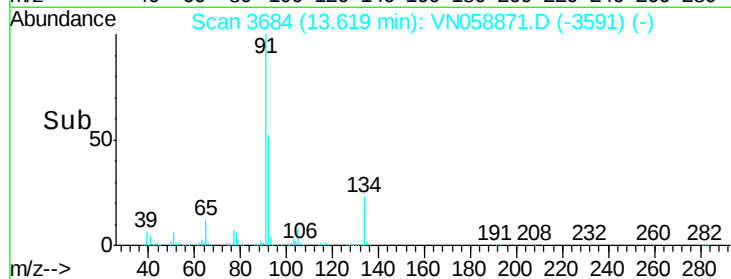
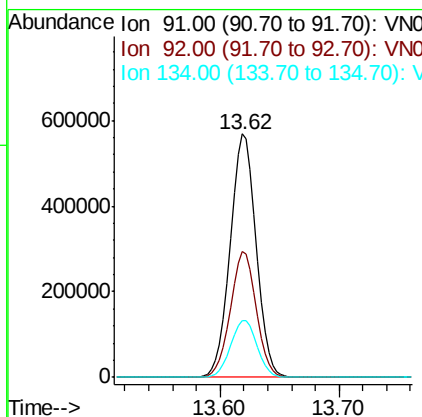
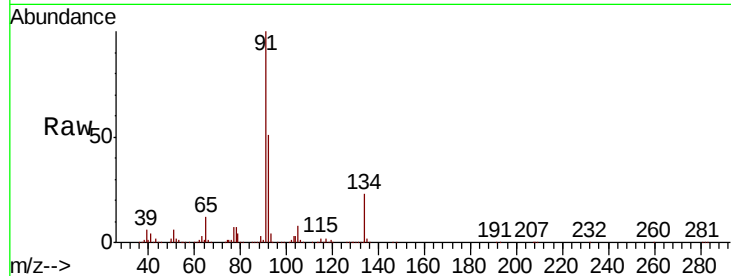
#89
n-Butylbenzene
Concen: 53.045 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.1
134	23.9	11.9	35.5

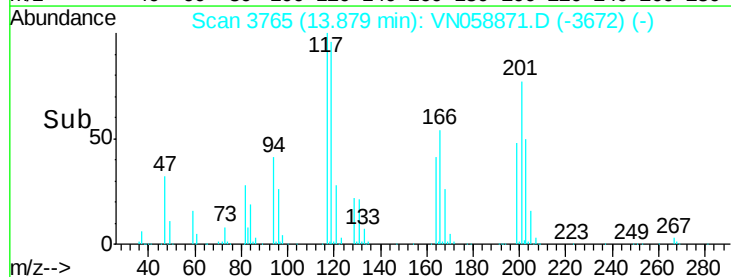
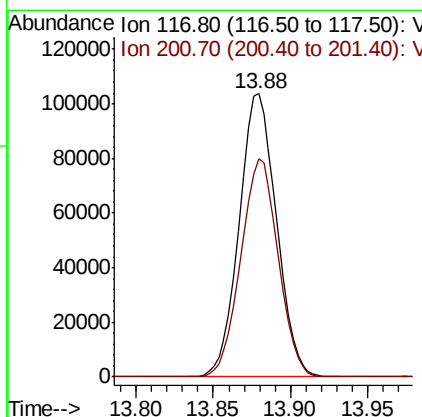
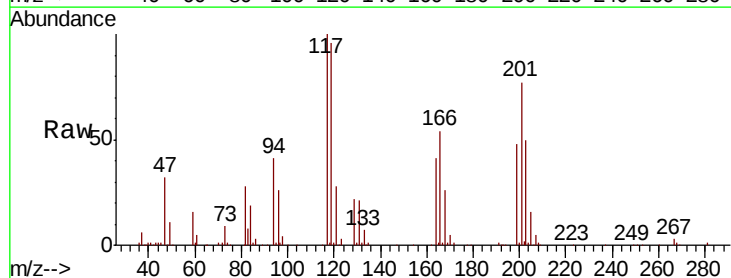
Manual Integrations
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#90
Hexachloroethane
Concen: 48.834 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	38.9	116.6





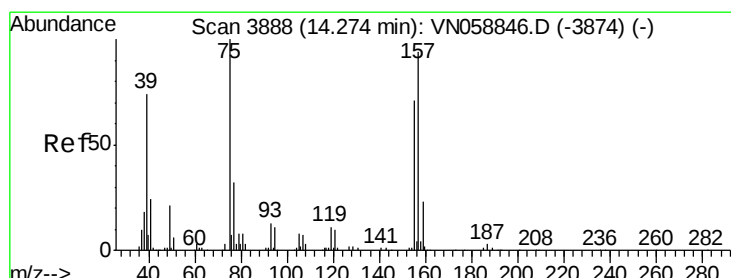
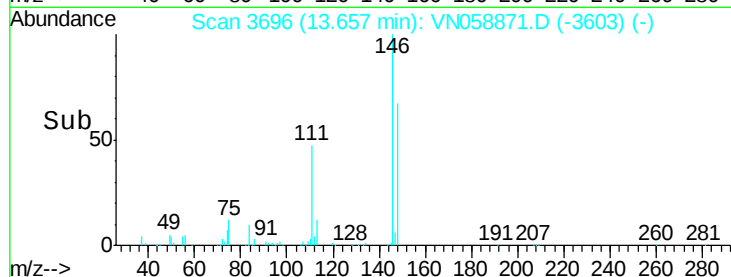
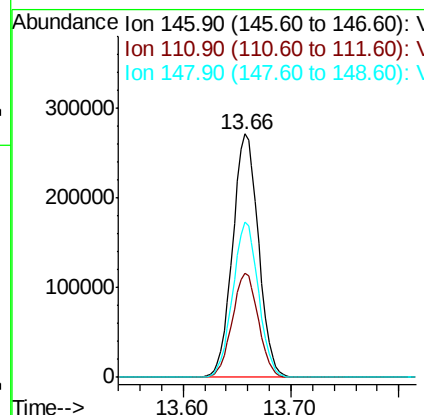
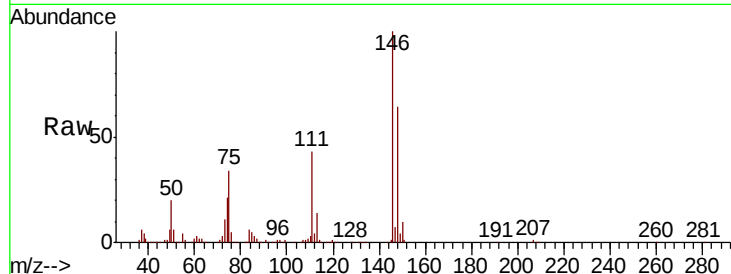
#91
 1,2-Dichlorobenzene
 Concen: 50.111 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	64.8
148	63.6	31.9	95.9

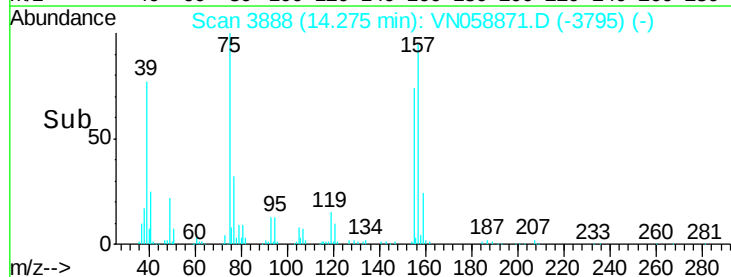
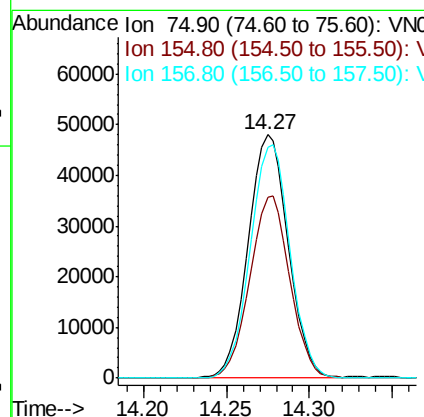
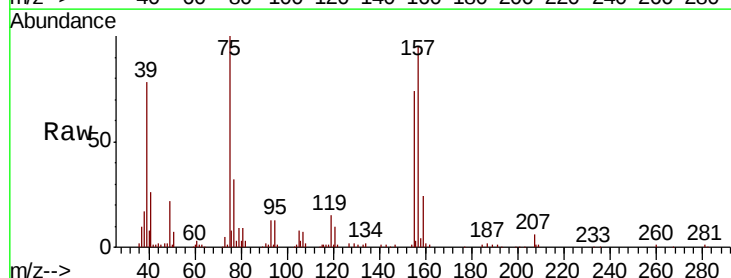
Manual Integrations
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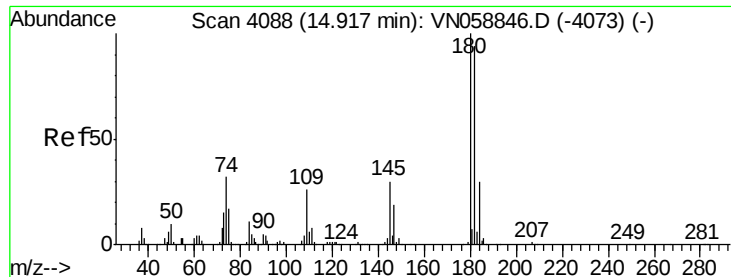
MMDadoda
 10/21/2019 10:42:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.029 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	35.6	106.8
157	95.2	47.4	142.2





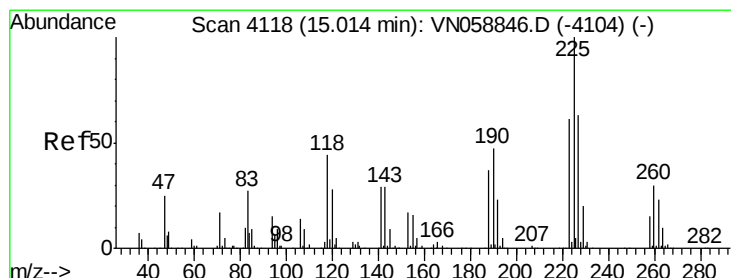
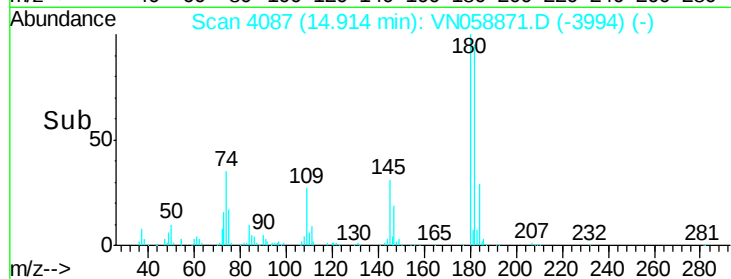
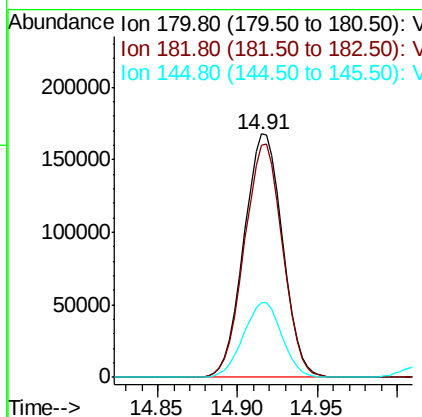
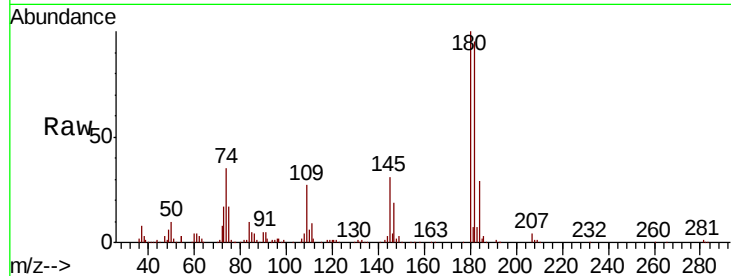
#93
 1,2,4-Trichlorobenzene
 Concen: 48.931 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	276936		
182	95.1	47.3	142.0	
145	30.7	15.3	45.8	

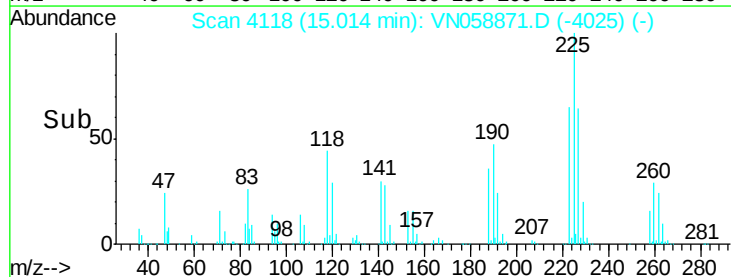
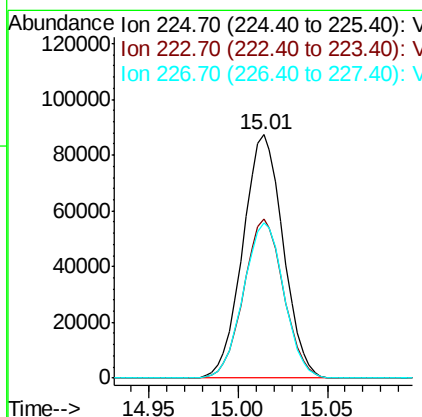
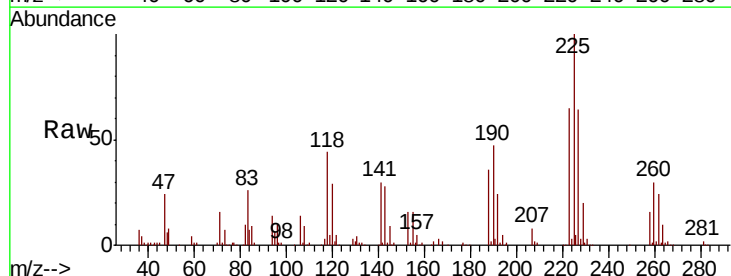
Manual Integrations
 APPROVED

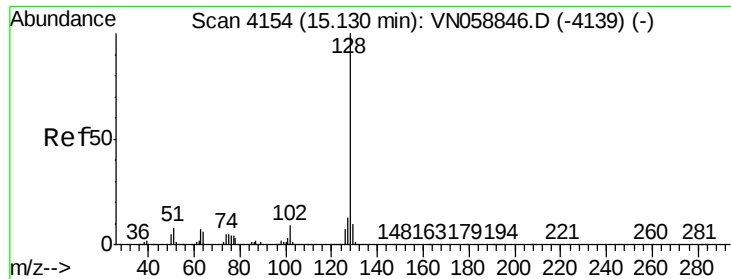
MMDadoda
 10/21/2019 10:42:54 AM



#94
 Hexachlorobutadiene
 Concen: 47.276 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	137924		
223	64.6	30.9	92.5	
227	64.1	31.6	94.7	





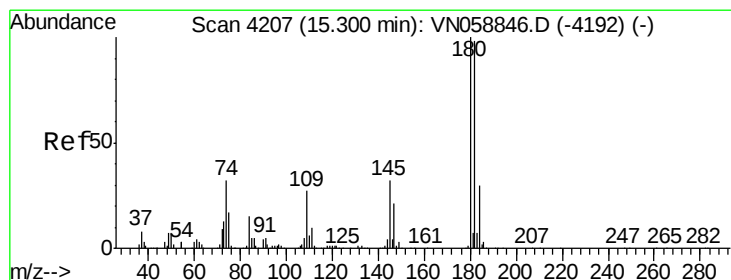
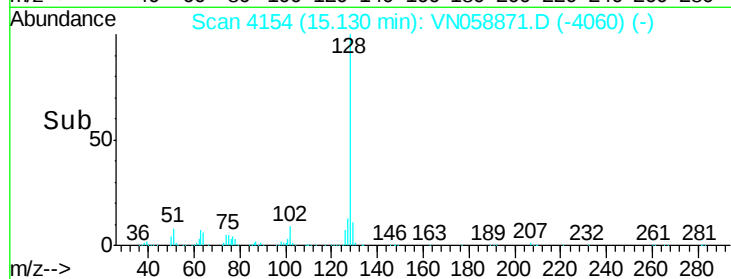
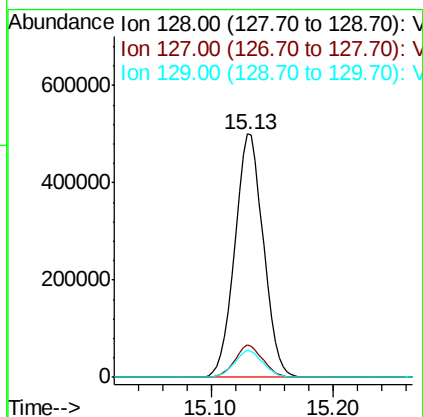
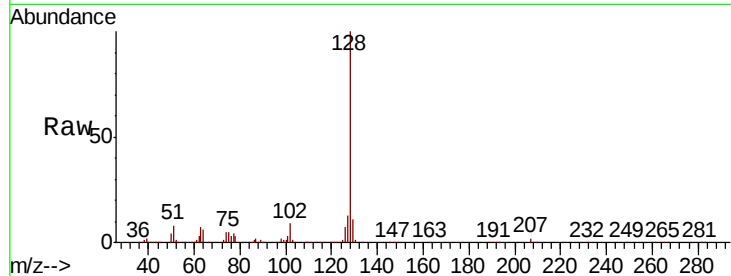
#95
Naphthalene
Concen: 49.777 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.0	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:42:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.525 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	32.5	15.9	47.7

