

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\
 Data File : VN058994.D
 Acq On : 28 Oct 2019 14:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:53:12 PM

Quant Time: Oct 29 14:02:22 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	7.64	168	396611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	624221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	582123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290812	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	277915	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
35) Dibromofluoromethane	7.57	113	211437	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
50) Toluene-d8	10.08	98	804345	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	303946	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	217344	43.953	ug/l	99
3) Chloromethane	2.04	50	262445	42.852	ug/l	100
4) Vinyl Chloride	2.17	62	273761	45.020	ug/l	98
5) Bromomethane	2.54	94	165574	43.481	ug/l	94
6) Chloroethane	2.68	64	173309	44.443	ug/l	96
7) Trichlorofluoromethane	3.00	101	356238	47.346	ug/l	100
8) Diethyl Ether	3.38	74	130351	50.133	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	199769	47.893	ug/l	99
10) Methyl Iodide	3.93	142	248516	45.300	ug/l	100
11) Tert butyl alcohol	4.74	59	212974	220.631	ug/l	99
12) 1,1-Dichloroethene	3.71	96	187835	48.042	ug/l	98
13) Acrolein	3.58	56	127834	192.736	ug/l	99
14) Allyl chloride	4.29	41	360759	45.598	ug/l	94
15) Acrylonitrile	4.95	53	596070	245.488	ug/l	99
16) Acetone	3.79	43	668563	232.594	ug/l	99
17) Carbon Disulfide	4.03	76	539648	42.847	ug/l	100
18) Methyl Acetate	4.29	43	316586	48.445	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	713103	52.087	ug/l	98
20) Methylene Chloride	4.52	84	231754	47.219	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	209371	48.489	ug/l	99
22) Diisopropyl ether	5.92	45	835650	54.000	ug/l	94
23) Vinyl Acetate	5.86	43	3403527	273.748	ug/l	99
24) 1,1-Dichloroethane	5.82	63	441042	49.151	ug/l	99
25) 2-Butanone	6.81	43	877099	235.069	ug/l	97
26) 2,2-Dichloropropane	6.80	77	390845	50.357	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	250669	50.820	ug/l	99
28) Bromochloromethane	7.17	49	146442	49.003	ug/l	99
29) Tetrahydrofuran	7.18	42	552178	241.915	ug/l	100
30) Chloroform	7.35	83	438418	48.708	ug/l	99
31) Cyclohexane	7.63	56	389386	46.580	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	377526	49.761	ug/l	99
36) 1,1-Dichloropropene	7.77	75	328699	51.434	ug/l	100
37) Ethyl Acetate	6.90	43	346035	49.693	ug/l	99
38) Carbon Tetrachloride	7.75	117	326354	49.570	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	378242	52.711	ug/l	99
40) Benzene	8.02	78	975694	51.992	ug/l	98
41) Methacrylonitrile	7.16	41	178087m	57.422	ug/l	
42) 1,2-Dichloroethane	8.10	62	359335	49.708	ug/l	100
43) Isopropyl Acetate	8.14	43	574186	51.414	ug/l	99
44) Trichloroethene	8.82	130	235555	51.528	ug/l	97
45) 1,2-Dichloropropane	9.10	63	273790	53.205	ug/l	98
46) Dibromomethane	9.19	93	166777	51.266	ug/l	98
47) Bromodichloromethane	9.39	83	352553	52.581	ug/l	99
48) Methyl methacrylate	9.18	41	265353	52.370	ug/l	97
49) 1,4-Dioxane	9.18	88	84418	1014.926	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1747826	267.946	ug/l	99
52) Toluene	10.15	92	600882	53.994	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	401170	54.047	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	432615	54.554	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	238695	52.066	ug/l	98
56) Ethyl methacrylate	10.42	69	377729	49.090	ug/l	98
57) 1,3-Dichloropropane	10.70	76	421781	52.419	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	811473	249.549	ug/l	100
59) 2-Hexanone	10.75	43	1324235	262.715	ug/l	99
60) Dibromochloromethane	10.90	129	267179	54.144	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243144	51.825	ug/l	100
64) Tetrachloroethene	10.63	164	206022	50.535	ug/l	98
65) Chlorobenzene	11.43	112	633840	53.483	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	242052	54.124	ug/l	99
67) Ethyl Benzene	11.51	91	1167847	56.174	ug/l	98
68) m/p-Xylenes	11.62	106	868021	112.586	ug/l	100
69) o-Xylene	11.95	106	414253	56.337	ug/l	98
70) Styrene	11.96	104	697452	51.338	ug/l	99
71) Bromoform	12.13	173	187616	54.101	ug/l #	98
73) Isopropylbenzene	12.25	105	1134029	53.359	ug/l	99
74) N-amyl acetate	12.07	43	504409	52.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	370447	49.572	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	362883m	53.841	ug/l	
77) Bromobenzene	12.53	156	271995	51.923	ug/l	95
78) n-propylbenzene	12.59	91	1365449	54.353	ug/l	100
79) 2-Chlorotoluene	12.68	91	797592	51.874	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	978673	54.808	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	132898	51.367	ug/l	96
82) 4-Chlorotoluene	12.78	91	835232	53.156	ug/l	100
83) tert-Butylbenzene	13.00	119	829753	54.341	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	976134	55.423	ug/l	99
85) sec-Butylbenzene	13.17	105	1124776	55.250	ug/l	98
86) p-Isopropyltoluene	13.29	119	1024037	57.008	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	497723	53.137	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	489700	52.218	ug/l	99
89) n-Butylbenzene	13.62	91	938813	56.894	ug/l	100
90) Hexachloroethane	13.88	117	187192	51.427	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	486789	52.875	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73837	43.684	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	288392	49.773	ug/l	100
94) Hexachlorobutadiene	15.01	225	154975	51.936	ug/l	99
95) Naphthalene	15.13	128	762560	45.967	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	272391	48.360	ug/l	99

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

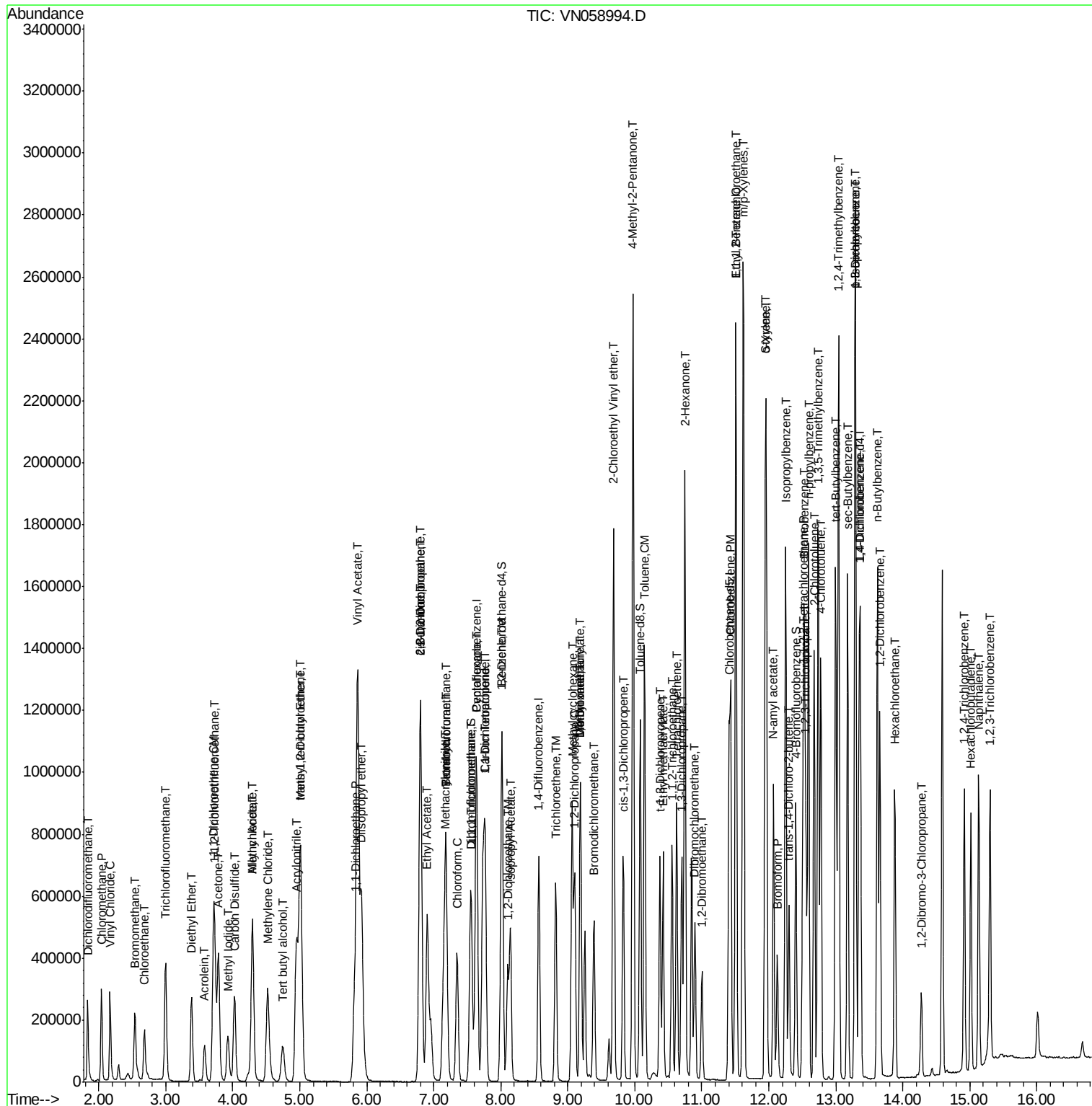
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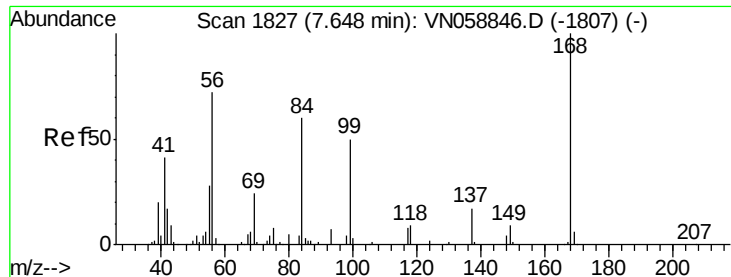
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 396611

Ion Ratio Lower Upper

168 100

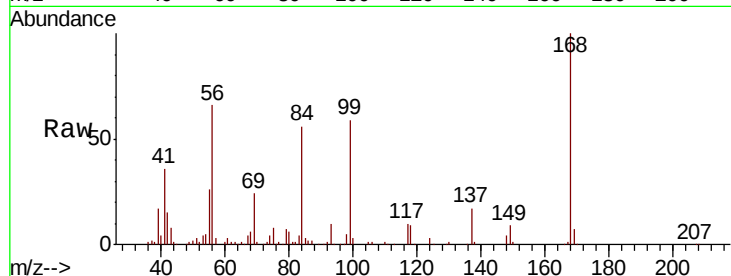
99 58.7 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

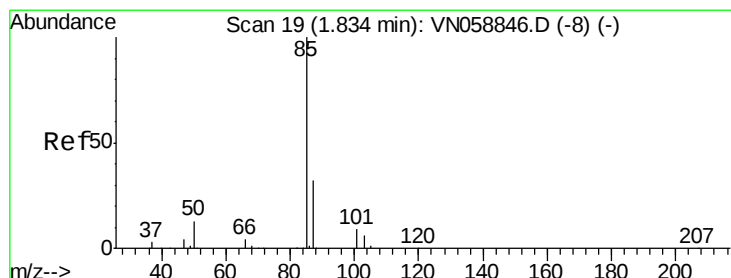
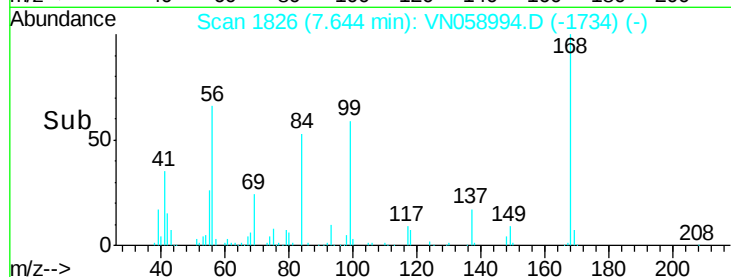
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.953 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058994.D

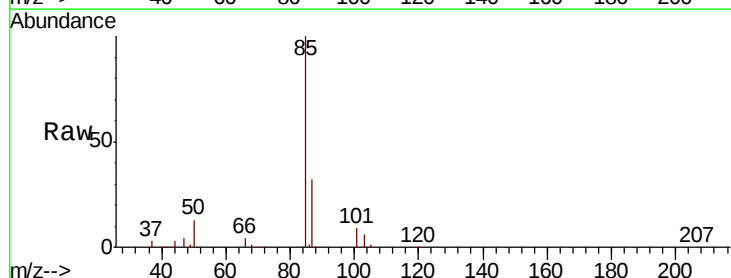
Acq: 28 Oct 2019 14:42

Tgt Ion: 85 Resp: 217344

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

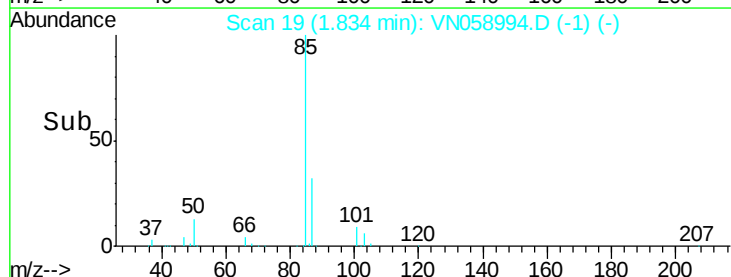
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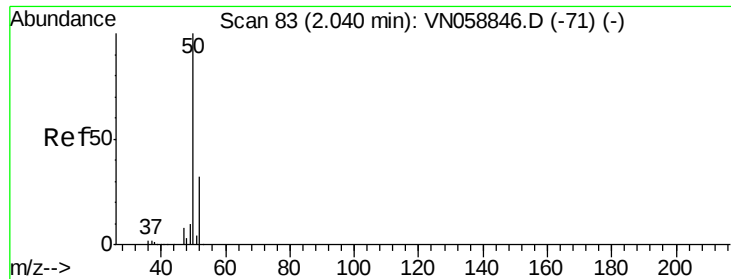
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 42.852 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 262445

Ion Ratio Lower Upper

50 100

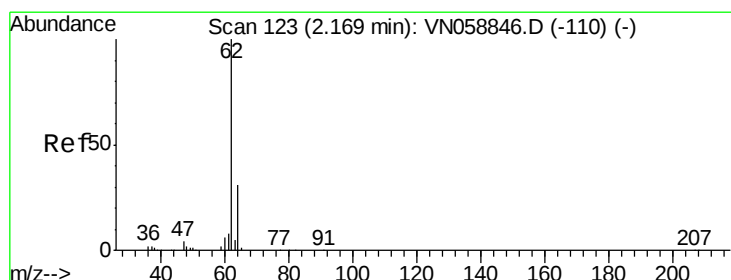
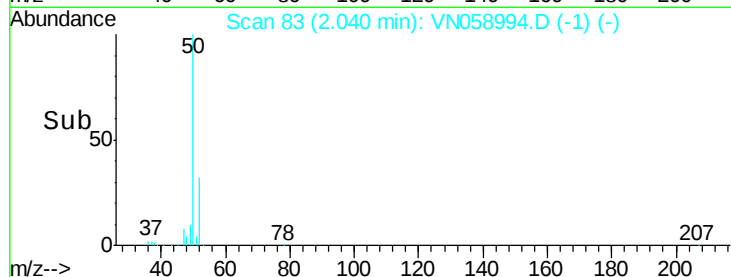
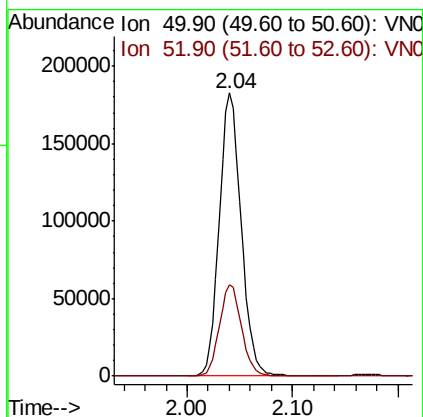
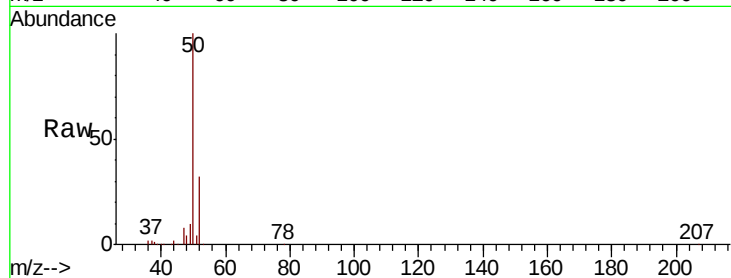
52 32.2 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.020 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058994.D

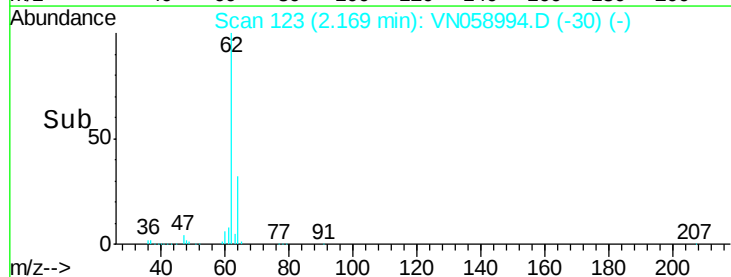
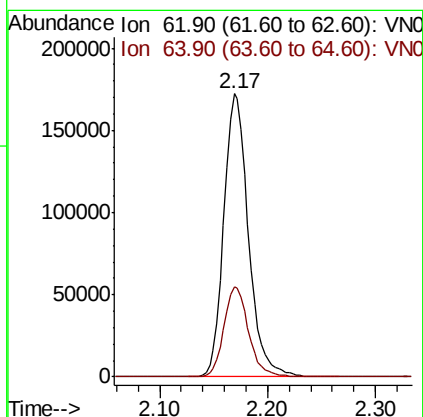
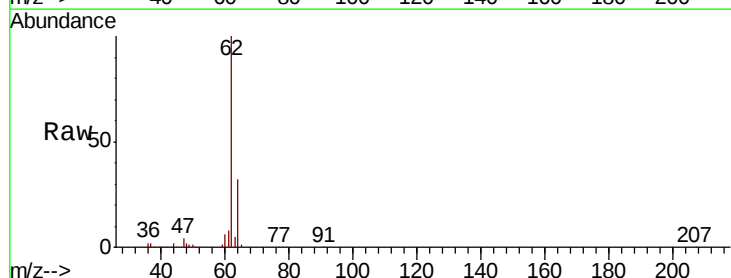
Acq: 28 Oct 2019 14:42

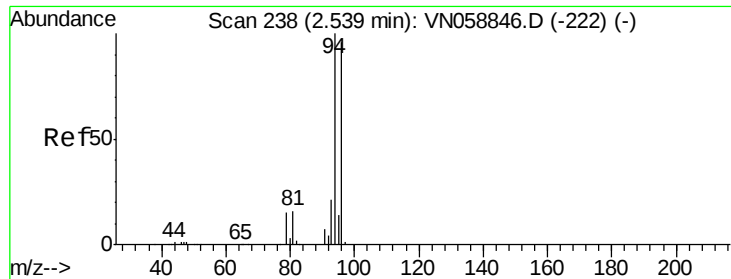
Tgt Ion: 62 Resp: 273761

Ion Ratio Lower Upper

62 100

64 32.0 24.6 36.8





#5

Bromomethane

Concen: 43.481 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 165574

Ion Ratio Lower Upper

94 100

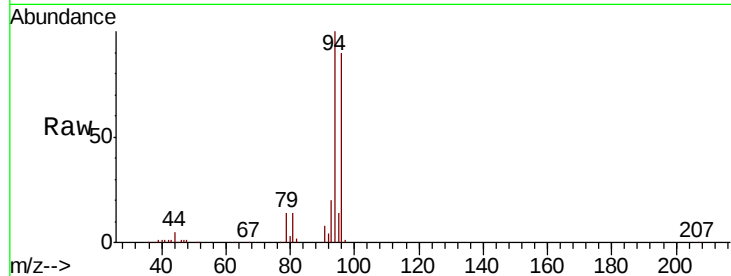
96 90.5 77.0 115.6

Manual Integrations

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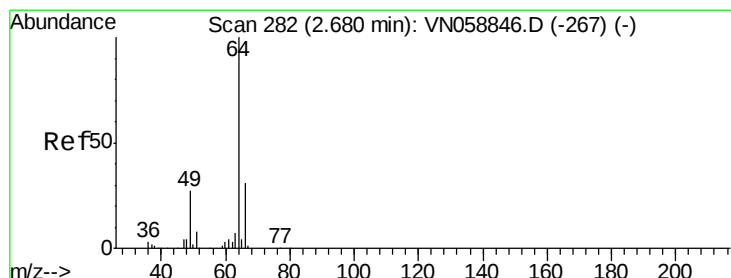
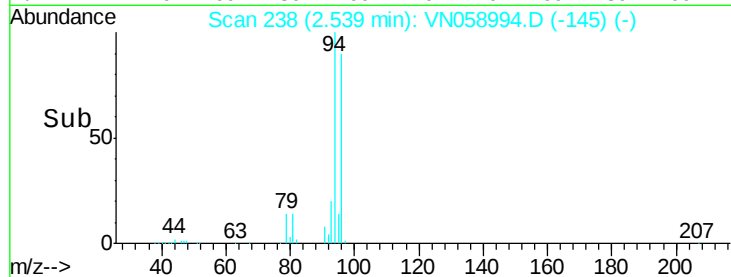
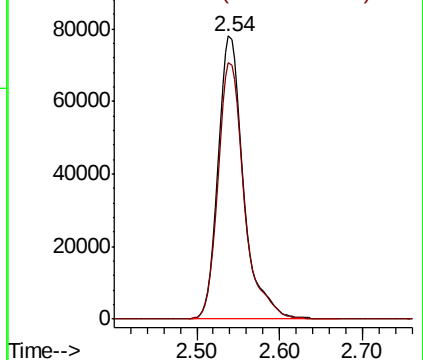
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.443 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058994.D

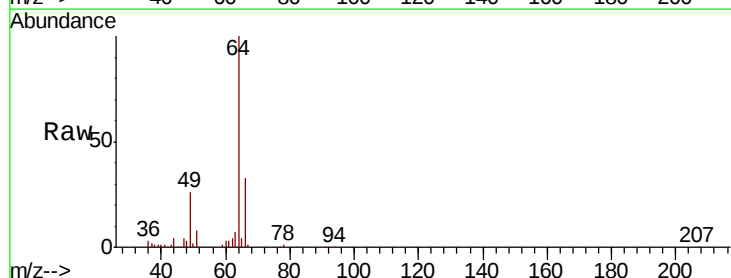
Acq: 28 Oct 2019 14:42

Tgt Ion: 64 Resp: 173309

Ion Ratio Lower Upper

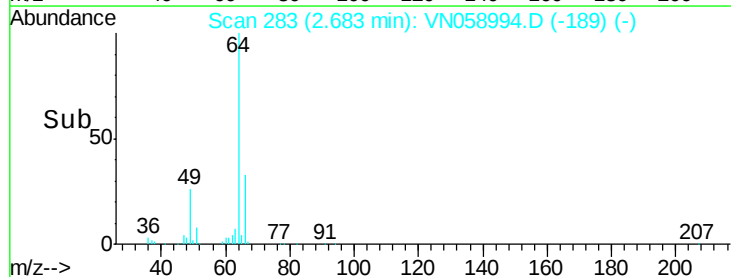
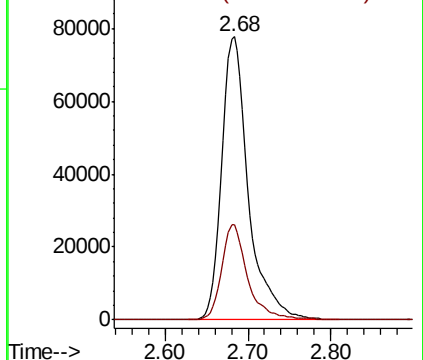
64 100

66 33.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

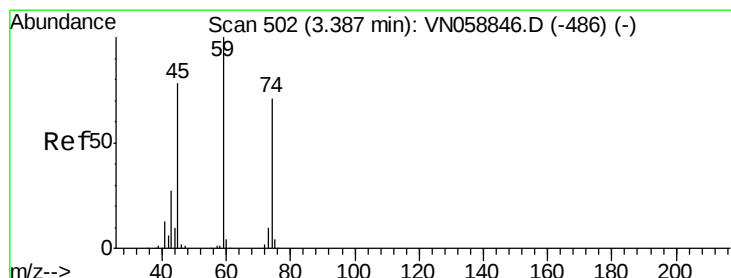
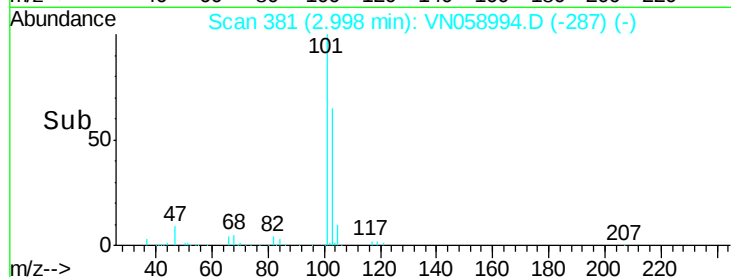
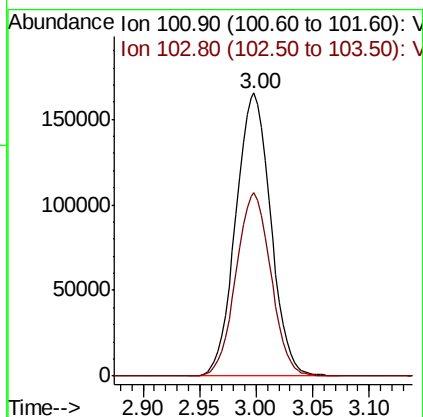
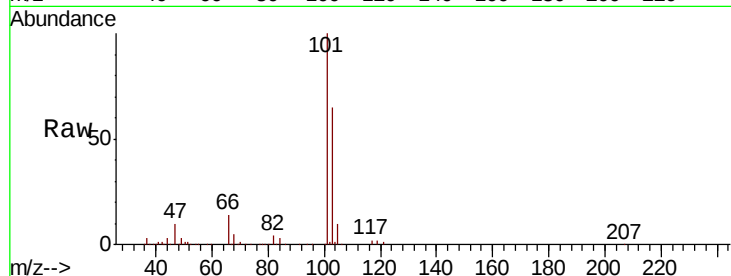
Trichlorofluoromethane
Concen: 47.346 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058994.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.2	78.2

Manual Integrations
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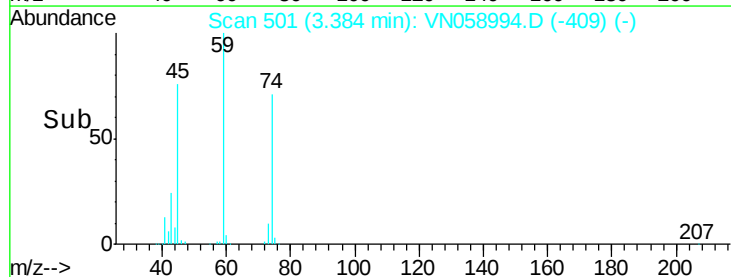
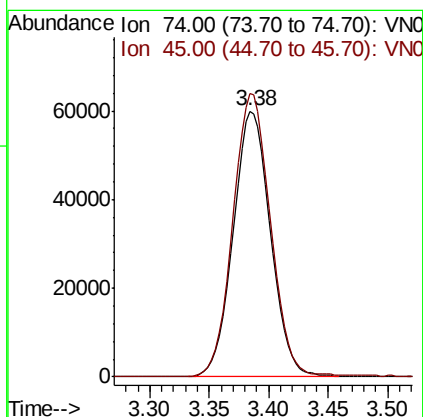
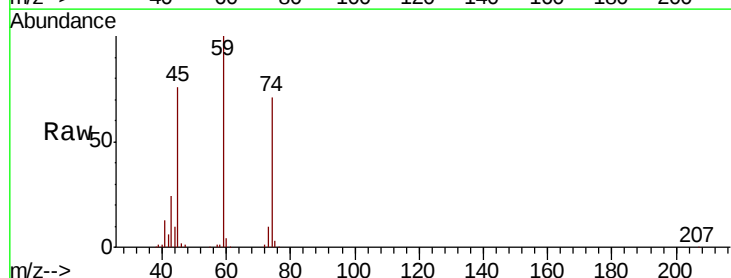
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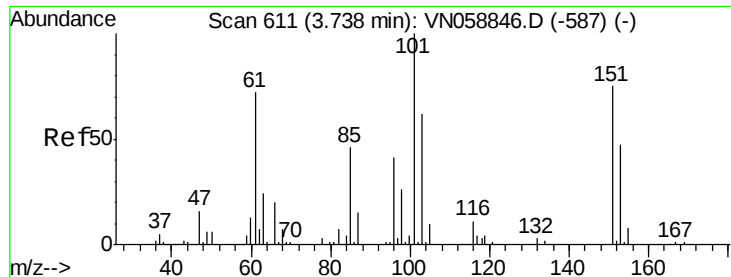


#8

Diethyl Ether
Concen: 50.133 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN058994.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	54.9	164.5





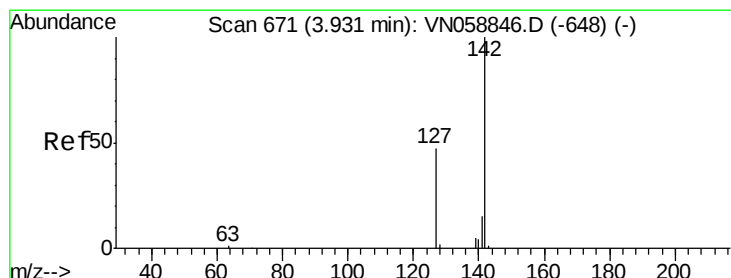
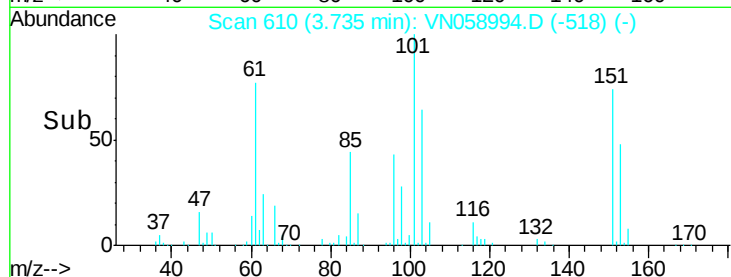
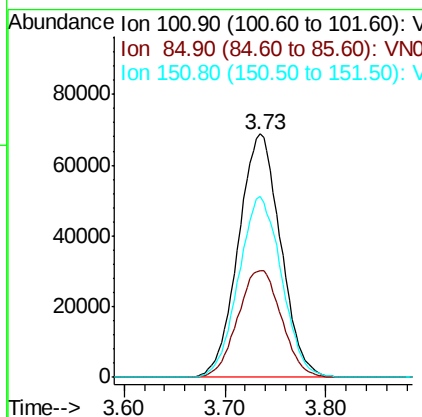
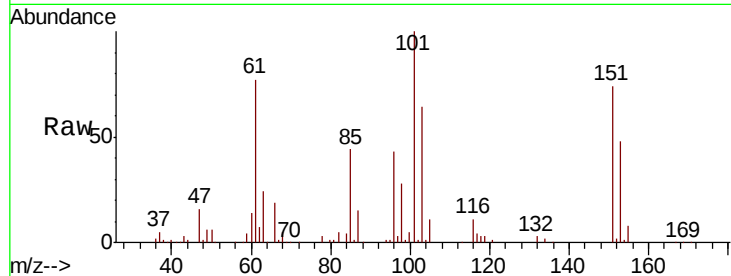
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.893 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	199769		
85	45.5	37.2	55.8	
151	75.5	59.9	89.9	

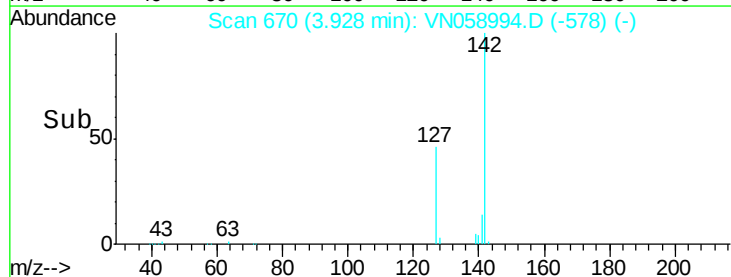
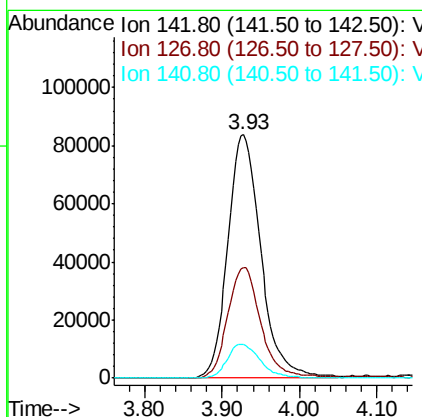
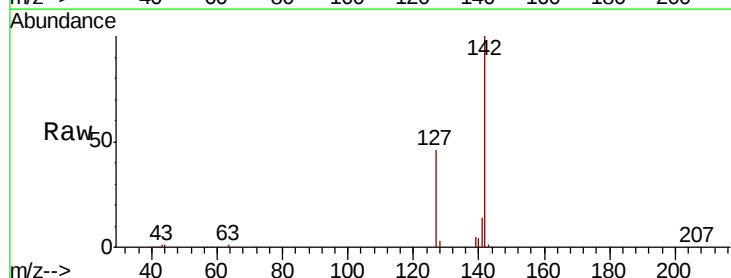
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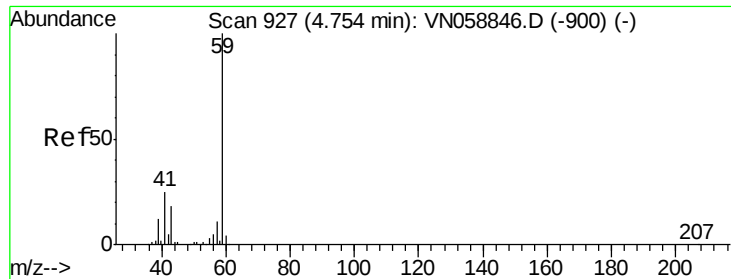
MMDadoda
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#10
 Methyl Iodide
 Concen: 45.300 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	248516		
127	45.5	36.6	54.8	
141	13.9	11.4	17.2	





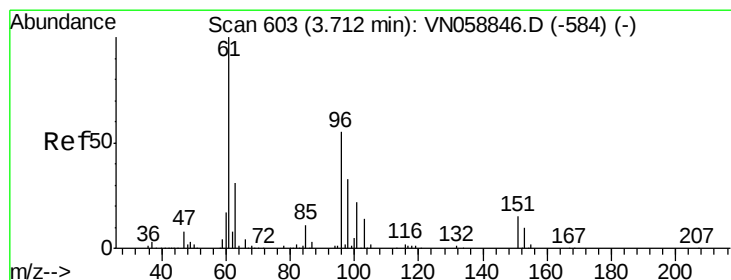
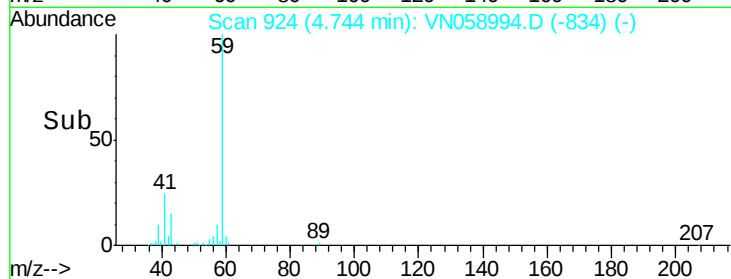
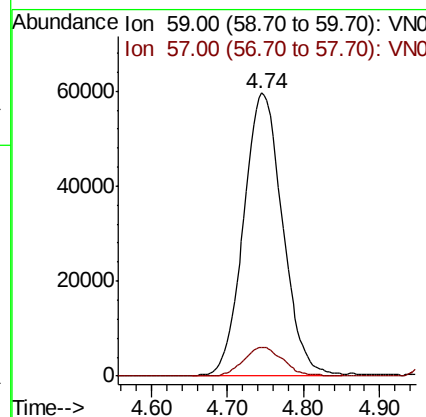
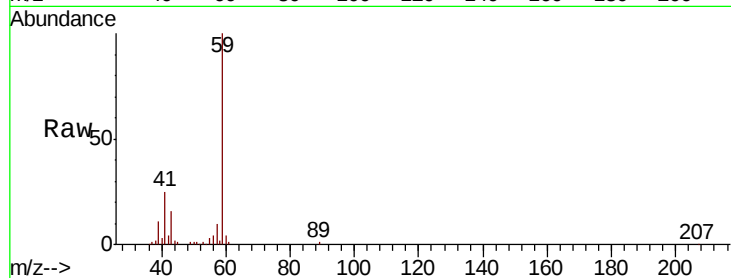
#11
Tert butyl alcohol
Concen: 220.631 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 212974
Ion Ratio Lower Upper
59 100
57 10.2 8.6 12.8

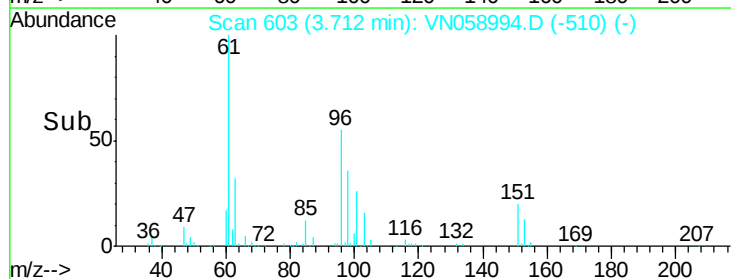
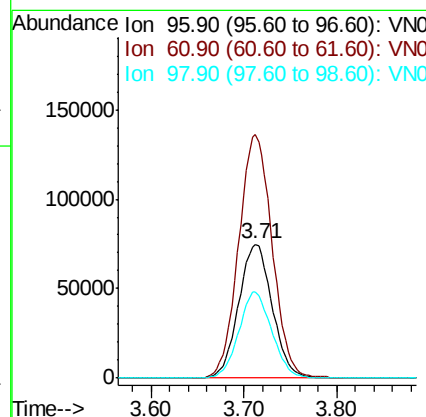
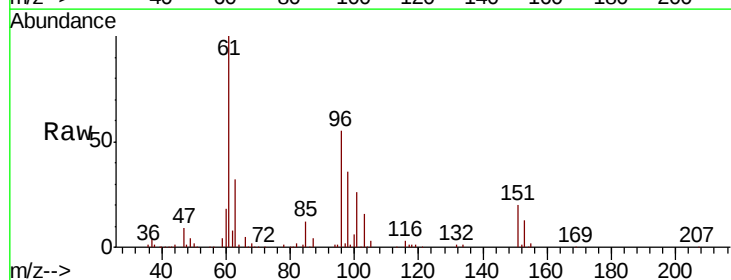
Manual Integrations
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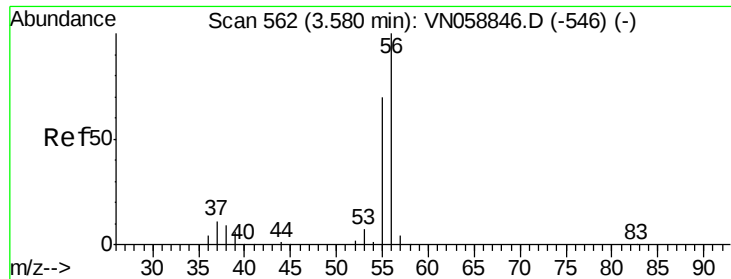
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.042 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion: 96 Resp: 187835
Ion Ratio Lower Upper
96 100
61 182.4 146.2 219.2
98 65.0 48.7 73.1





#13

Acrolein

Concen: 192.736 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 127834

Ion Ratio Lower Upper

56 100

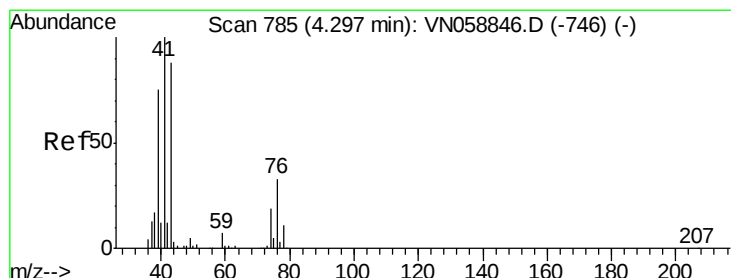
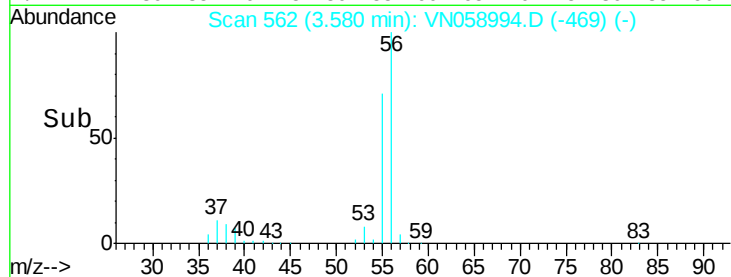
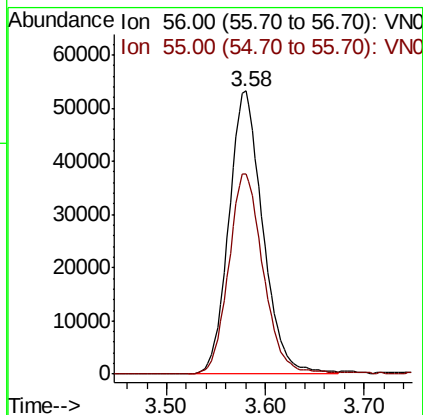
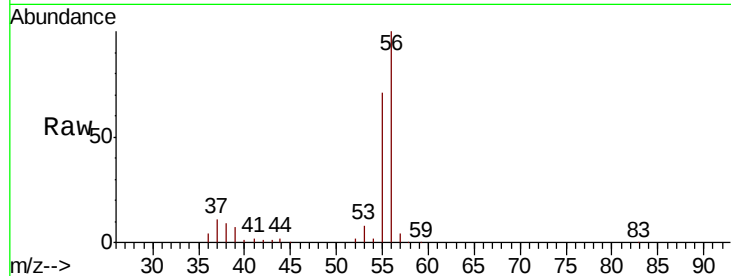
55 71.7 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 45.598 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

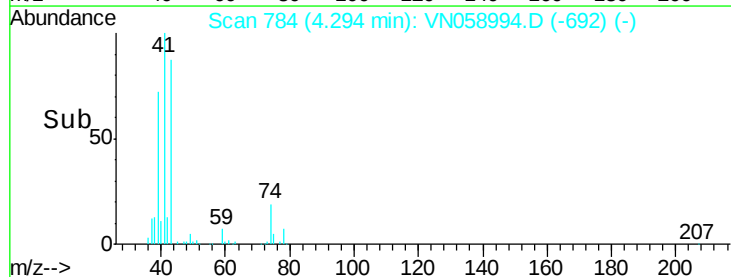
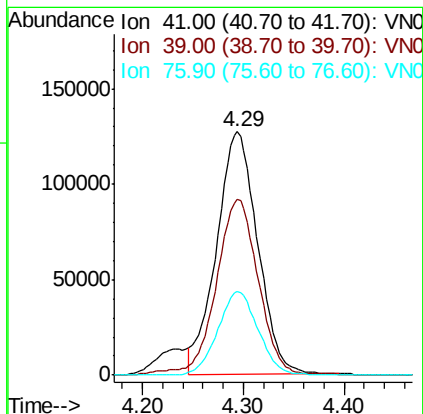
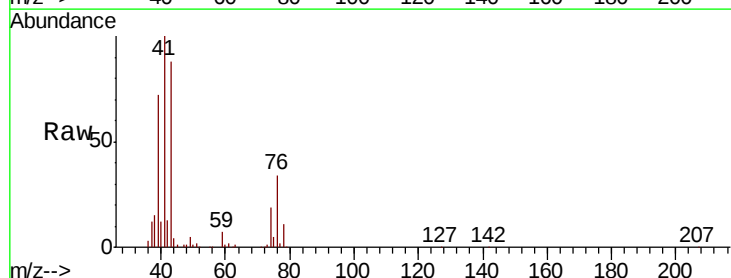
Tgt Ion: 41 Resp: 360759

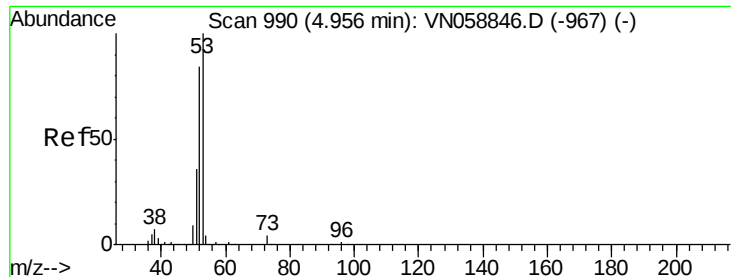
Ion Ratio Lower Upper

41 100

39 74.5 55.9 83.9

76 33.7 24.1 36.1





#15

Acrylonitrile

Concen: 245.488 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

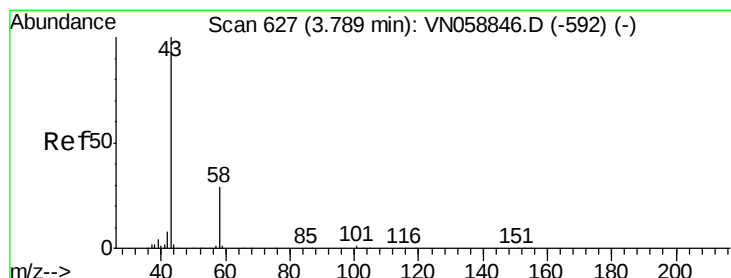
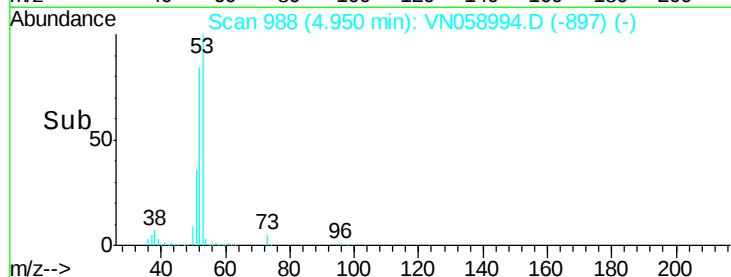
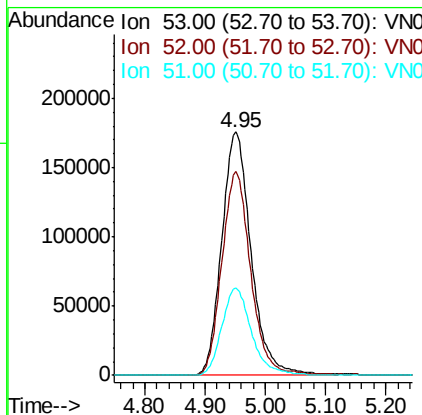
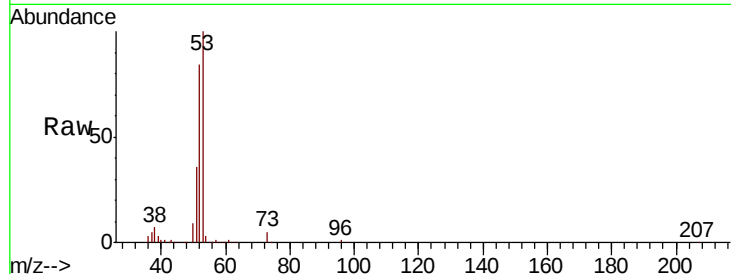
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	596070
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.6	99.8
51	36.3	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 232.594 ug/l

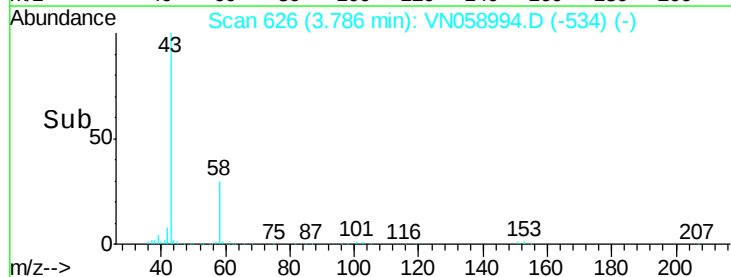
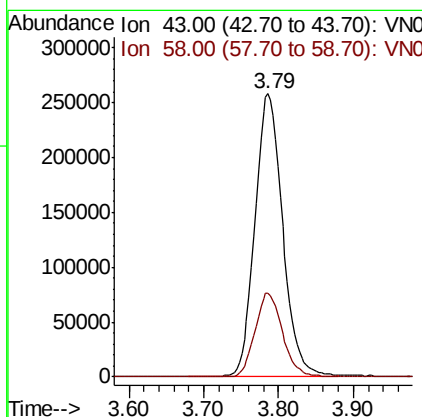
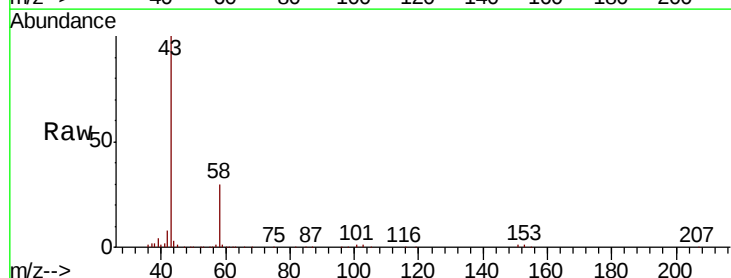
RT: 3.79 min Scan# 626

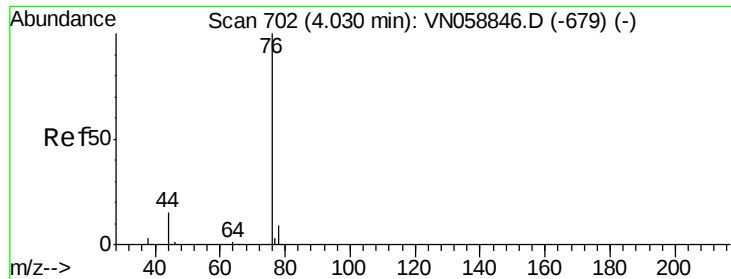
Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Tgt Ion:	43	Resp:	668563
Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.1	34.7





#17

Carbon Disulfide

Concen: 42.847 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 539648

Ion Ratio Lower Upper

76 100

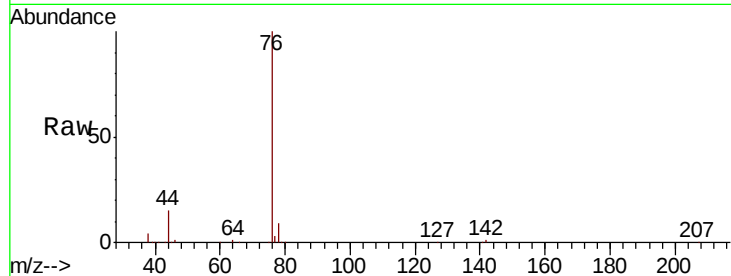
78 8.9 7.1 10.7

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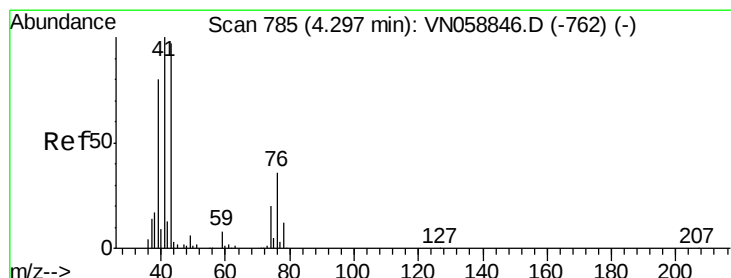
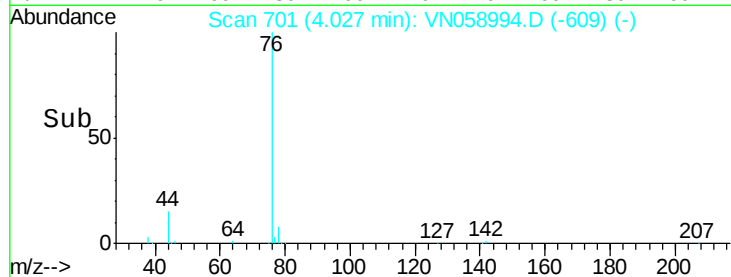
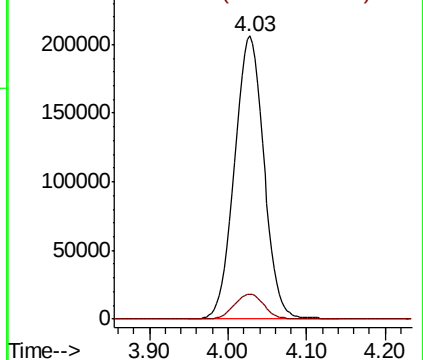
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 48.445 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058994.D

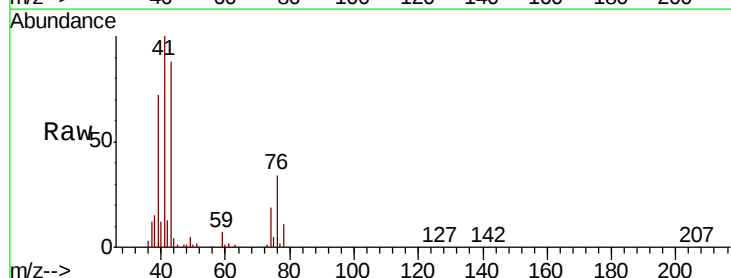
Acq: 28 Oct 2019 14:42

Tgt Ion: 43 Resp: 316586

Ion Ratio Lower Upper

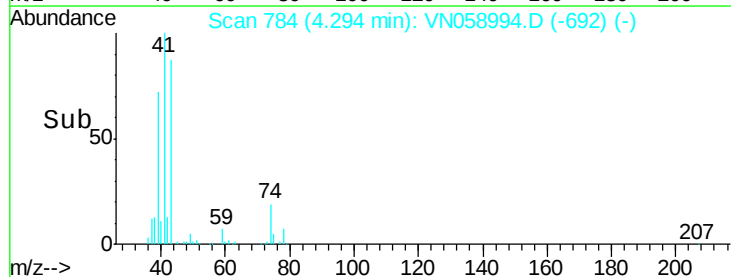
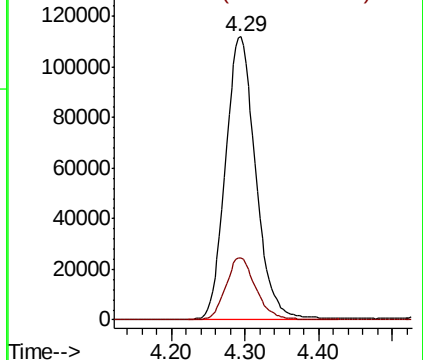
43 100

74 21.9 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





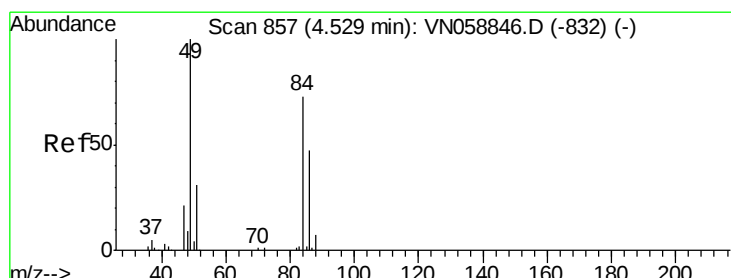
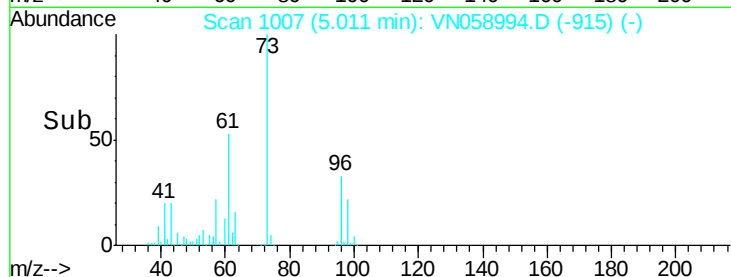
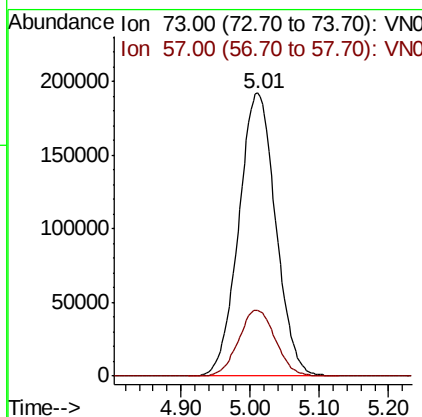
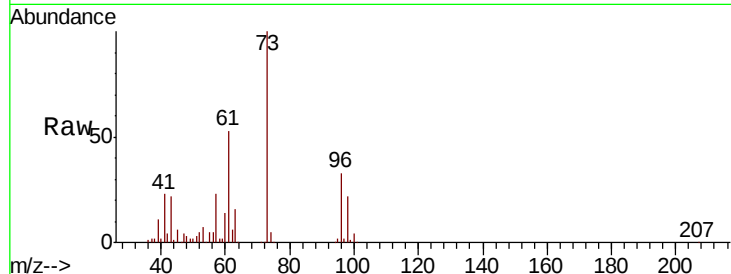
#19
Methvl tert-butvl Ether
Concen: 52.087 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 713103
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9

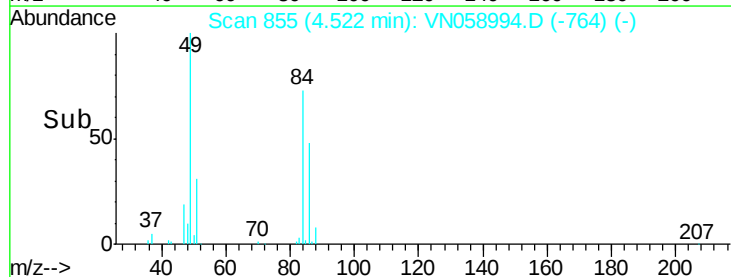
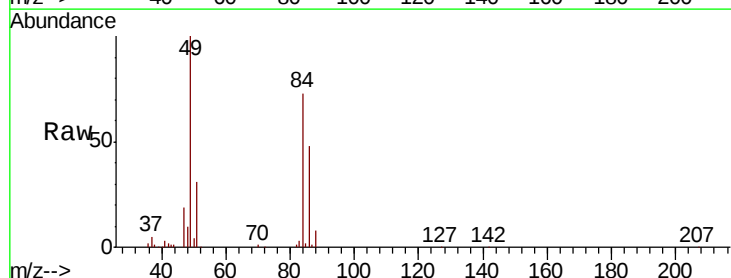
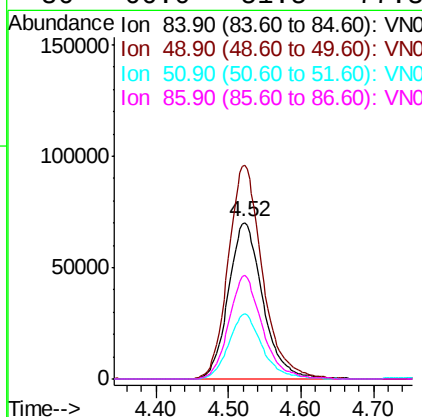
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#20
Methylene Chloride
Concen: 47.219 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion: 84 Resp: 231754
Ion Ratio Lower Upper
84 100
49 136.3 109.6 164.4
51 41.6 33.8 50.6
86 66.0 51.5 77.3





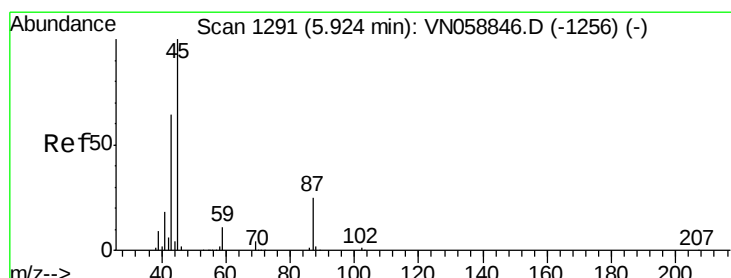
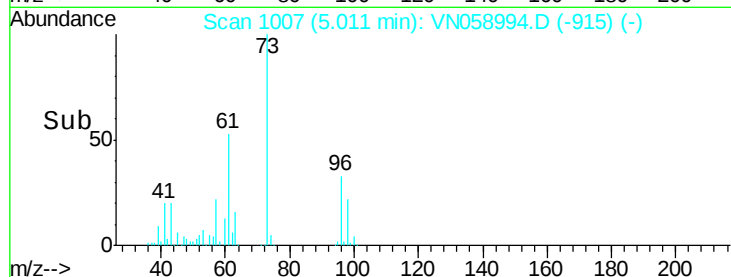
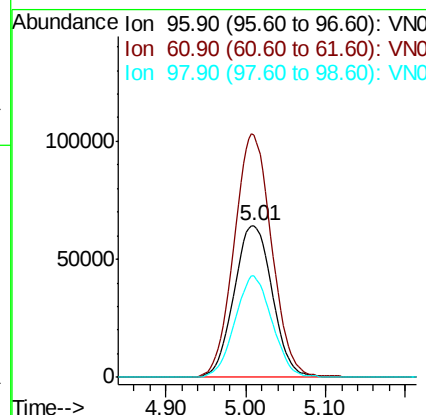
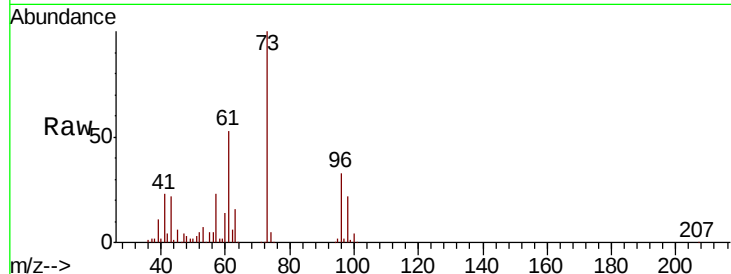
#21
trans-1,2-Dichloroethene
Concen: 48.489 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.5	126.7	190.1
98	66.6	52.0	78.0

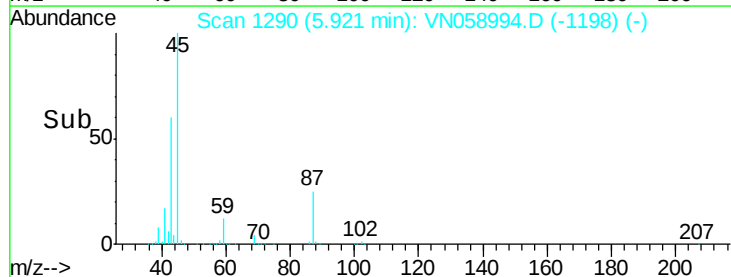
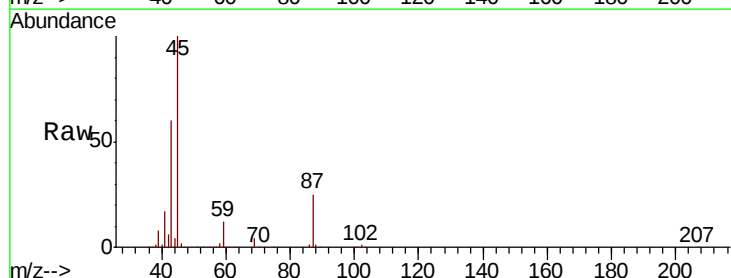
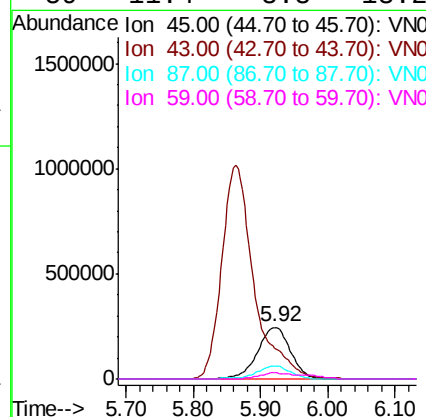
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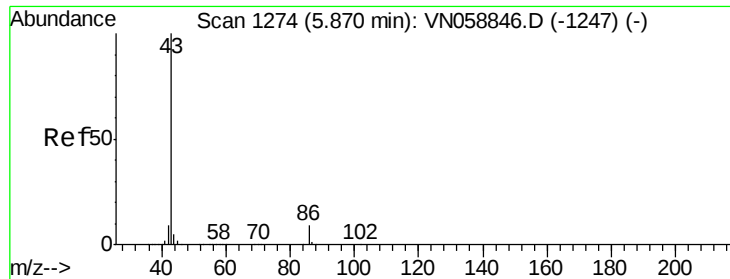
MMDadoda
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#22
Diisopropyl ether
Concen: 54.000 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	52.9	79.3
87	24.9	20.2	30.4
59	11.4	8.8	13.2





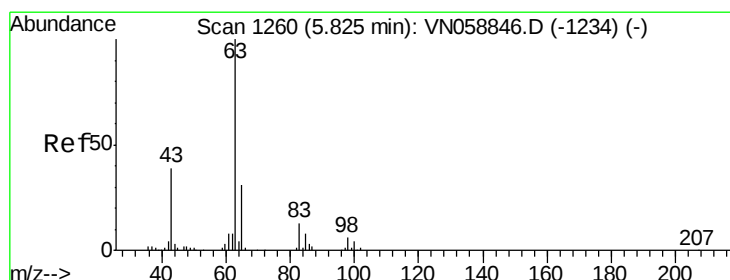
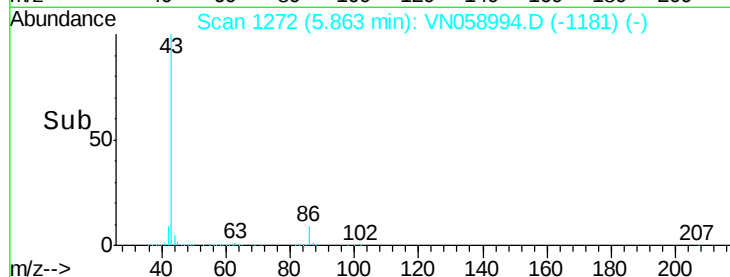
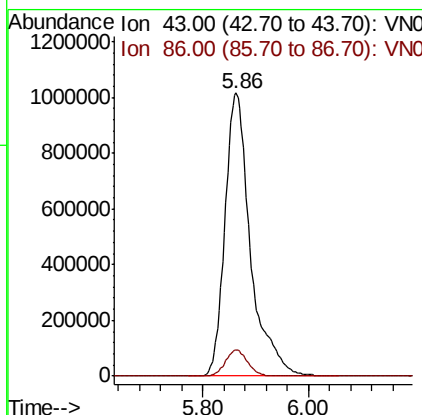
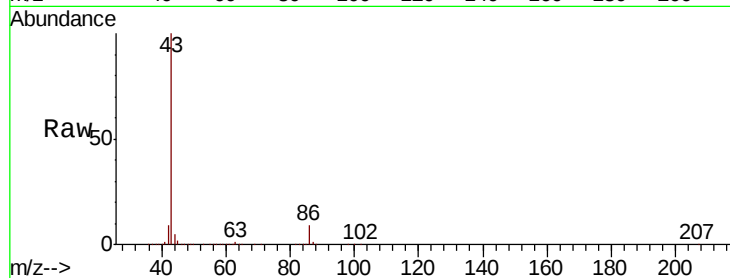
#23
 Vinyl Acetate
 Concen: 273.748 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3403527
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.2 10.8

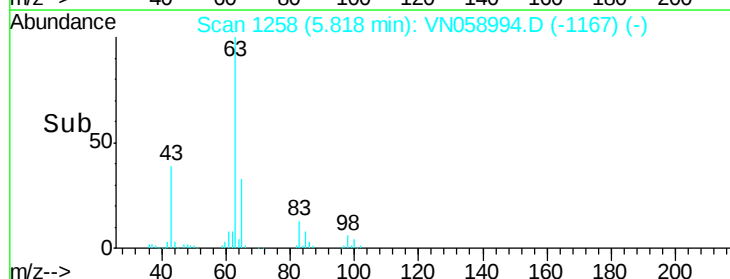
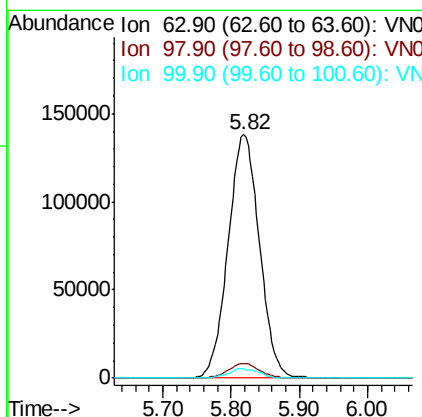
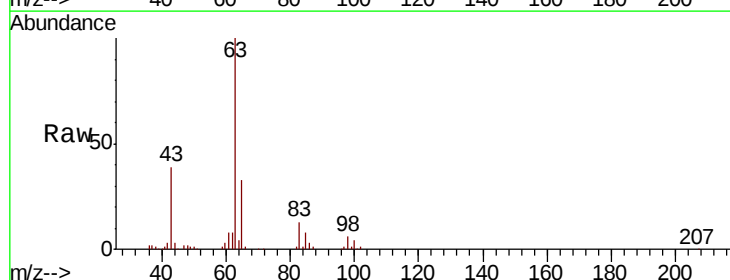
Manual Integrations
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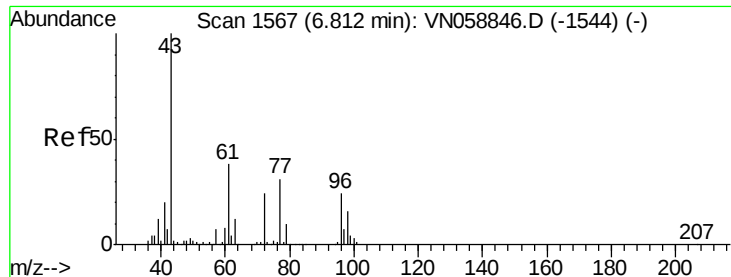
MMDadoda
 10/30/2019 3:53:12 PM



#24
 1,1-Dichloroethane
 Concen: 49.151 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion: 63 Resp: 441042
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.7 1.9 5.7





#25

2-Butanone

Concen: 235.069 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Tot Ion: 43 Resp: 877099

Ion Ratio Lower Upper

43 100

72 25.2 19.1 28.7

Instrument :

MSVOA_N

ClientSampleId :

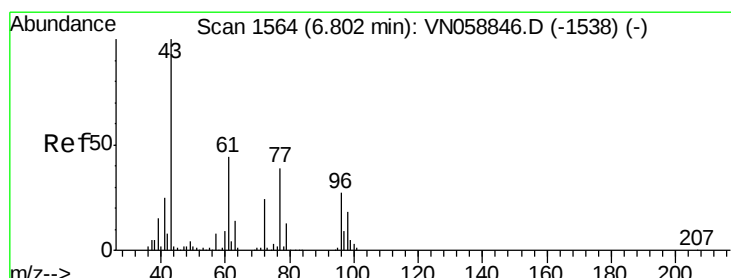
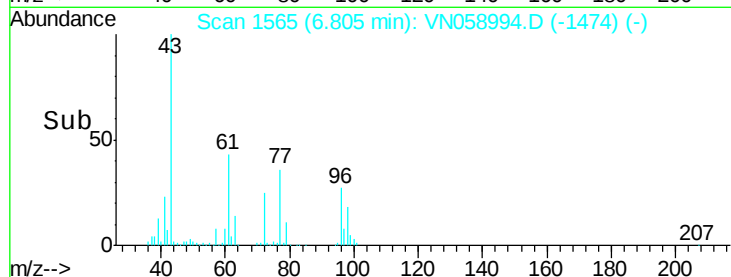
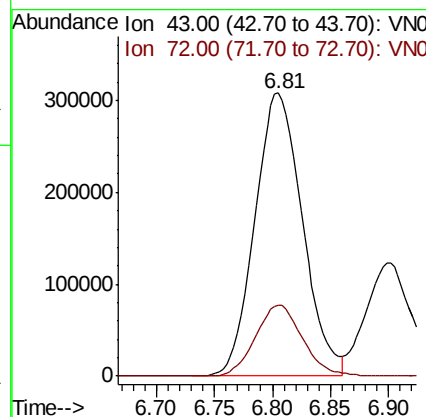
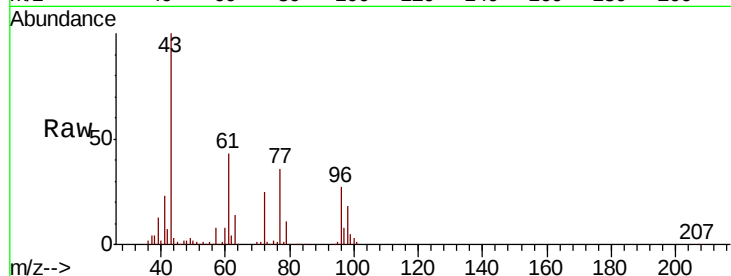
VSTDCCC050EC

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.357 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058994.D

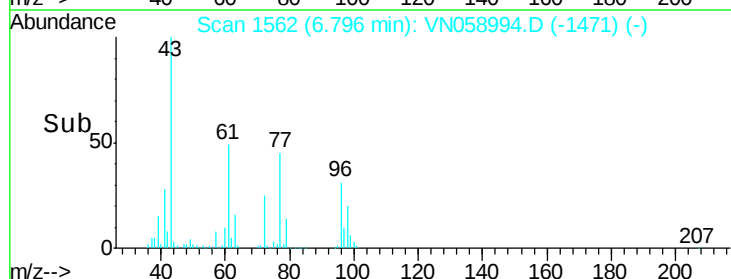
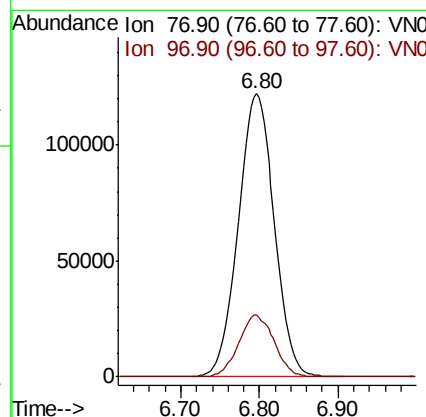
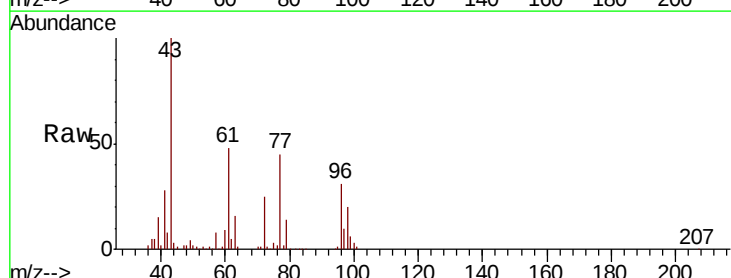
Acq: 28 Oct 2019 14:42

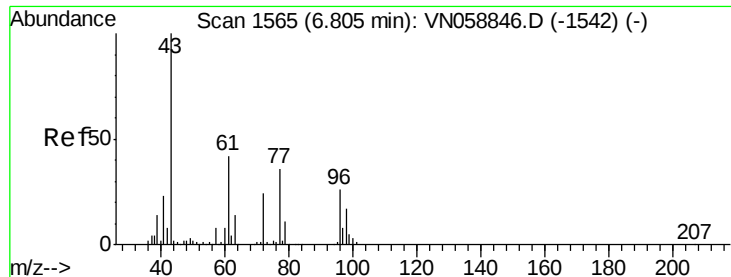
Tgt Ion: 77 Resp: 390845

Ion Ratio Lower Upper

77 100

97 21.5 10.6 31.8





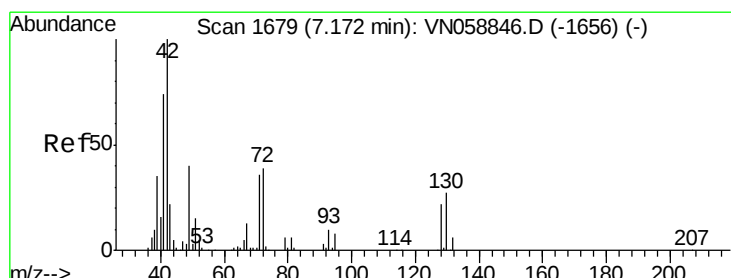
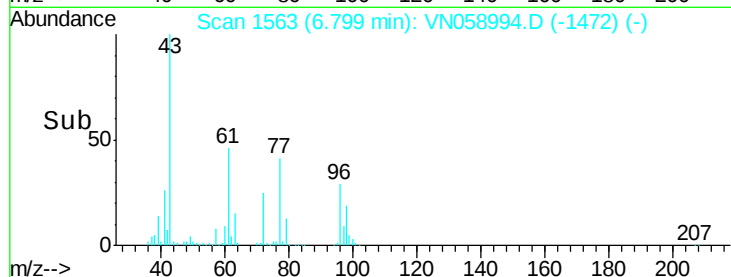
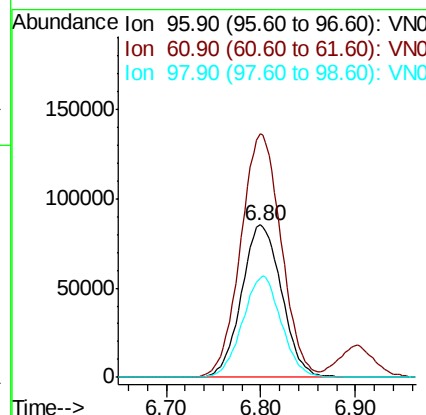
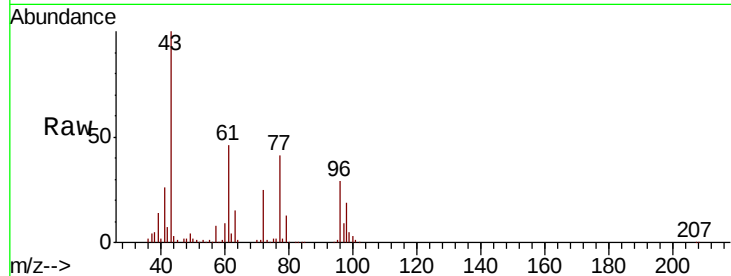
#27
 cis-1,2-Dichloroethene
 Concen: 50.820 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	250669		
61	161.3		0.0	325.0
98	64.6		0.0	128.0

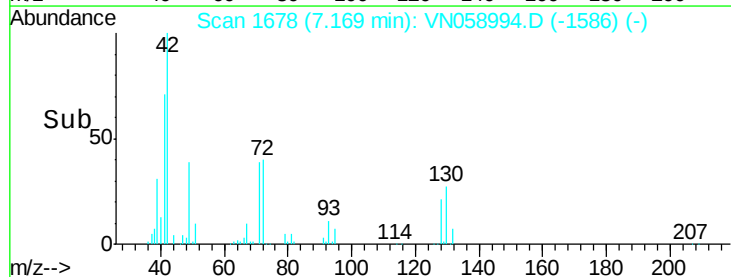
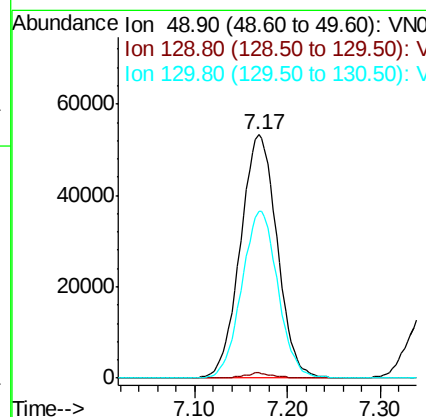
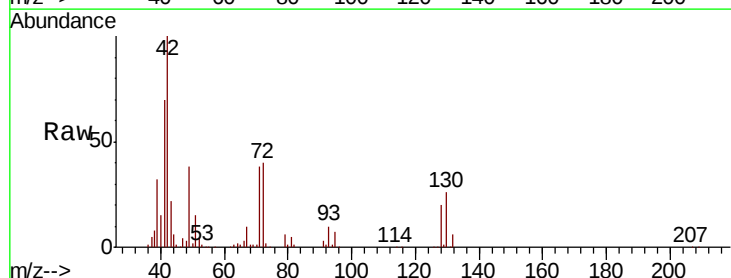
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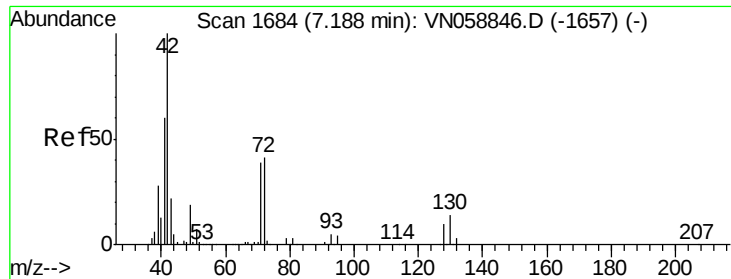
MMDadoda
 10/30/2019 3:53:12 PM



#28
 Bromochloromethane
 Concen: 49.003 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	146442		
129	1.6		0.0	3.2
130	67.3		53.5	80.3





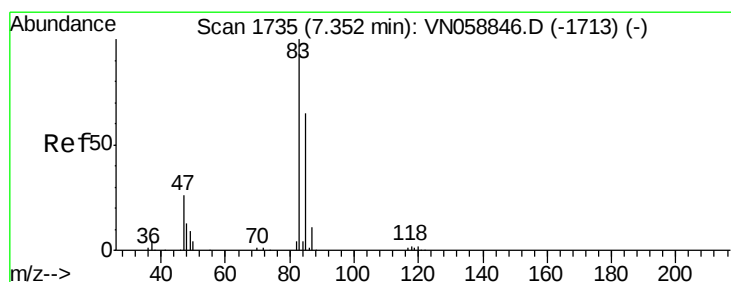
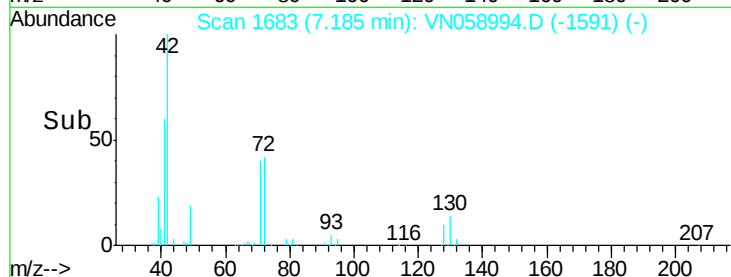
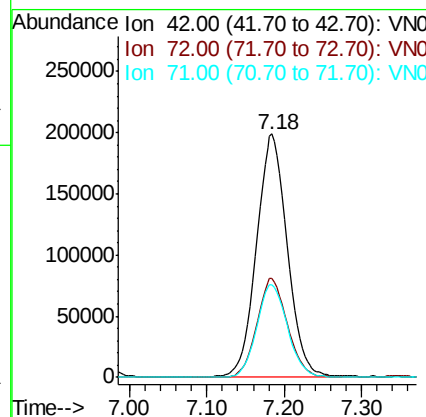
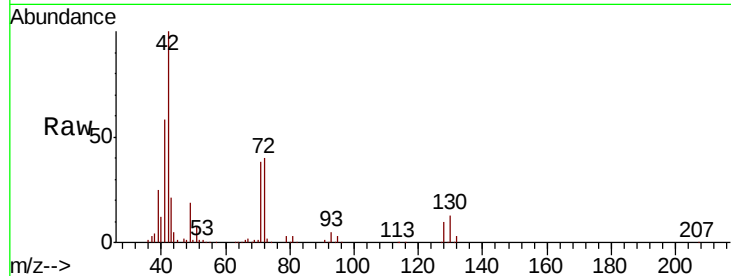
#29
Tetrahydrofuran
Concen: 241.915 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.2	48.2
71	38.5	30.6	45.8

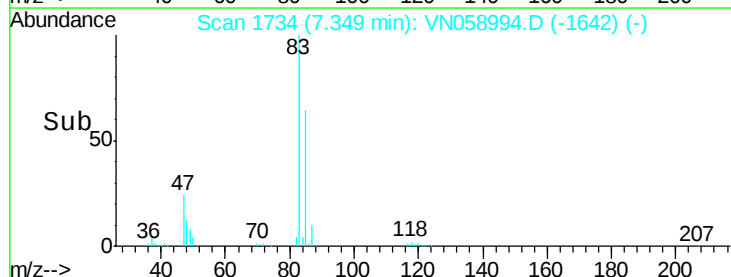
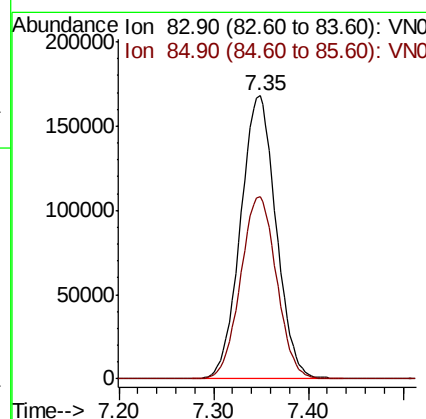
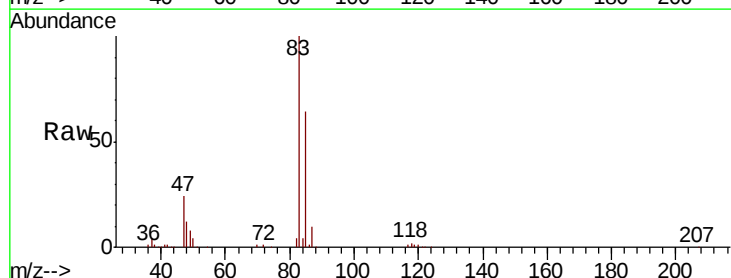
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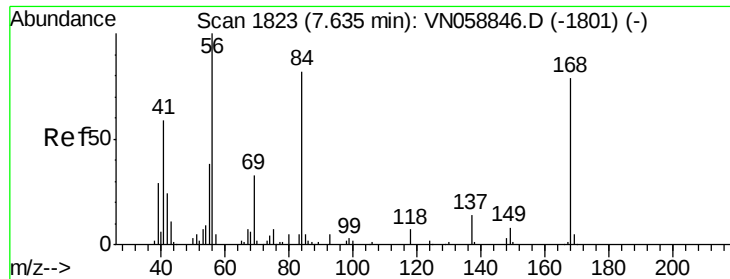
MMDadoda
10/30/2019 3:53:12 PM



#30
Chloroform
Concen: 48.708 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.9	77.9





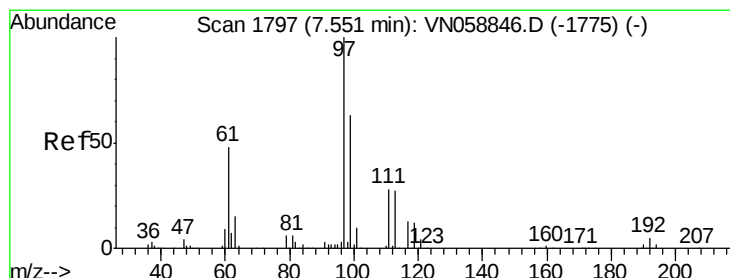
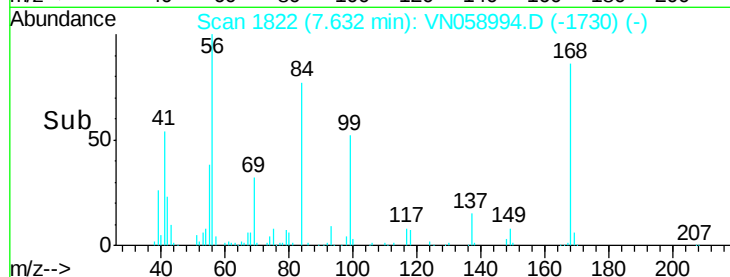
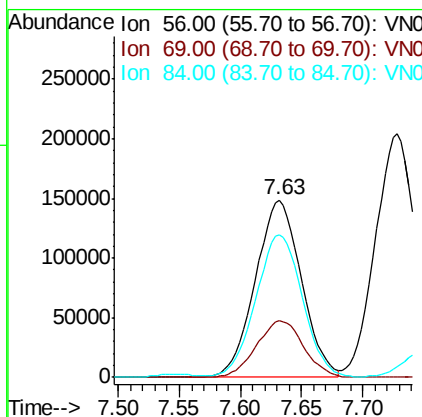
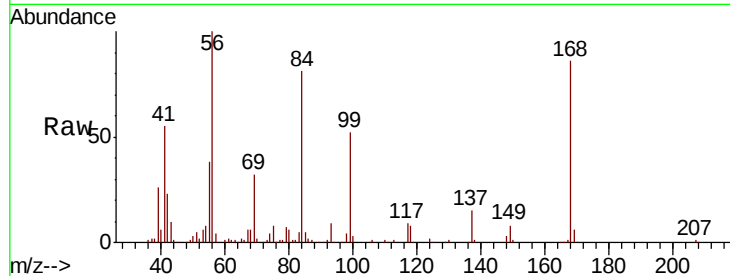
#31
Cyclohexane
Concen: 46.580 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	26.2	39.4
84	79.2	65.6	98.4

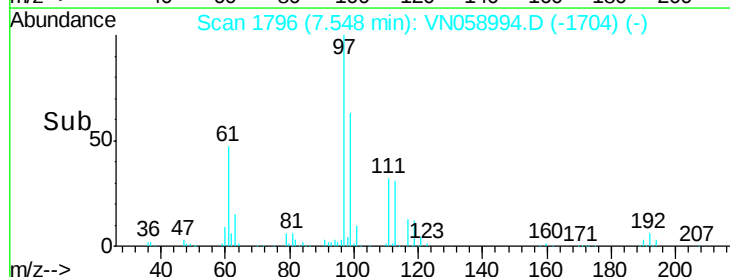
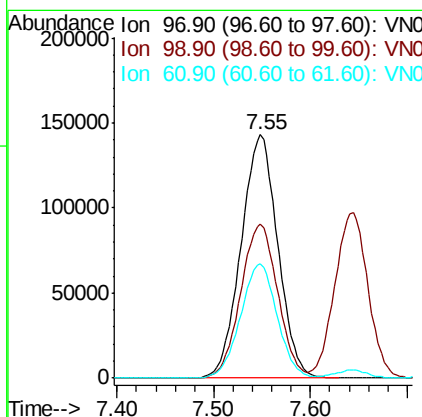
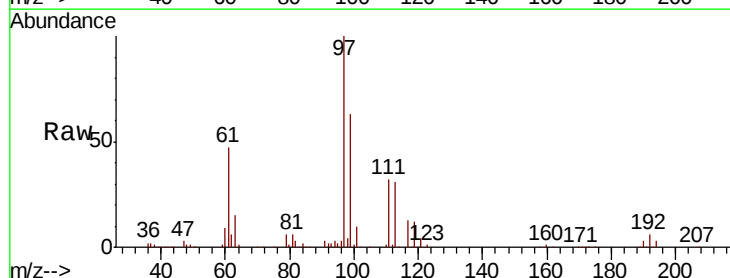
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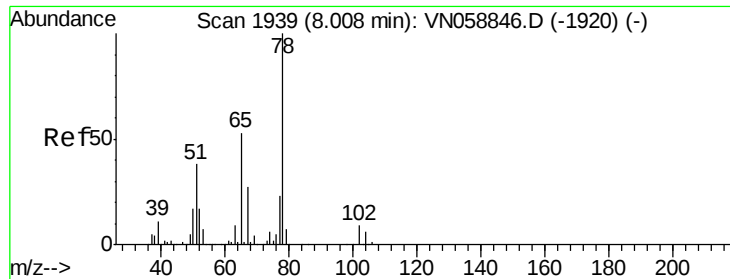
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.761 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	46.8	38.6	58.0





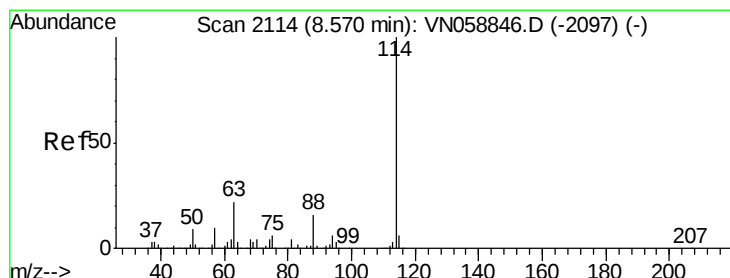
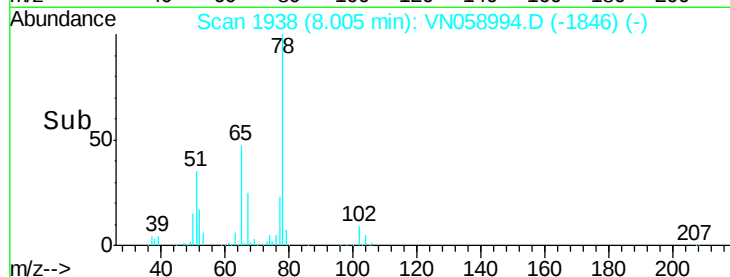
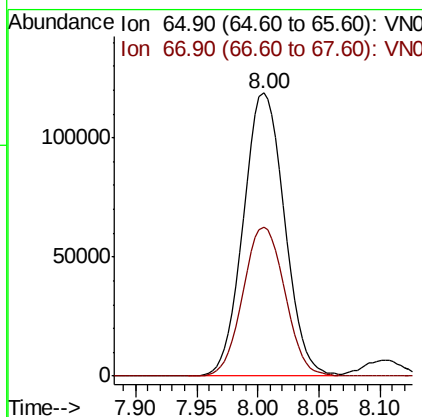
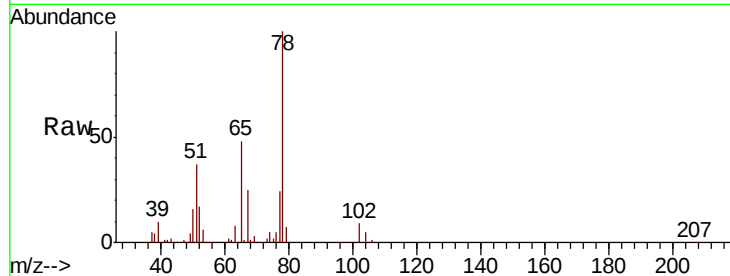
#33
 1,2-Dichloroethane-d4
 Concen: 47.777 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	277915		
67	53.5	0.0	103.2	

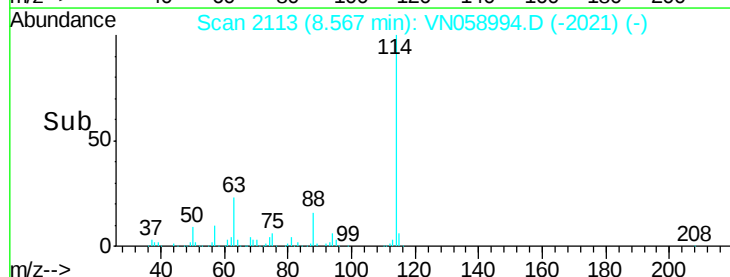
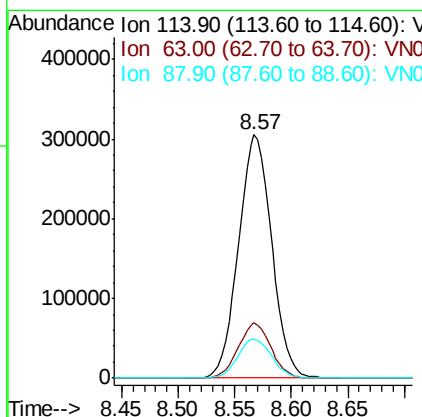
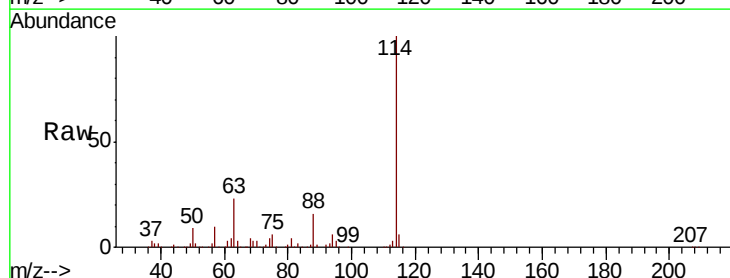
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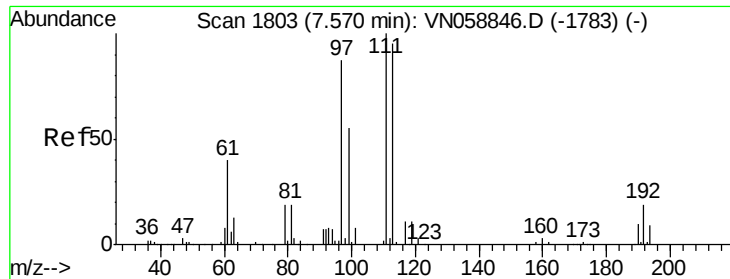
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	624221		
63	22.6	0.0	44.4	
88	16.2	0.0	31.4	





#35

Dibromofluoromethane

Concen: 51.519 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

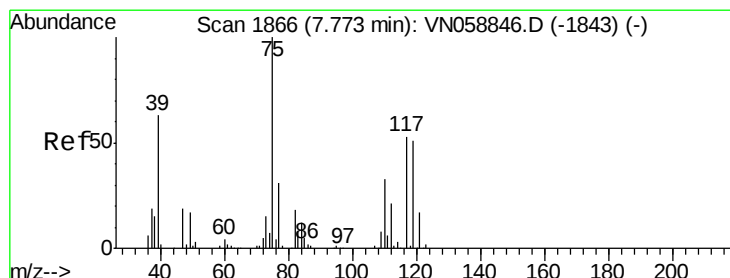
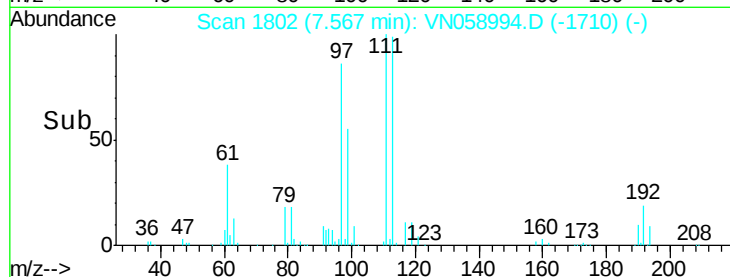
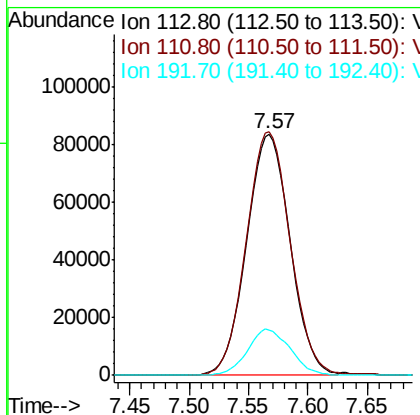
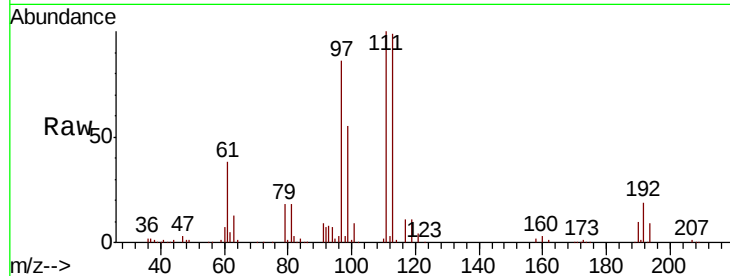
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	211437
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.0	123.0
192	19.0	15.0	22.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.434 ug/l

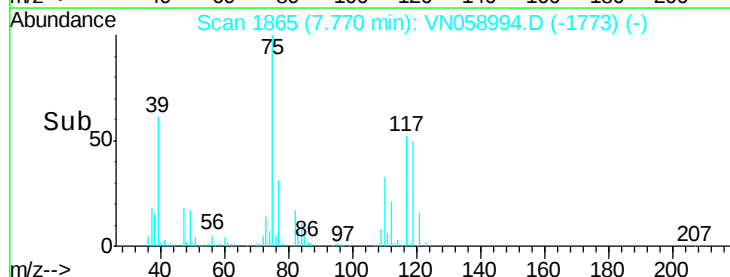
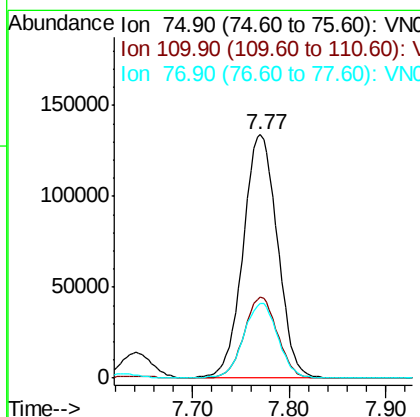
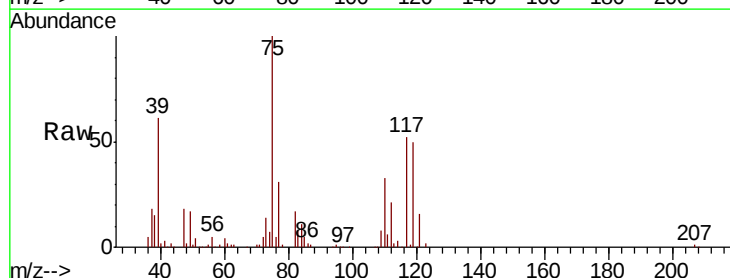
RT: 7.77 min Scan# 1865

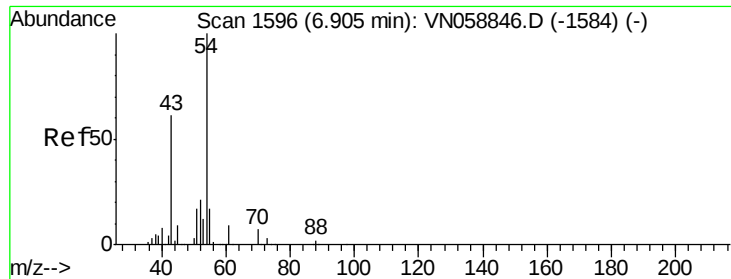
Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Tgt Ion:	75	Resp:	328699
Ion Ratio	Lower	Upper	
75	100		
110	32.5	16.3	48.9
77	30.9	24.6	36.8





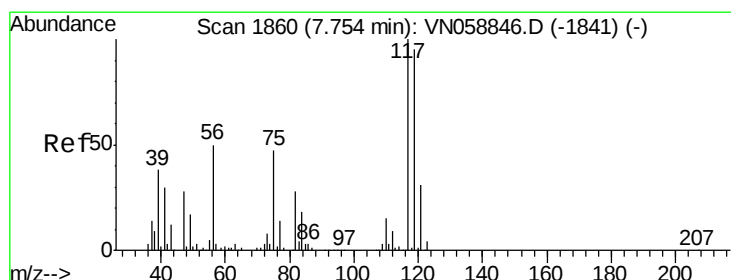
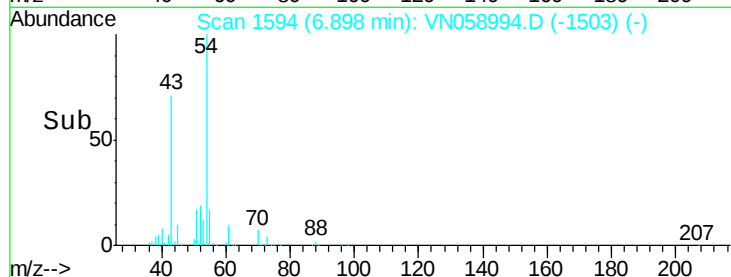
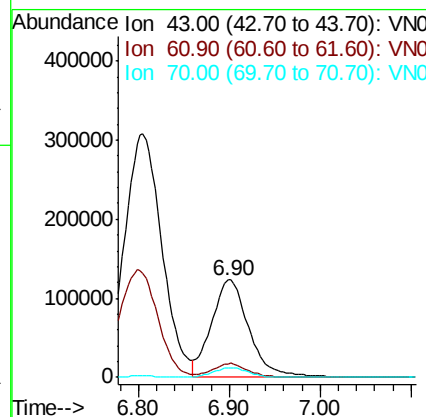
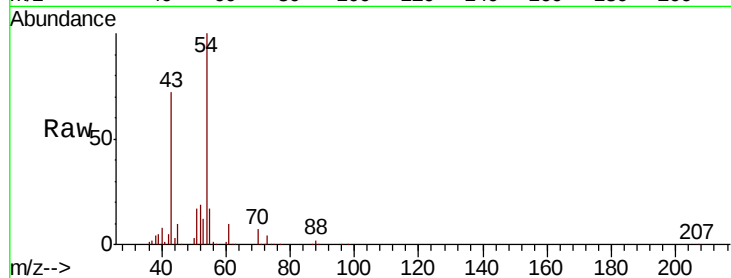
#37
Ethyl Acetate
Concen: 49.693 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.7	7.6	11.4

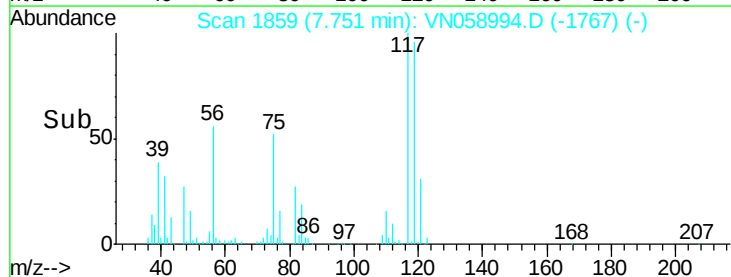
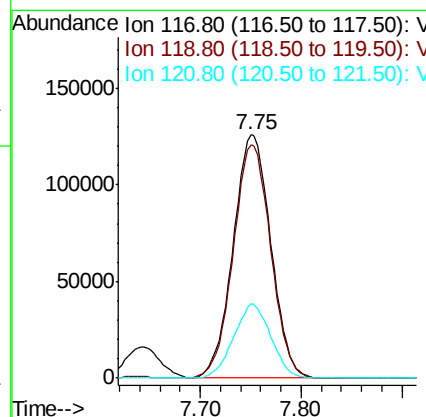
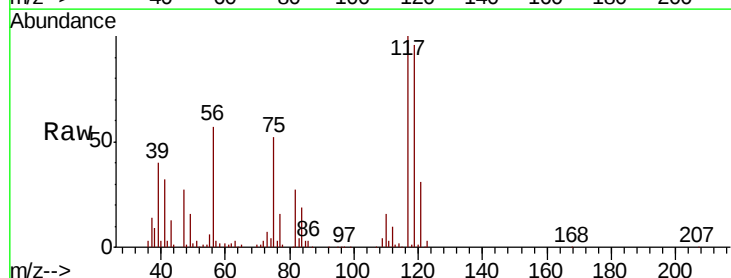
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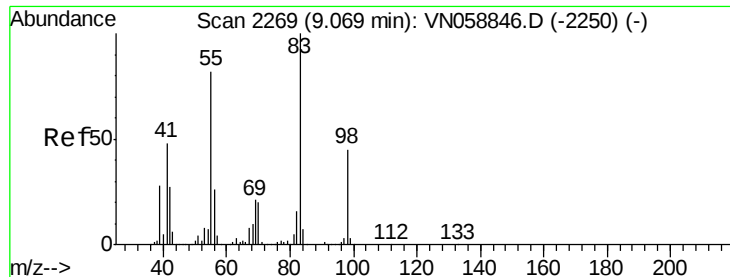
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#38
Carbon Tetrachloride
Concen: 49.570 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.7	113.5
121	30.6	25.0	37.6





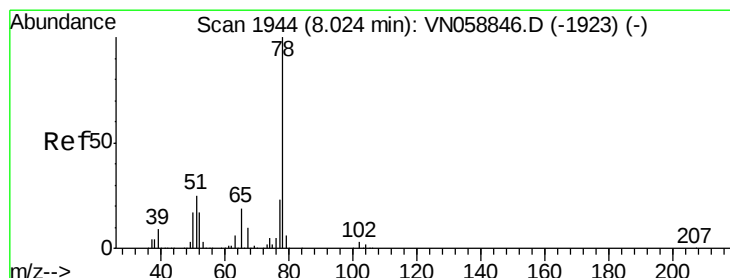
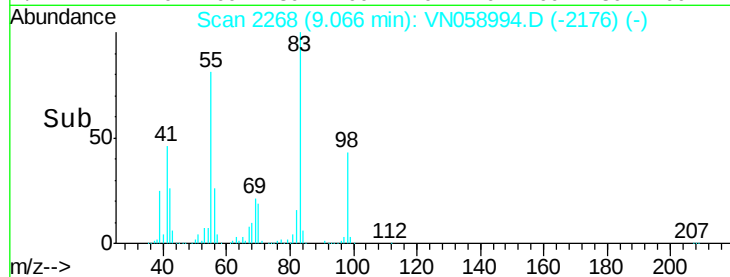
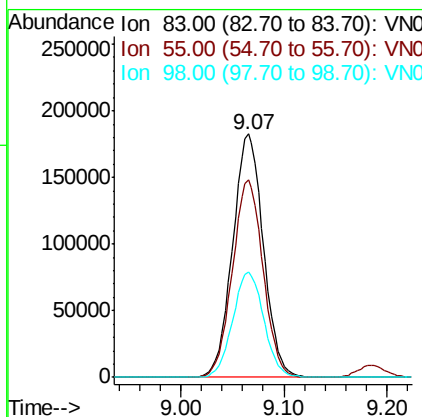
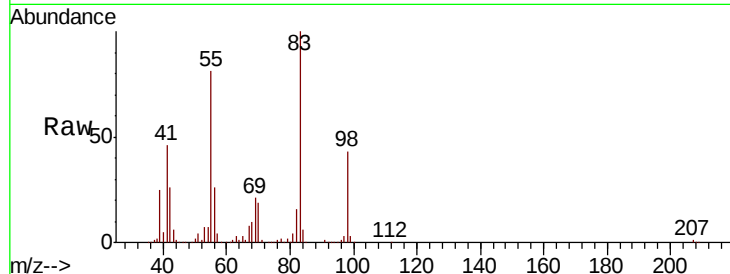
#39
Methvlcvclohexane
Concen: 52.711 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	65.5	98.3
98	43.2	35.7	53.5

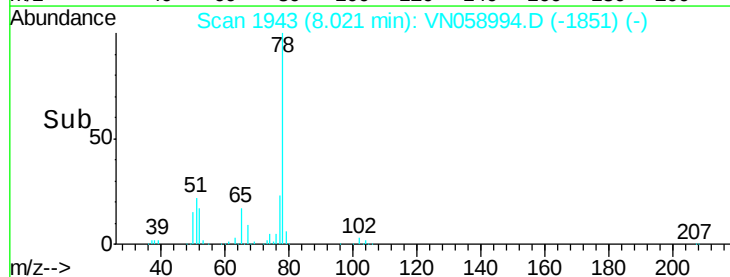
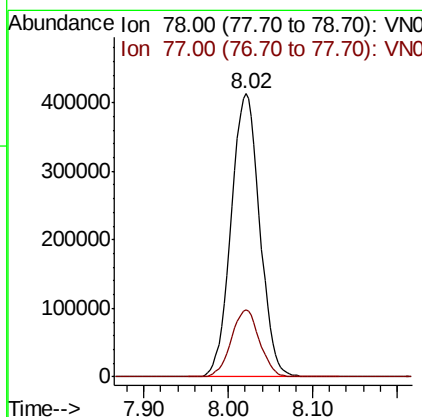
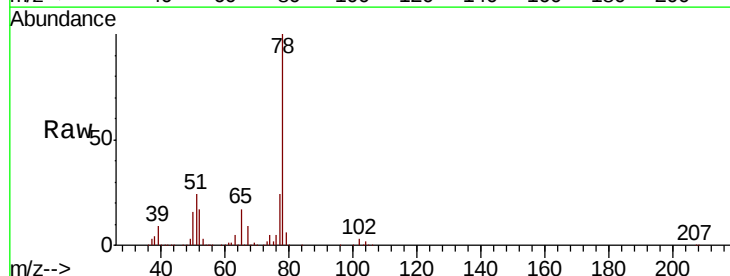
Manual Integrations
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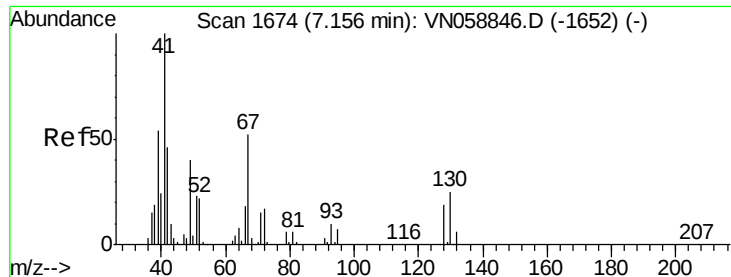
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#40
Benzene
Concen: 51.992 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.2	27.2





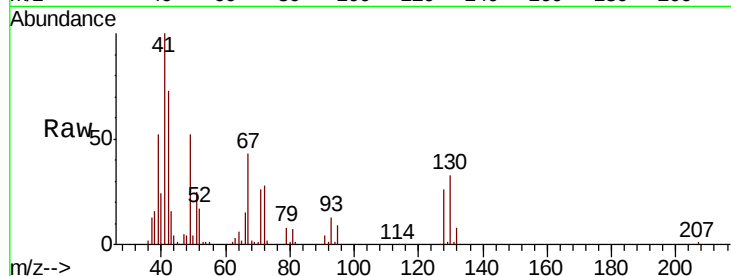
#41
Methacrylonitrile
Concen: 57.422 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

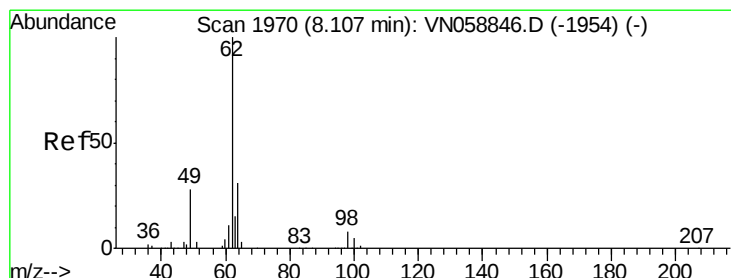
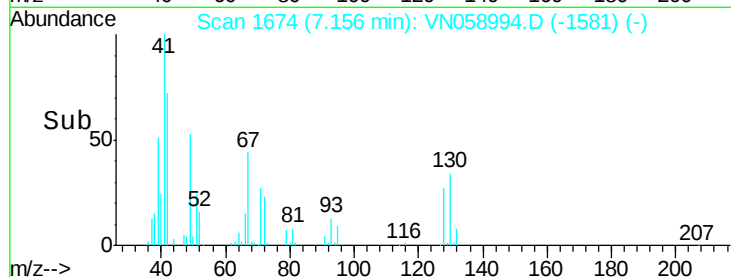
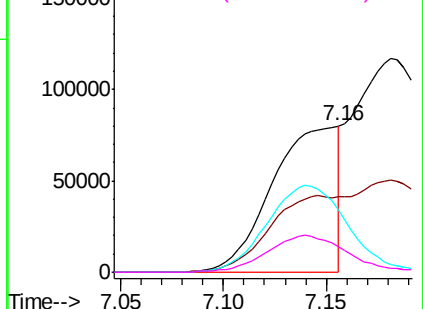
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	0.0	0.0	
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

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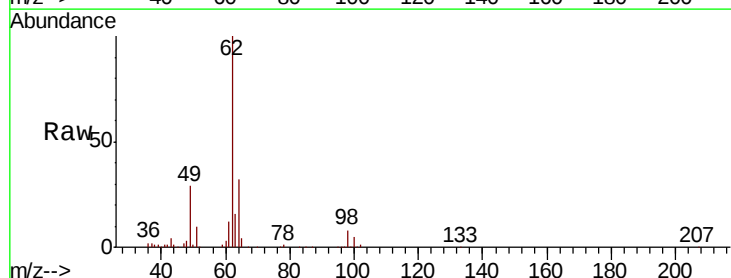


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

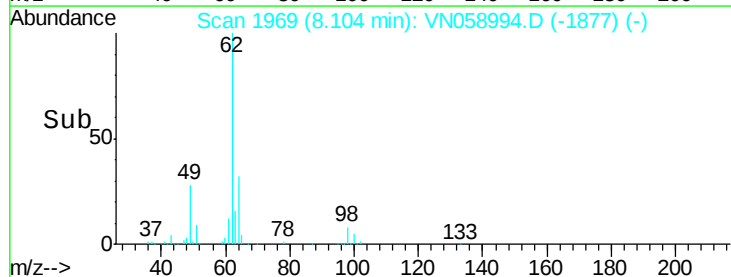
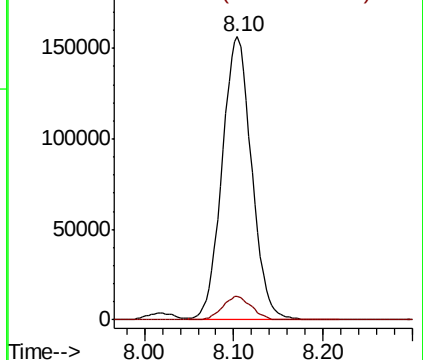


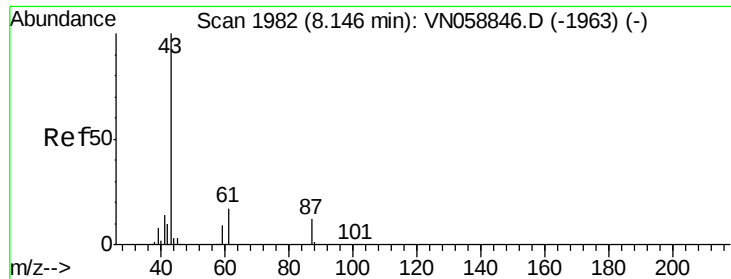
#42
1,2-Dichloroethane
Concen: 49.708 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	16.2	



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





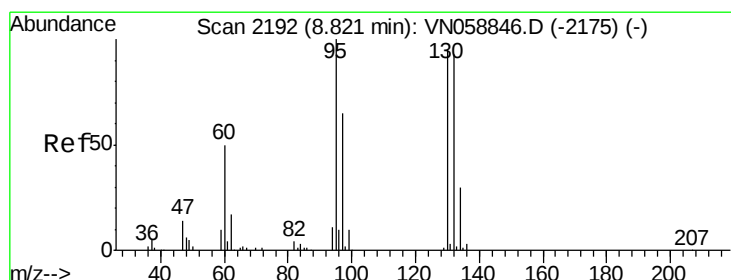
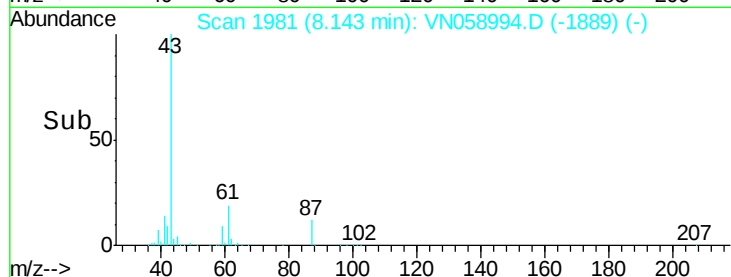
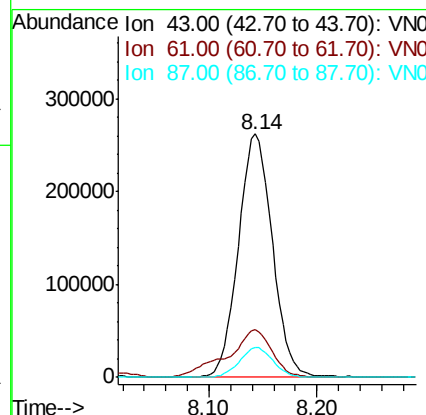
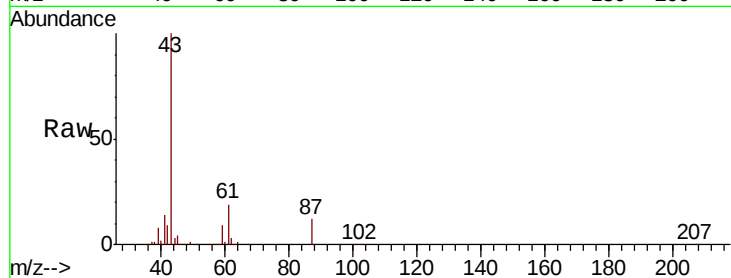
#43
Isopropyl Acetate
Concen: 51.414 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.2	30.2
87	12.4	9.5	14.3

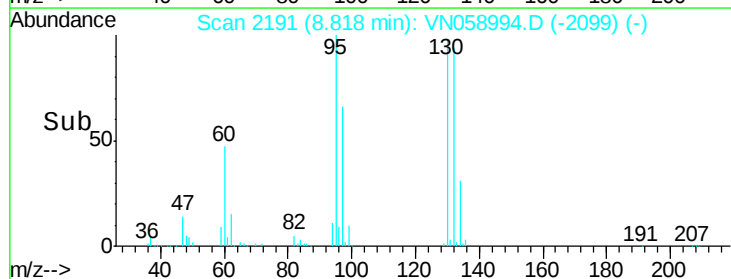
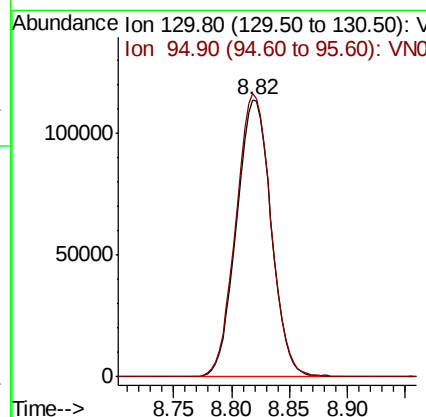
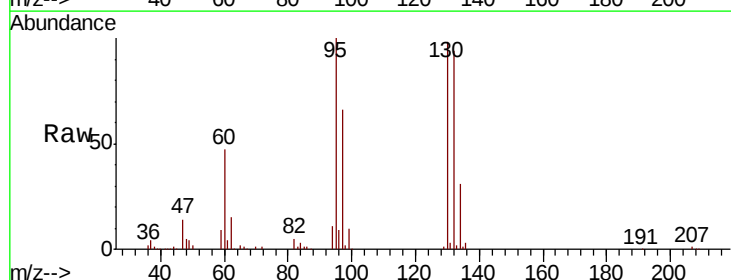
Manual Integrations
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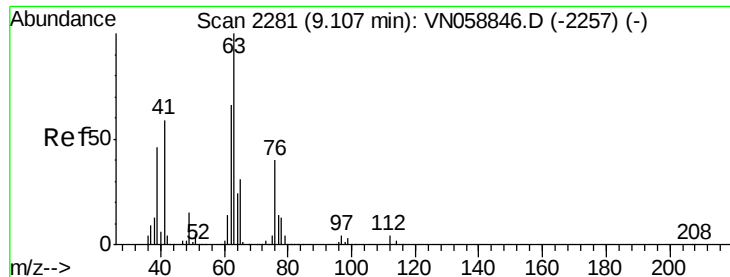
MMDadoda
10/30/2019 3:53:12 PM



#44
Trichloroethene
Concen: 51.528 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	209.6





#45

1,2-Dichloropropane

Concen: 53.205 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 273790

Ion Ratio Lower Upper

63 100

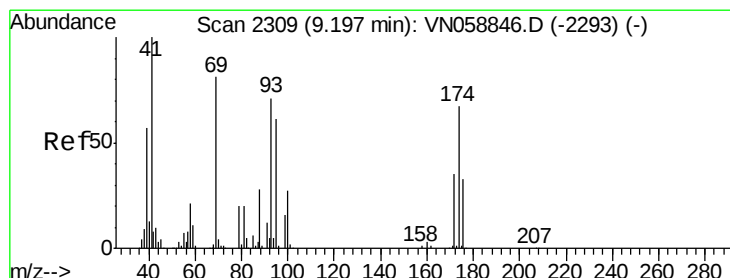
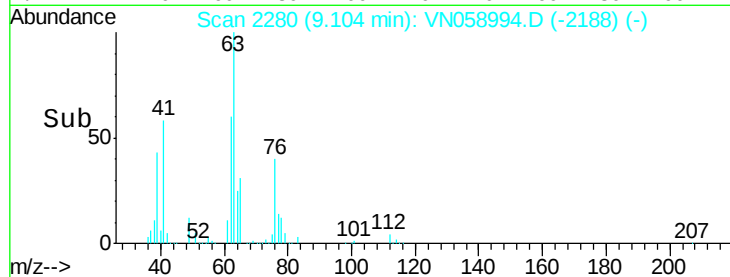
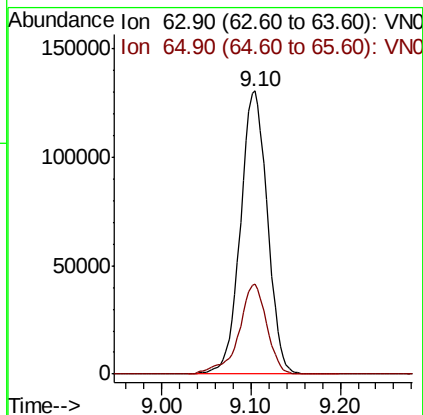
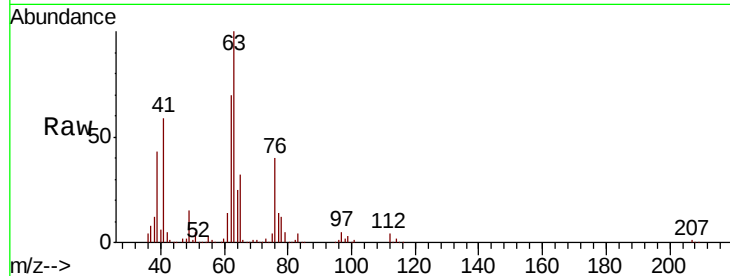
65 31.7 24.5 36.7

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#46

Dibromomethane

Concen: 51.266 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

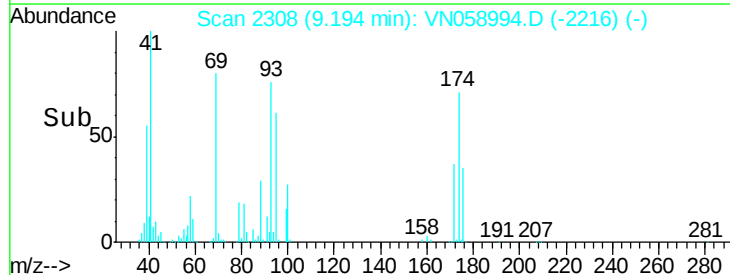
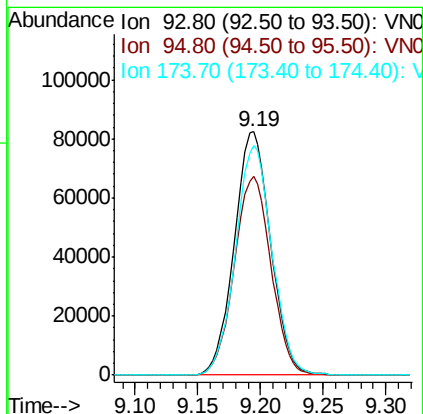
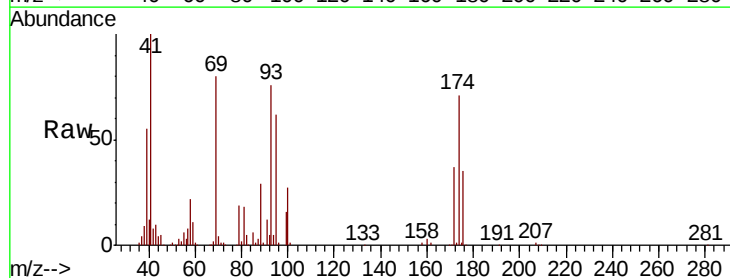
Tgt Ion: 93 Resp: 166777

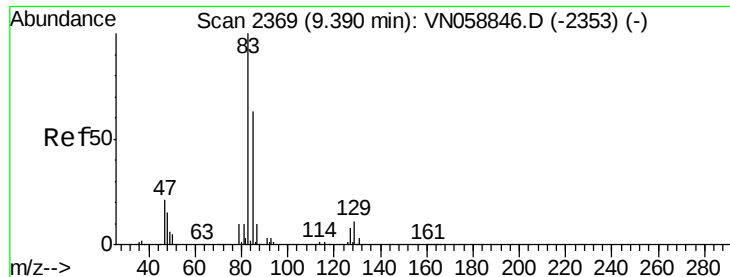
Ion Ratio Lower Upper

93 100

95 82.4 67.6 101.4

174 94.3 74.1 111.1





#47

Bromodichloromethane

Concen: 52.581 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

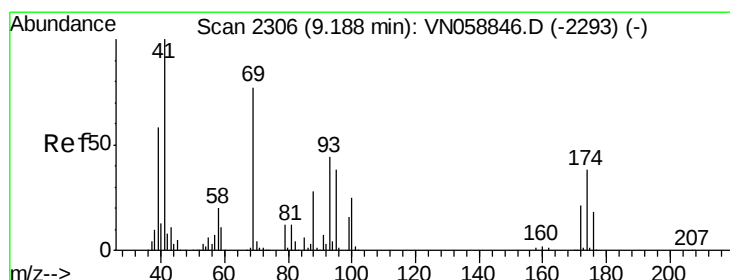
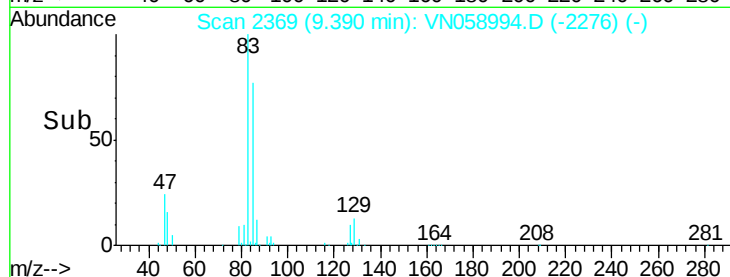
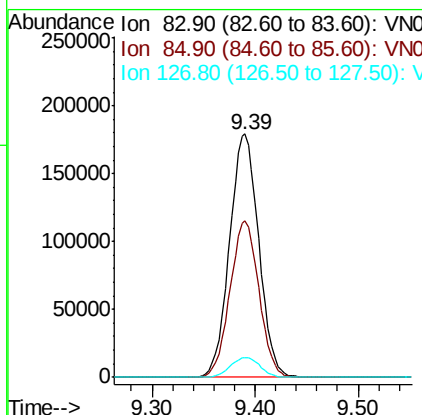
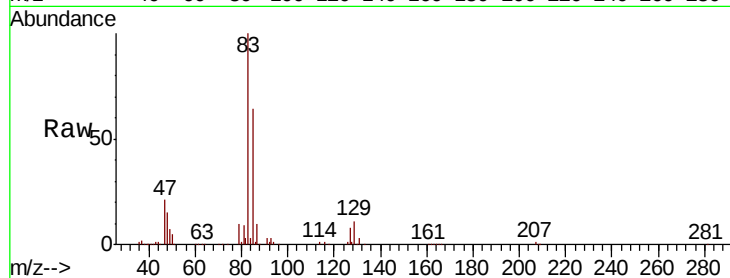
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	352553
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.6	75.8
127	8.1	6.5	9.7

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#48

Methyl methacrylate

Concen: 52.370 ug/l

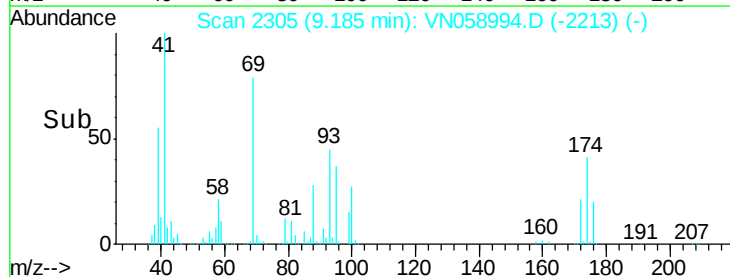
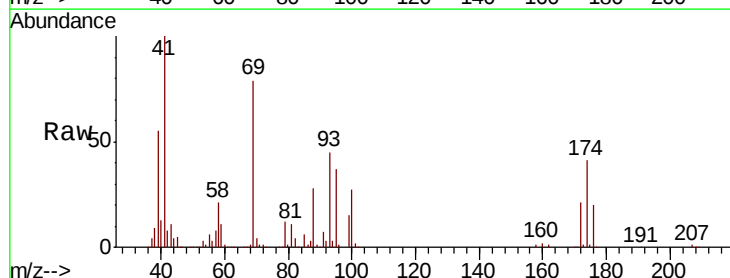
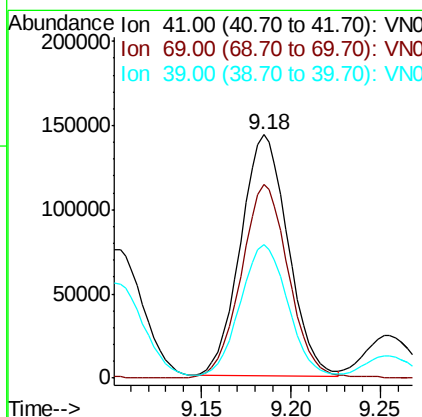
RT: 9.18 min Scan# 2305

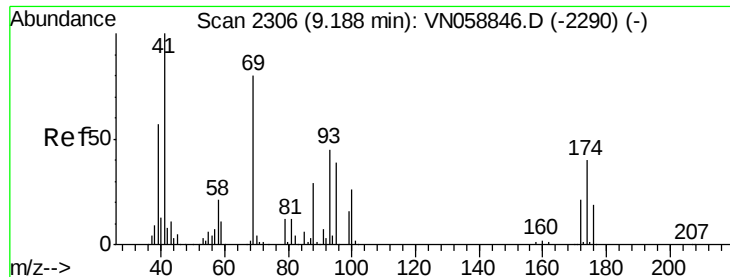
Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Tgt Ion:	41	Resp:	265353
Ion Ratio	Lower	Upper	
41	100		
69	81.0	63.8	95.6
39	56.3	47.8	71.8





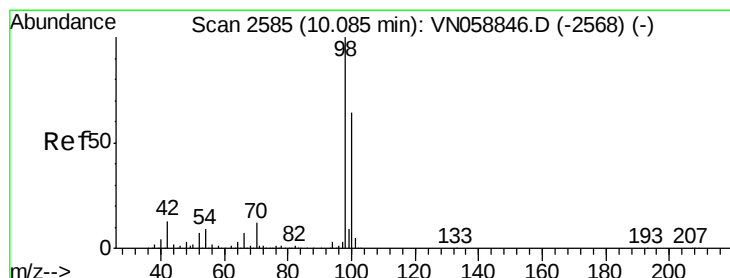
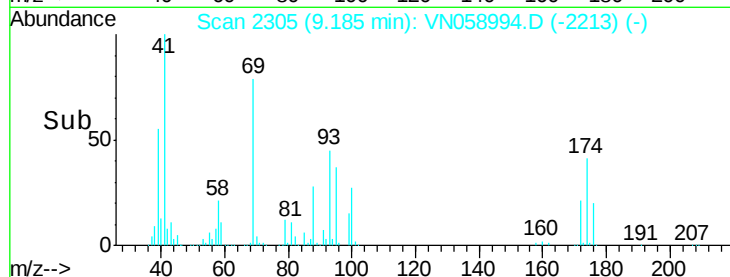
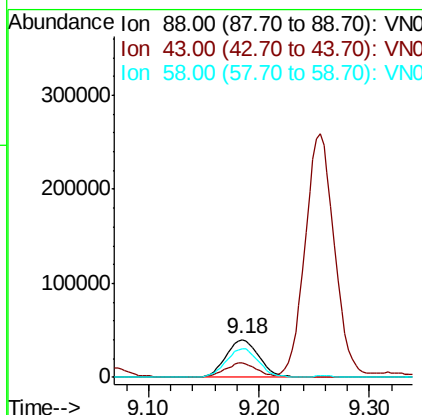
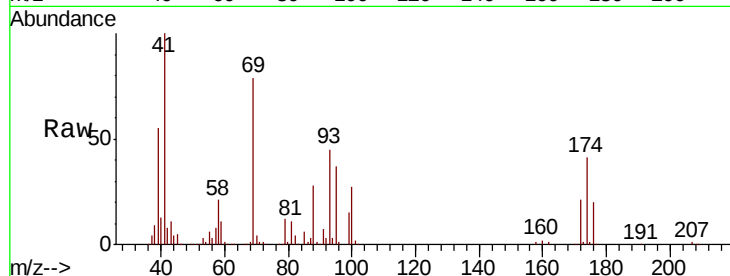
#49
1,4-Dioxane
Concen: 1014.926 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	84418
Ion Ratio	Lower	Upper	
88	100		
43	34.6	29.1	43.7
58	73.9	59.4	89.0

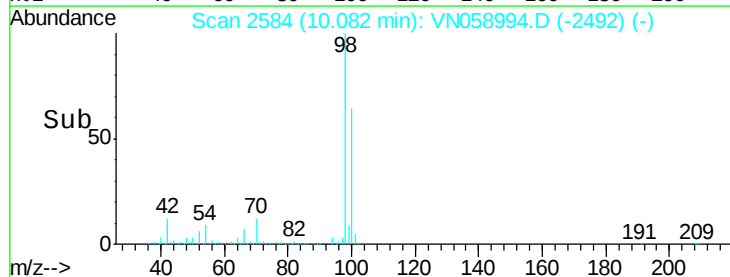
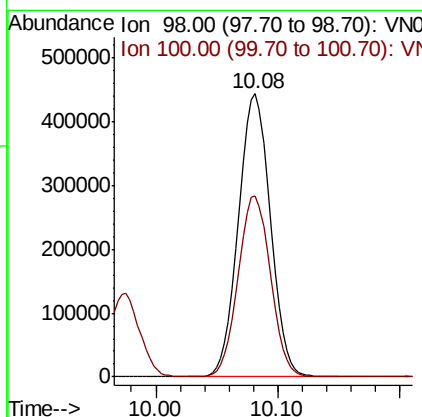
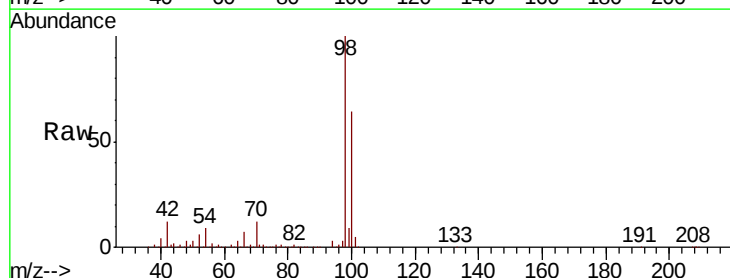
Manual Integrations
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#50
Toluene-d8
Concen: 50.488 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	98	Resp	804345
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 267.946 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1747826

Ion Ratio Lower Upper

43 100

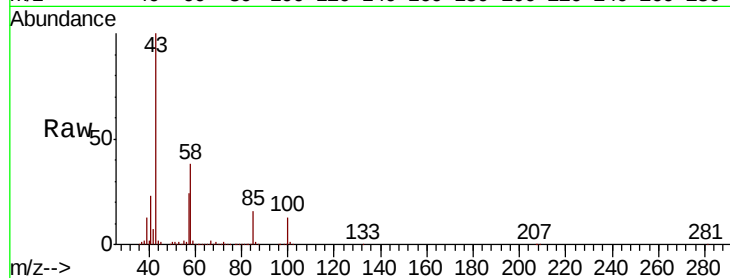
58 38.2 29.9 44.9

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Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.97

1000000

800000

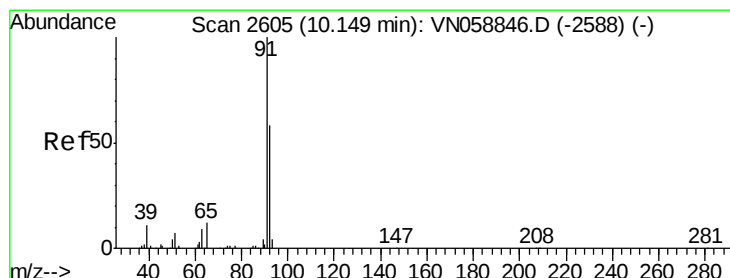
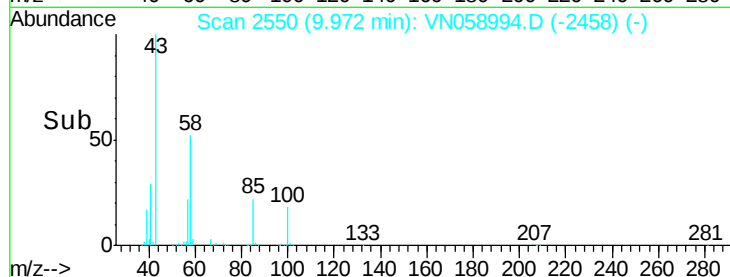
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.994 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058994.D

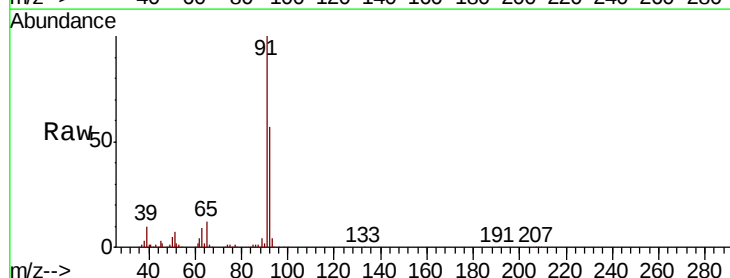
Acq: 28 Oct 2019 14:42

Tgt Ion: 92 Resp: 600882

Ion Ratio Lower Upper

92 100

91 173.9 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

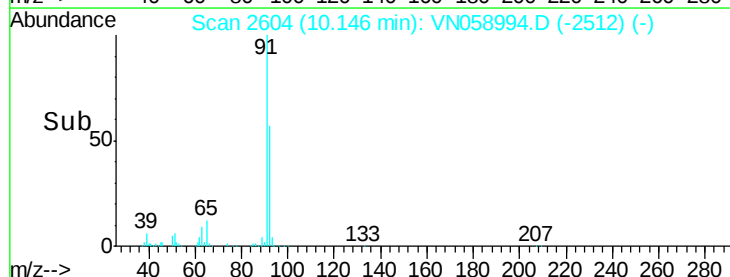
600000

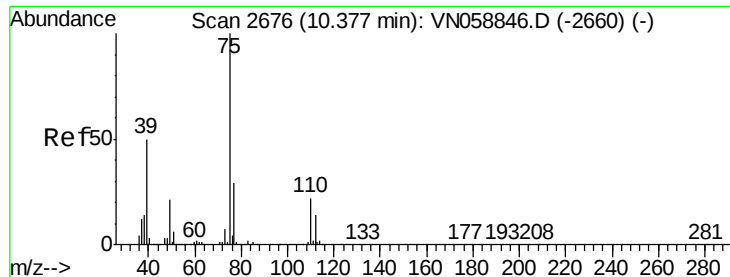
400000

200000

0

Time-->





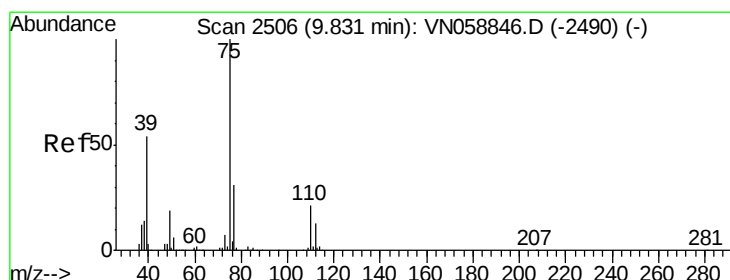
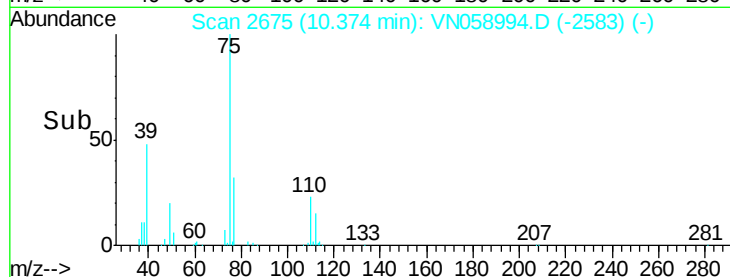
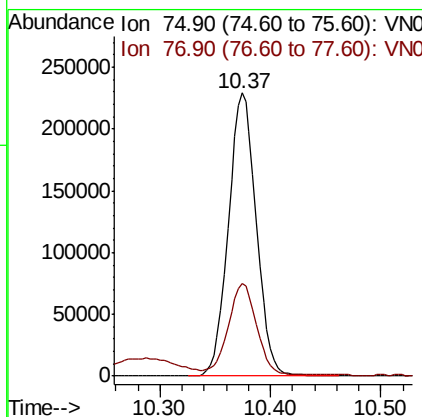
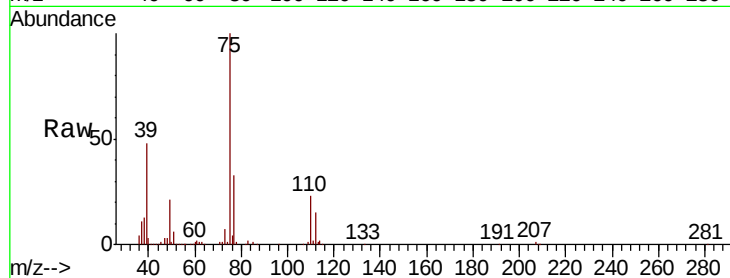
#53
t-1,3-Dichloropropene
Concen: 54.047 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 401170
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5

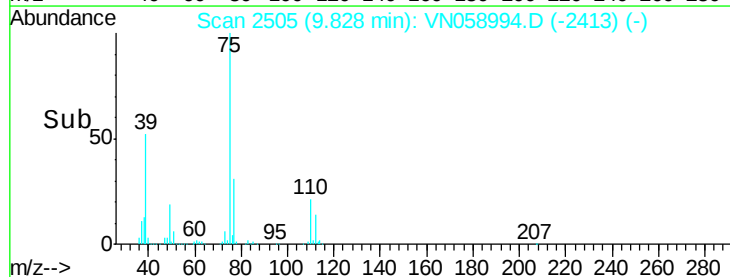
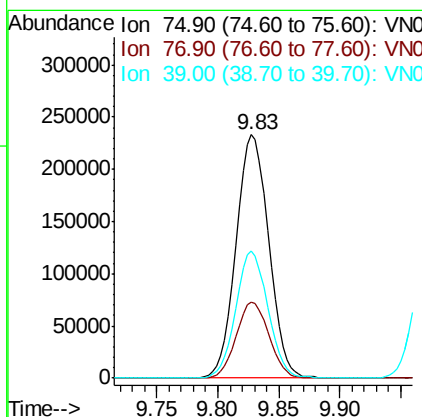
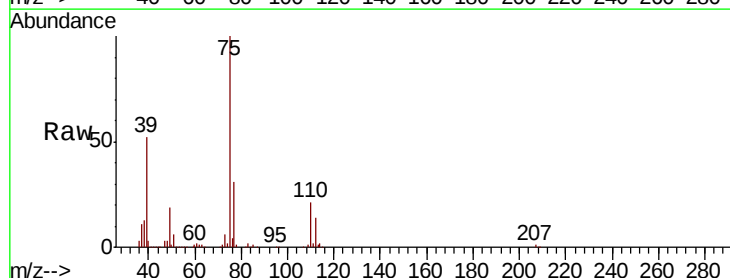
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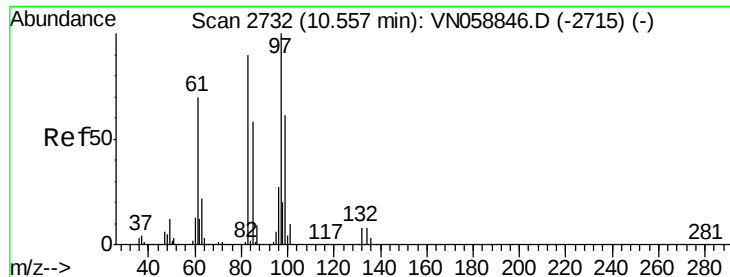
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.554 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion: 75 Resp: 432615
Ion Ratio Lower Upper
75 100
77 31.4 24.7 37.1
39 52.0 43.5 65.3





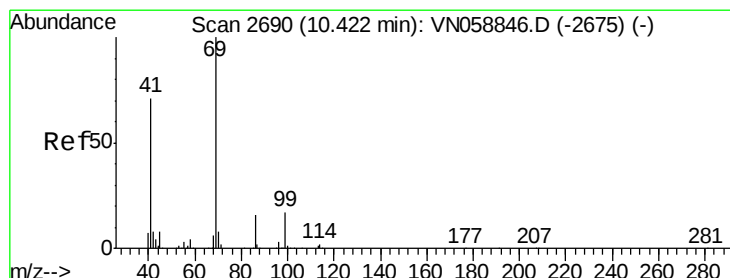
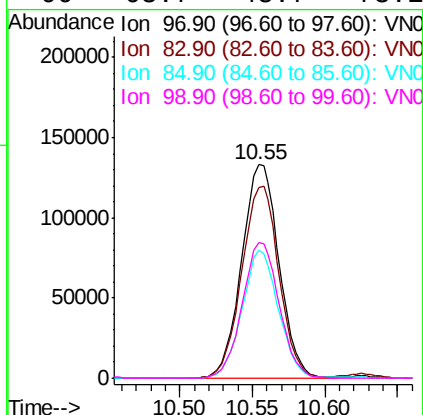
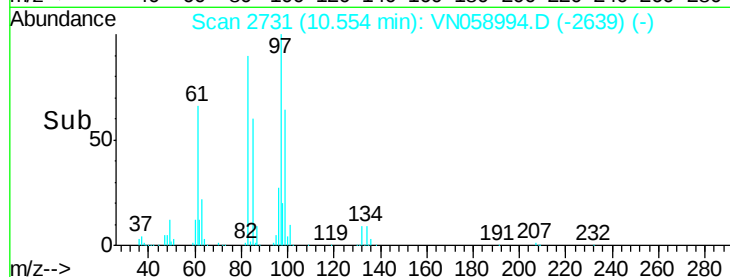
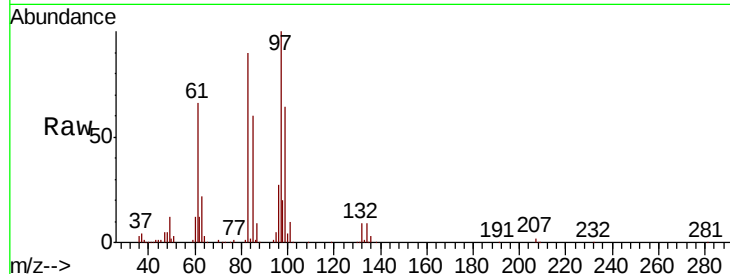
#55
 1,1,2-Trichloroethane
 Concen: 52.066 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	238695
Ion	Ratio	Lower	Upper
97	100		
83	89.6	72.2	108.4
85	60.1	46.2	69.2
99	63.7	48.7	73.1

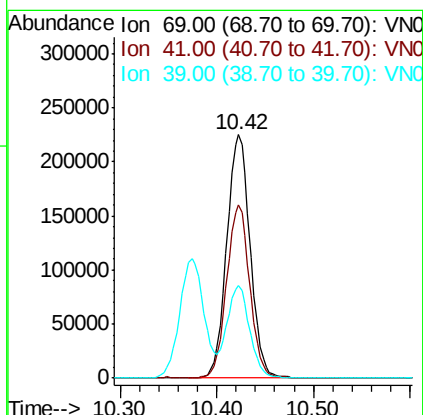
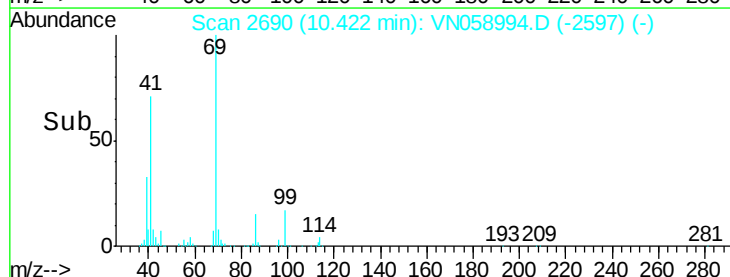
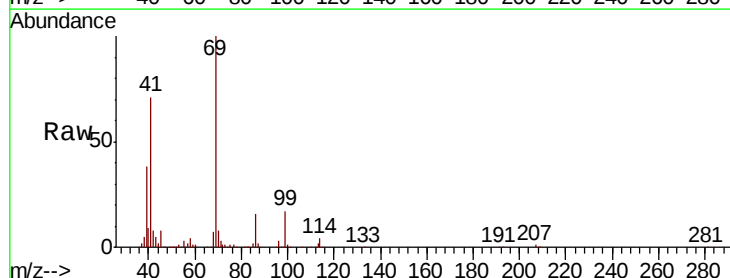
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 49.090 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion:	69	Resp:	377729
Ion	Ratio	Lower	Upper
69	100		
41	69.6	57.2	85.8
39	37.0	31.0	46.4





#57

1,3-Dichloropropane

Concen: 52.419 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 421781

Ion Ratio Lower Upper

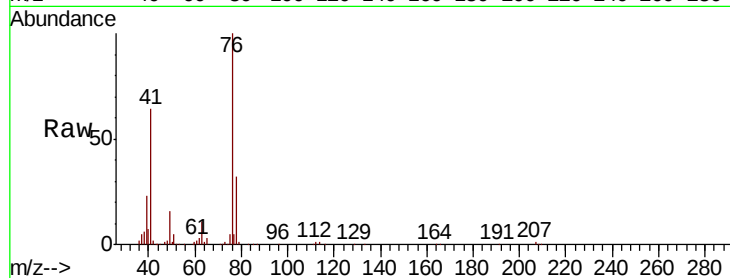
76 100

78 32.5 25.4 38.0

Manual Integrations
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10/30/2019 3:53:12 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

150000

100000

50000

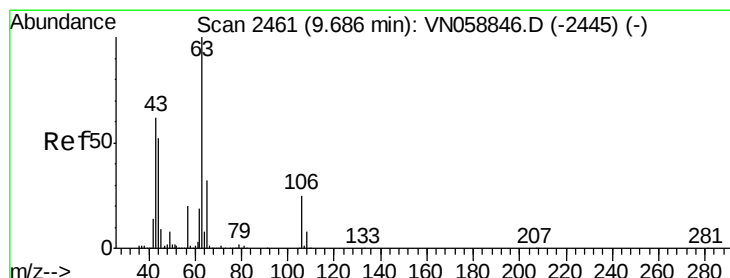
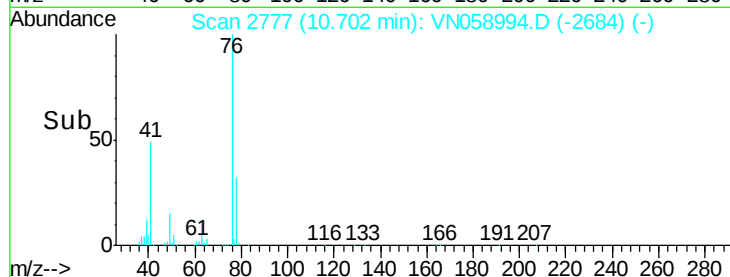
0

10.60

10.70

10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 249.549 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN058994.D

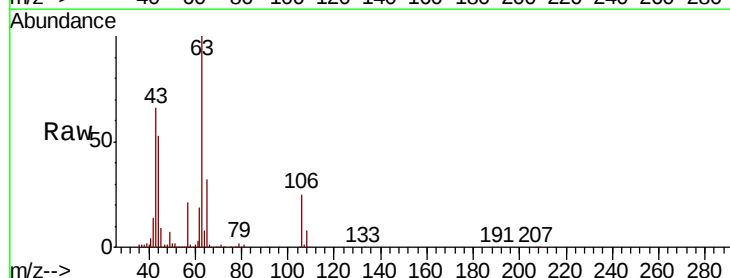
Acq: 28 Oct 2019 14:42

Tgt Ion: 63 Resp: 811473

Ion Ratio Lower Upper

63 100

106 24.7 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

500000

400000

300000

200000

100000

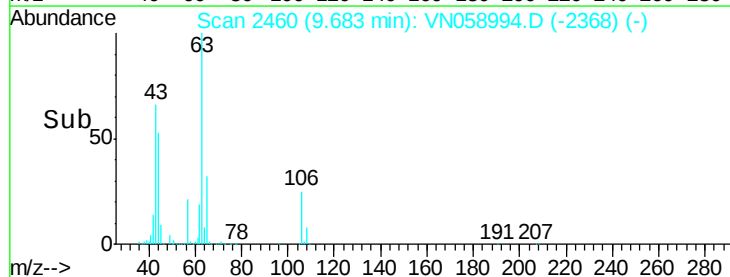
0

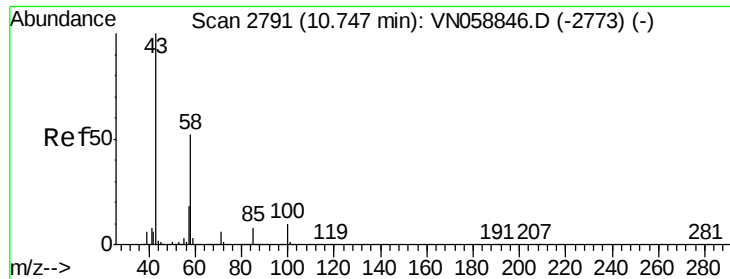
9.60

9.70

9.80

Time-->





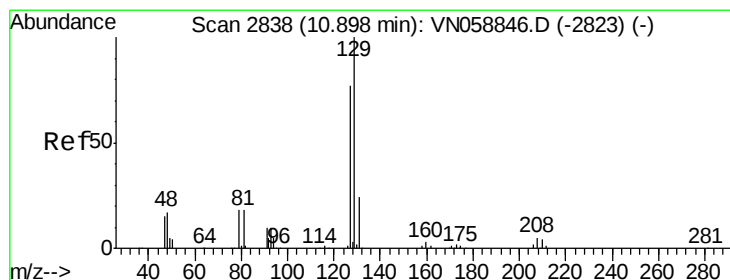
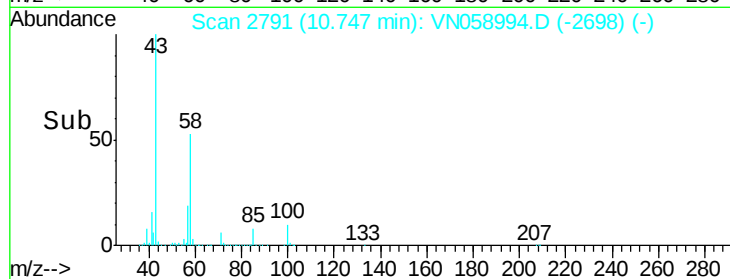
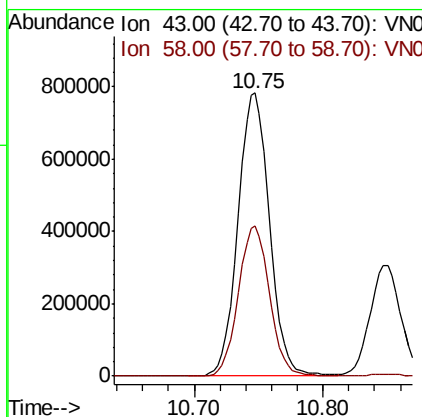
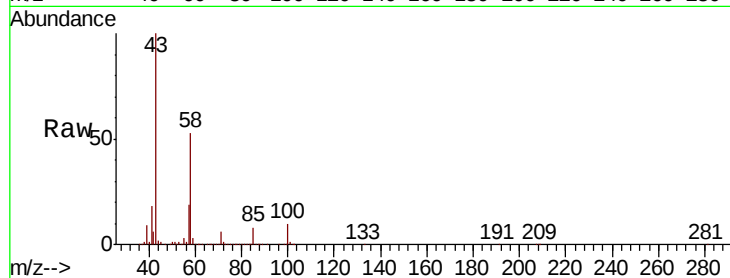
#59
2-Hexanone
Concen: 262.715 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1324235
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.7

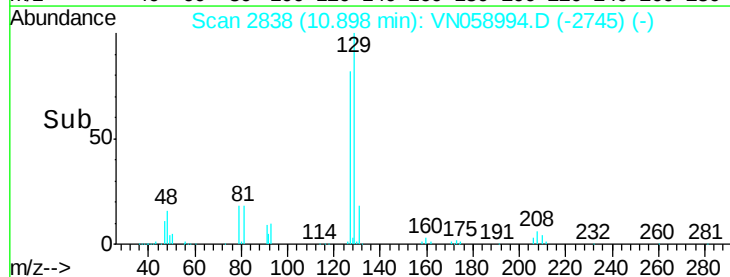
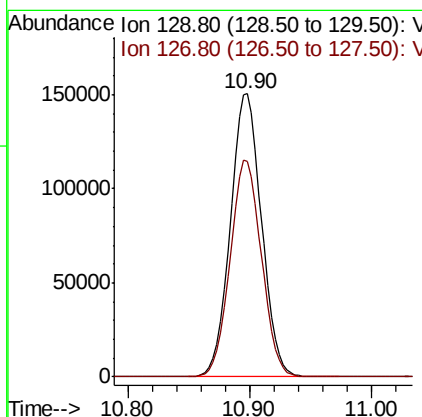
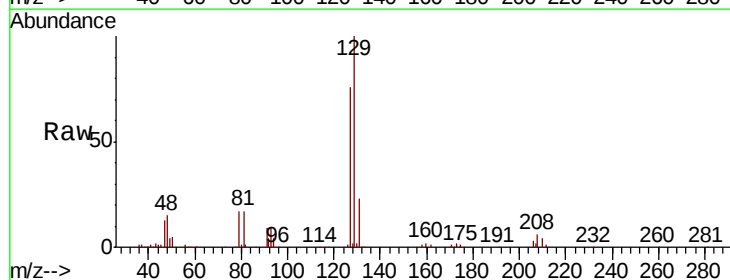
Manual Integrations
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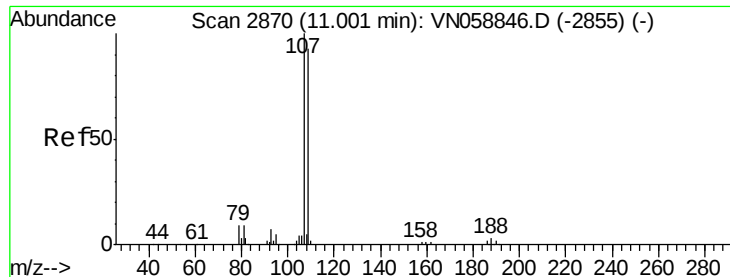
MMDadoda
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#60
Dibromochloromethane
Concen: 54.144 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion: 129 Resp: 267179
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3





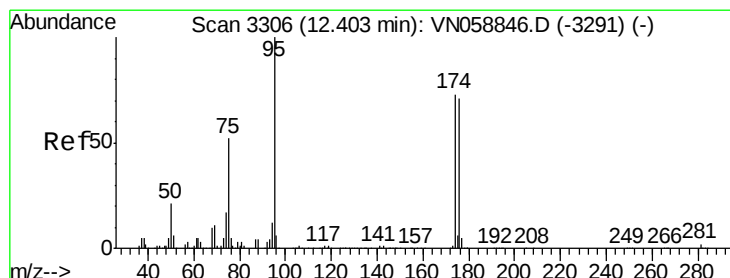
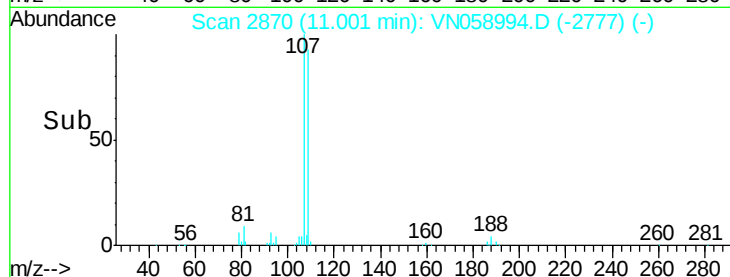
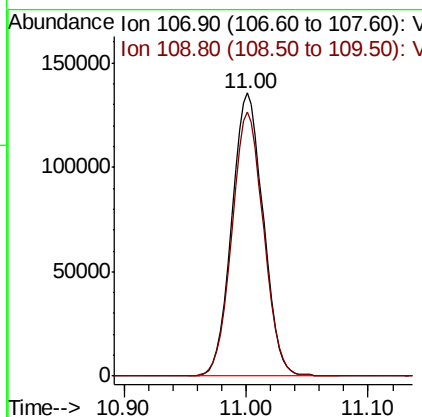
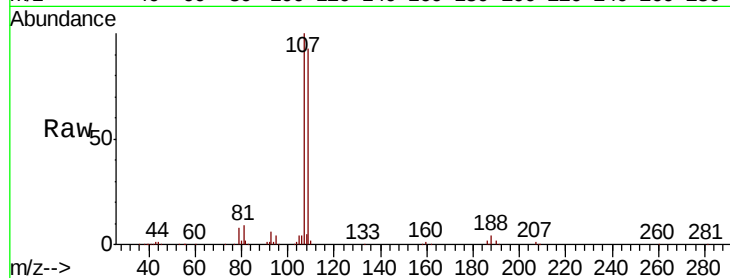
#61
 1,2-Dibromoethane
 Concen: 51.825 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.2	112.8

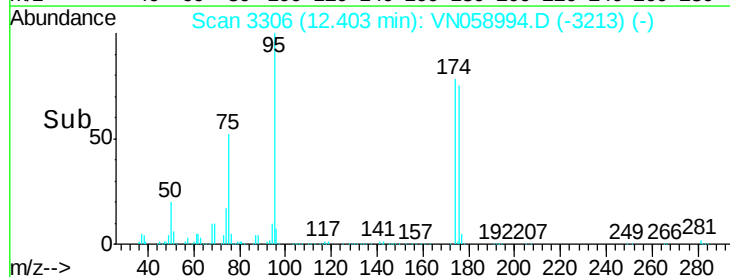
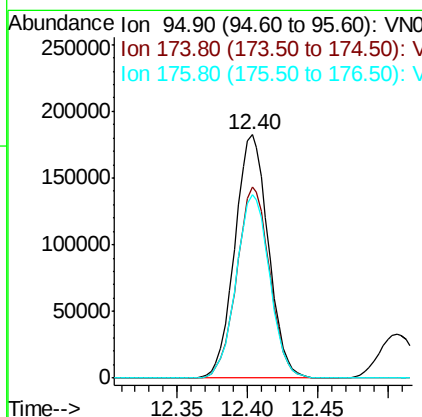
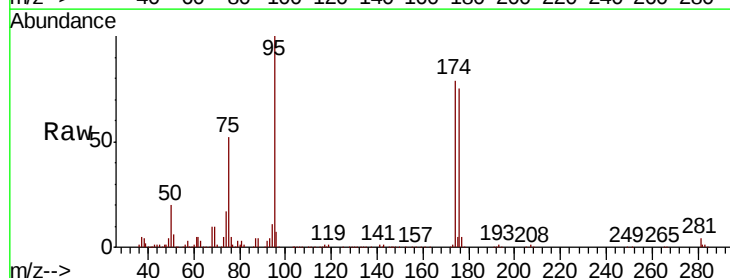
Manual Integrations
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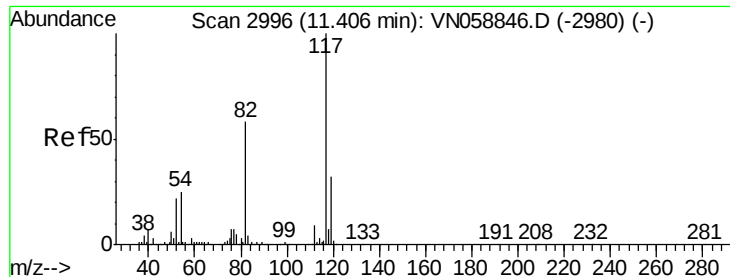
MMDadoda
 10/30/2019 3:53:12 PM



#62
 4-Bromofluorobenzene
 Concen: 51.952 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	147.6
176	75.5	0.0	143.2





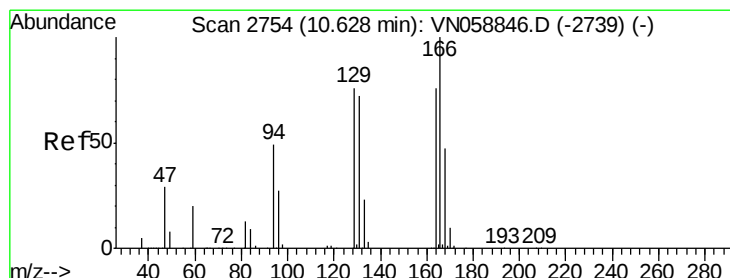
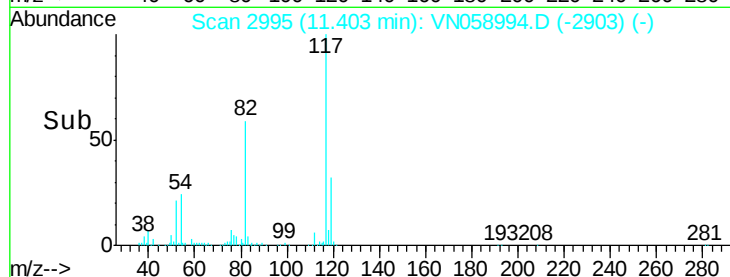
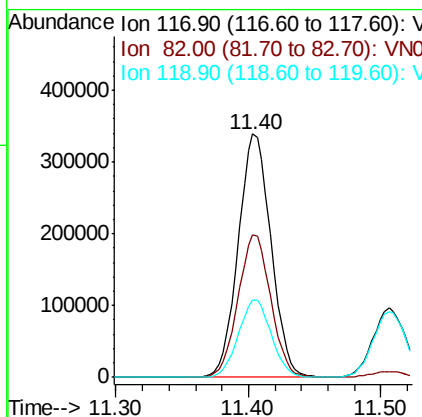
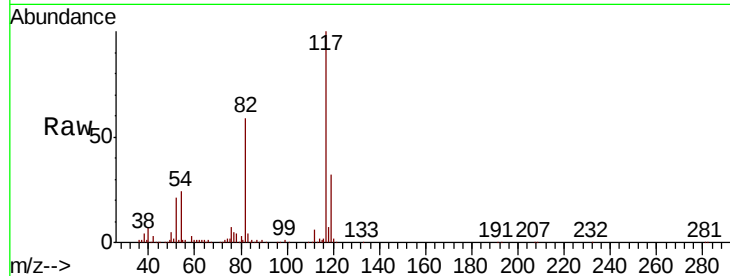
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.6	69.8
119	31.7	25.6	38.4

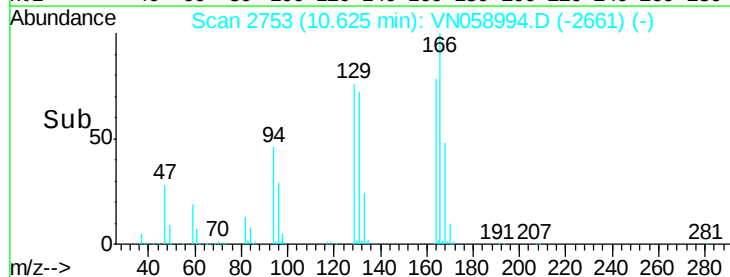
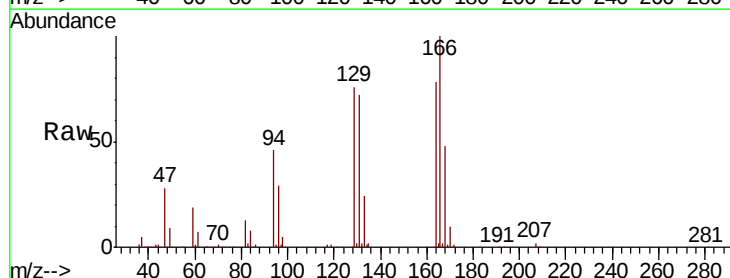
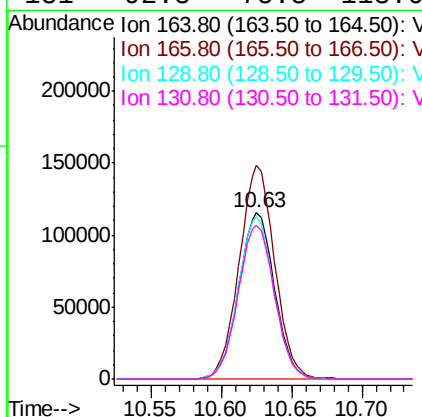
Manual Integrations
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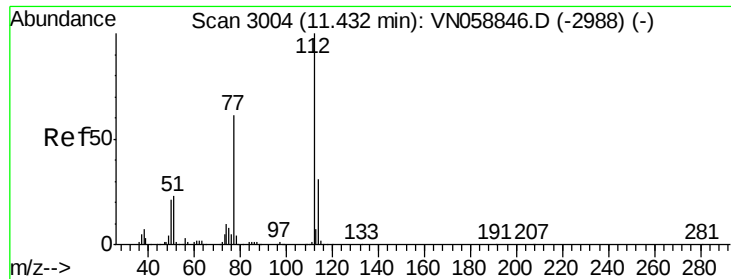
MMDadoda
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#64
Tetrachloroethene
Concen: 50.535 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	104.8	157.2
129	97.7	79.3	118.9
131	92.8	75.8	113.6





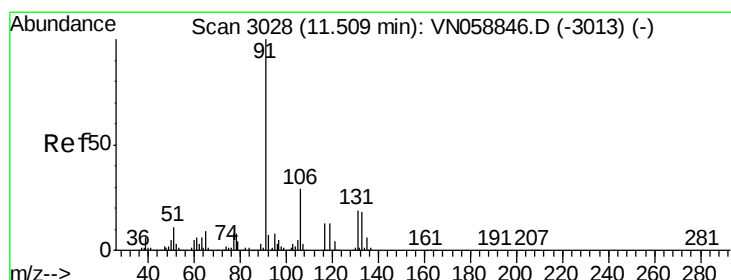
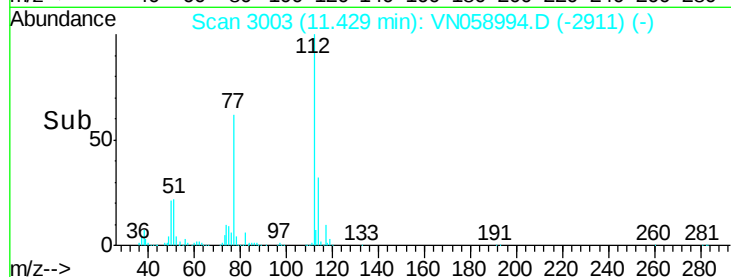
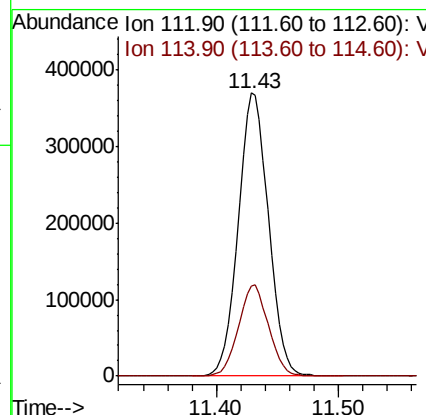
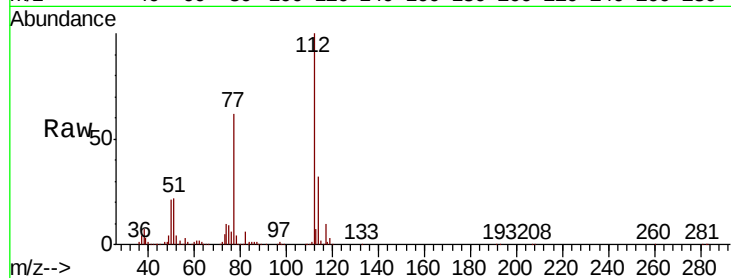
#65
Chlorobenzene
Concen: 53.483 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 633840
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7

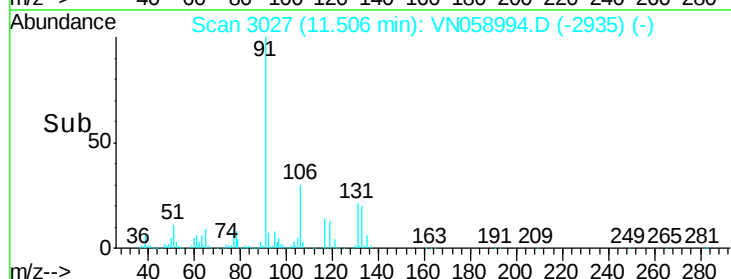
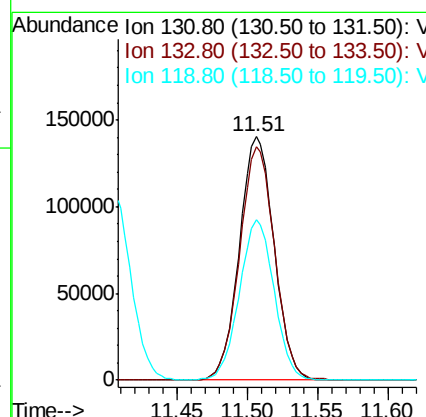
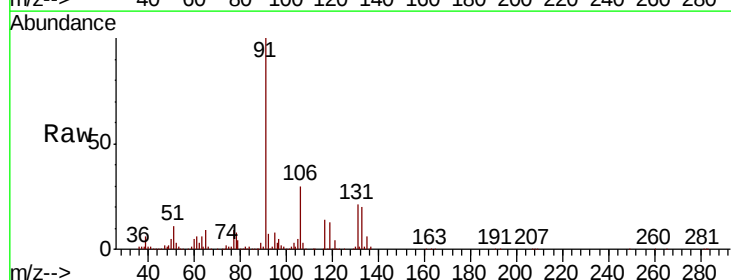
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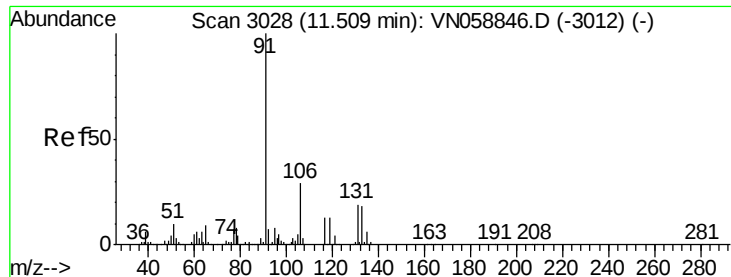
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.124 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion:131 Resp: 242052
Ion Ratio Lower Upper
131 100
133 96.5 48.4 145.2
119 65.7 33.6 100.8





#67

Ethyl Benzene

Concen: 56.174 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1167847

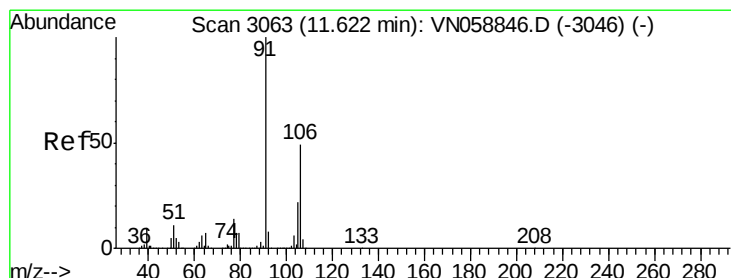
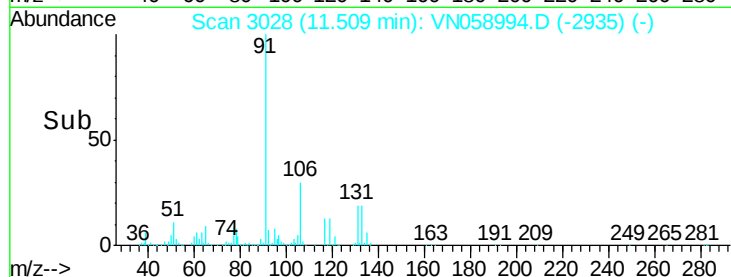
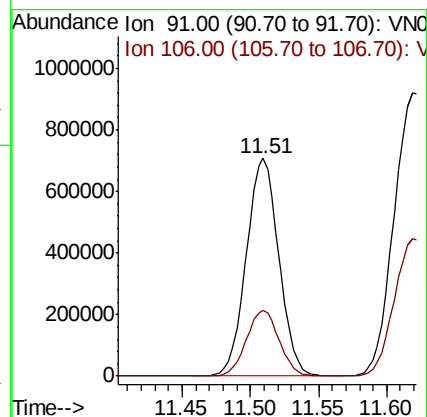
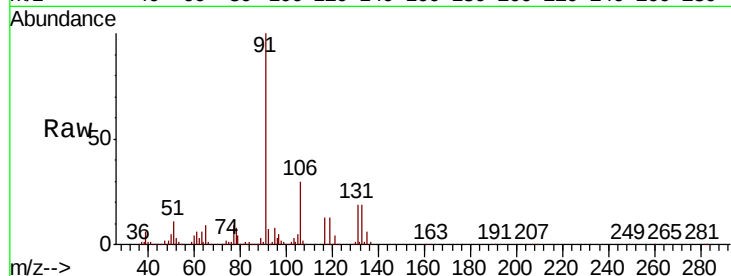
Ion Ratio Lower Upper

91 100

106 30.2 23.4 35.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 112.586 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058994.D

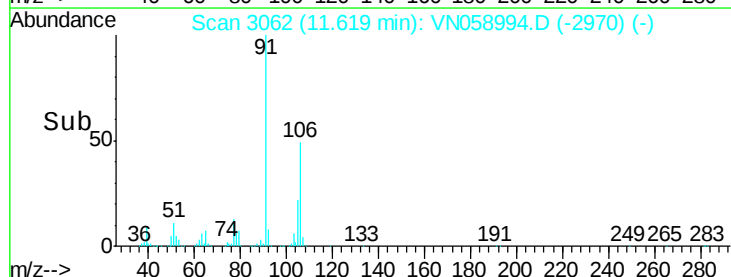
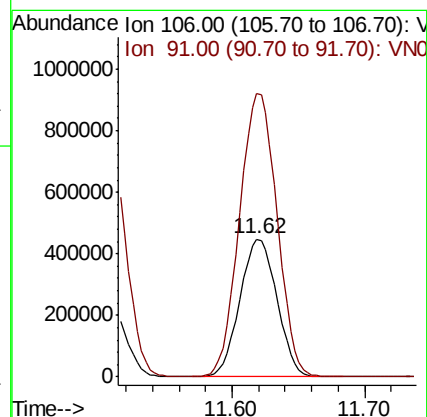
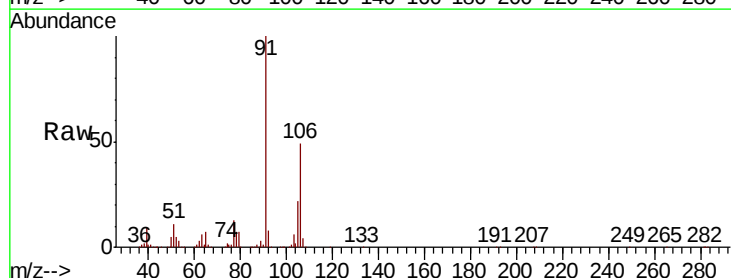
Acq: 28 Oct 2019 14:42

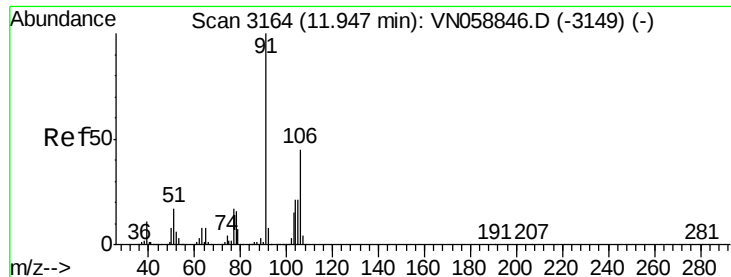
Tgt Ion: 106 Resp: 868021

Ion Ratio Lower Upper

106 100

91 208.6 166.6 249.8





#69

o-Xylene

Concen: 56.337 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 414253

Ion Ratio Lower Upper

106 100

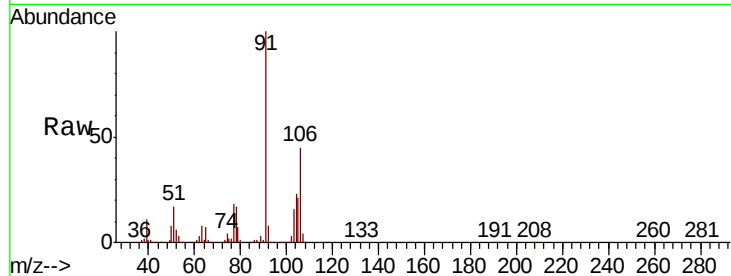
91 220.4 111.5 334.4

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

200000

100000

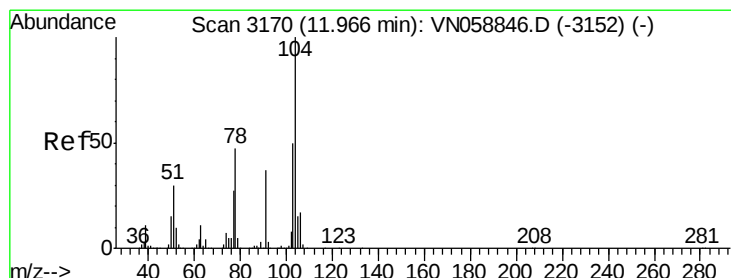
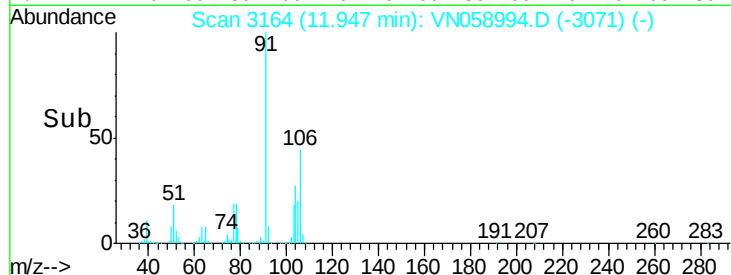
0

11.95

11.90

12.00

Time-->



#70

Styrene

Concen: 51.338 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

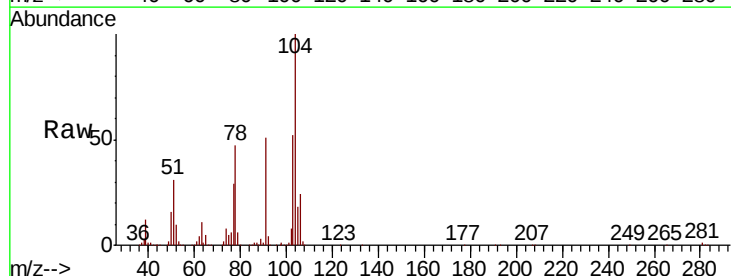
Tgt Ion:104 Resp: 697452

Ion Ratio Lower Upper

104 100

78 52.4 42.8 64.2

103 55.4 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

200000

100000

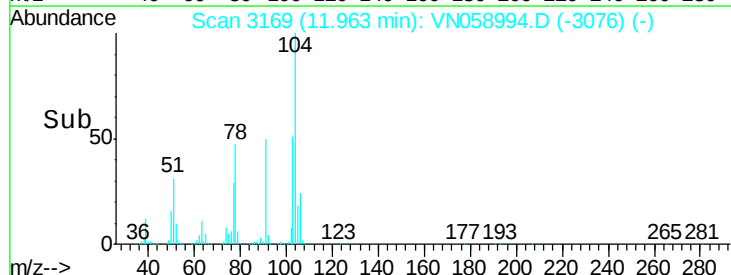
0

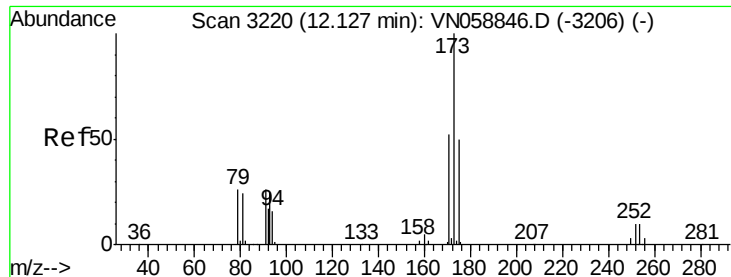
11.96

11.90

12.00

Time-->





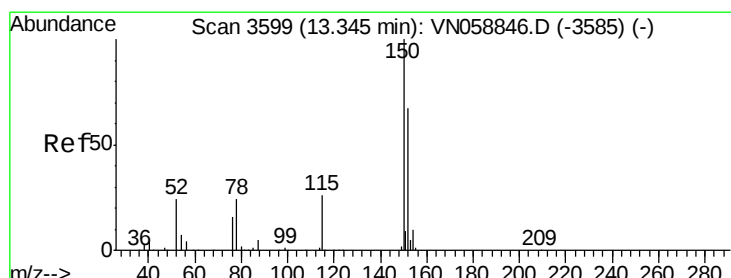
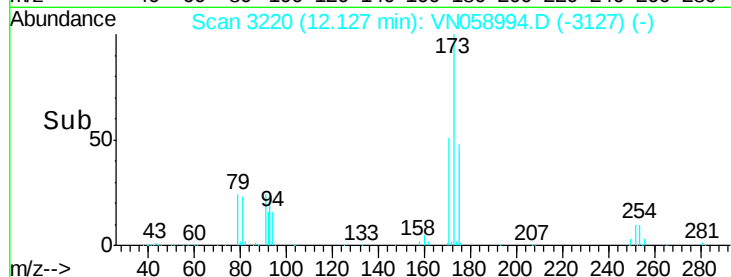
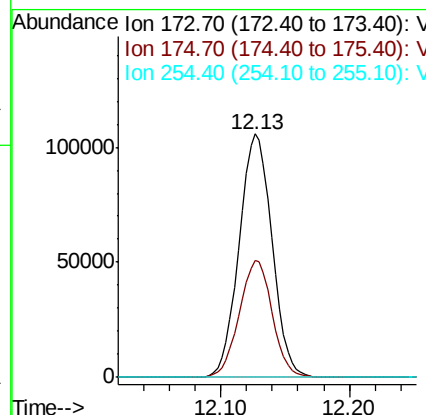
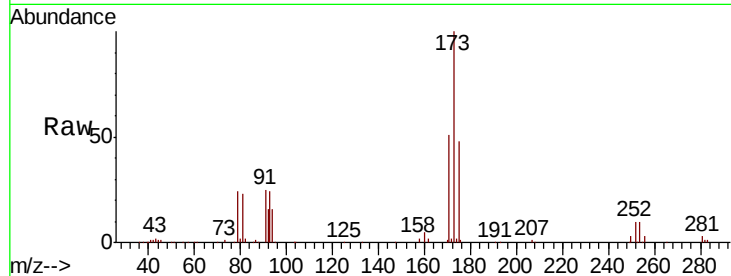
#71
Bromoform
Concen: 54.101 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.7	74.1
254	0.1	0.0	0.0#

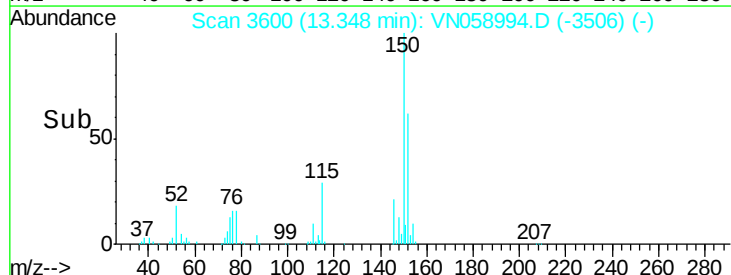
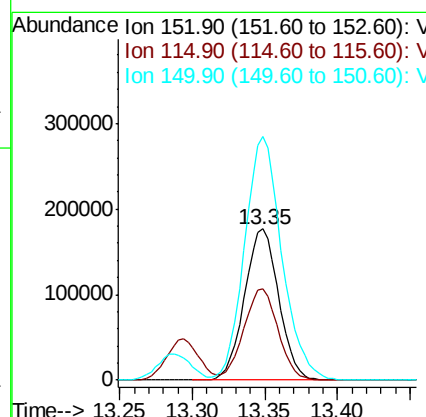
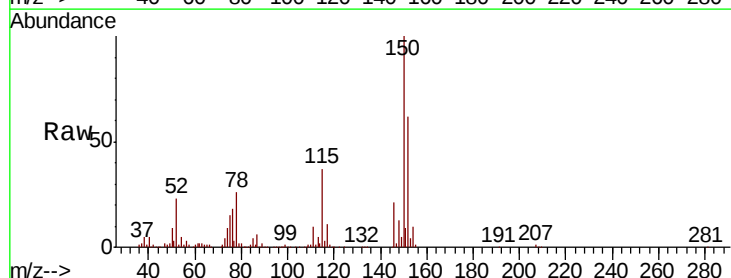
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.5	91.5
150	175.0	0.0	344.4





#73

Isopropylbenzene

Concen: 53.359 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1134029

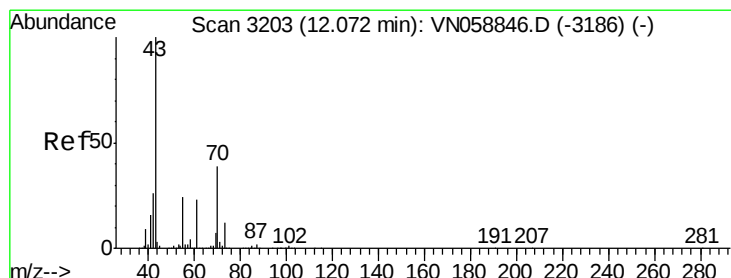
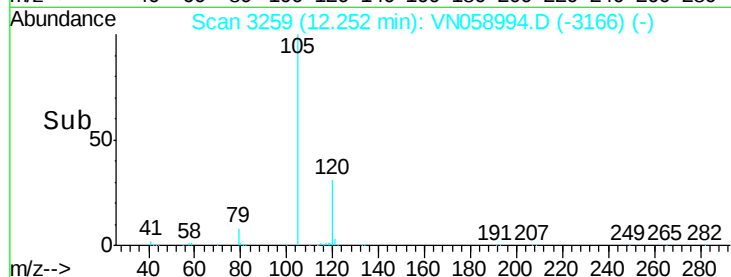
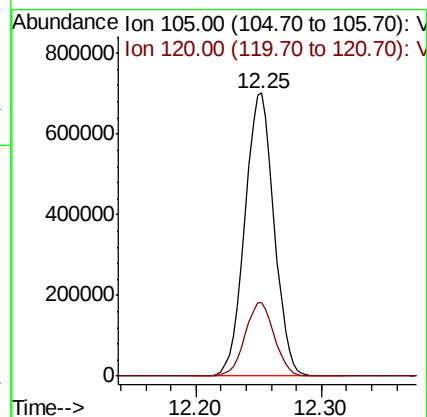
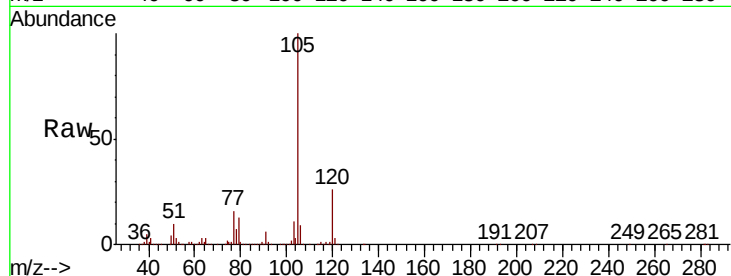
Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4

Manual Integrations
APPROVED

MMDadoda
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#74

N-ethyl acetate

Concen: 52.351 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Tgt Ion: 43 Resp: 504409

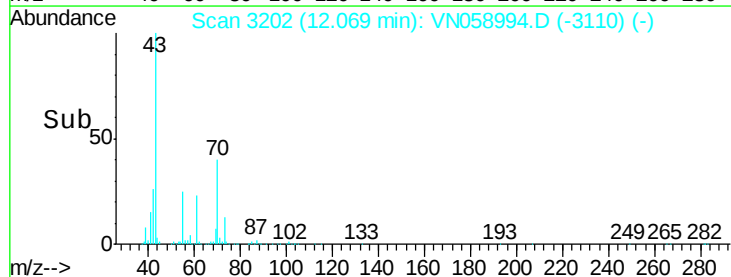
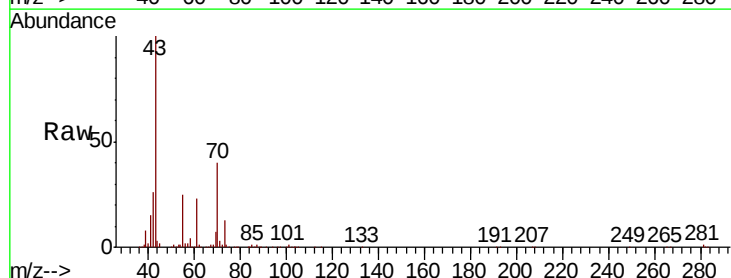
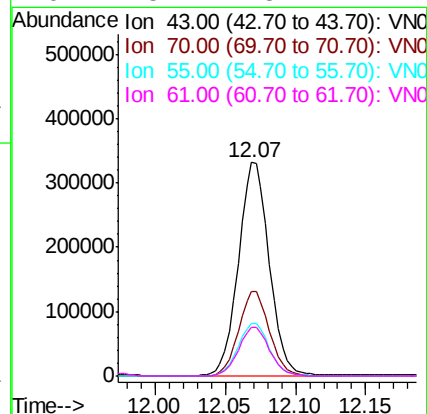
Ion Ratio Lower Upper

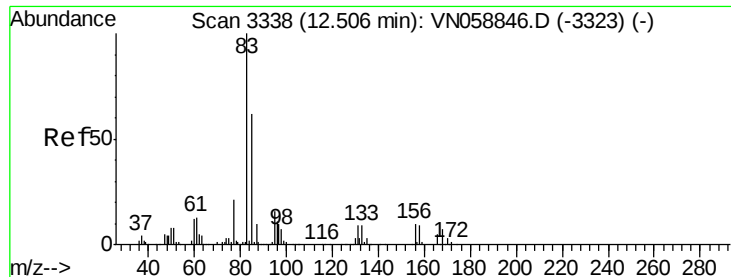
43 100

70 39.7 30.9 46.3

55 25.3 19.7 29.5

61 23.2 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.572 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 370447
Ion Ratio Lower Upper

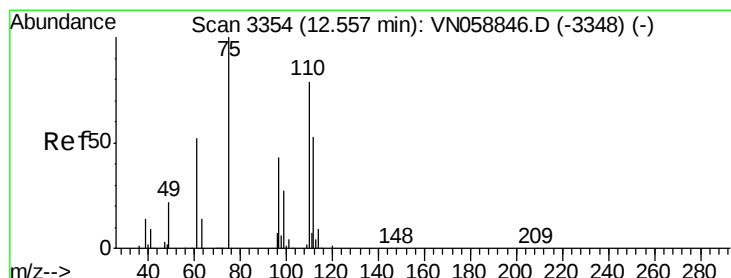
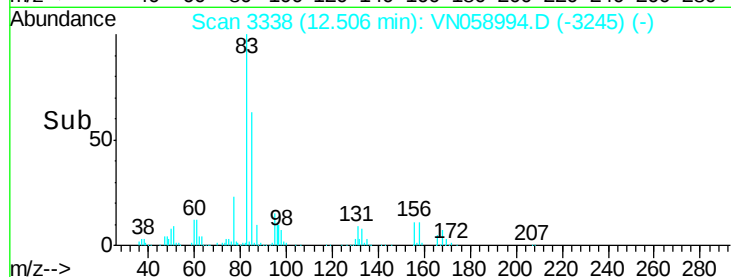
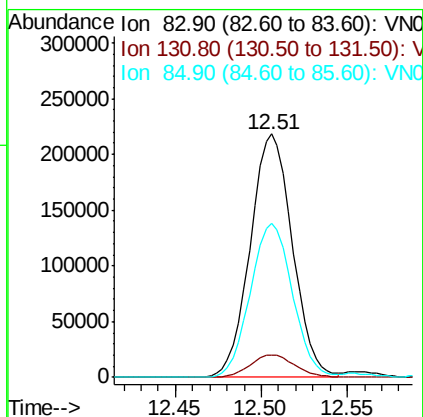
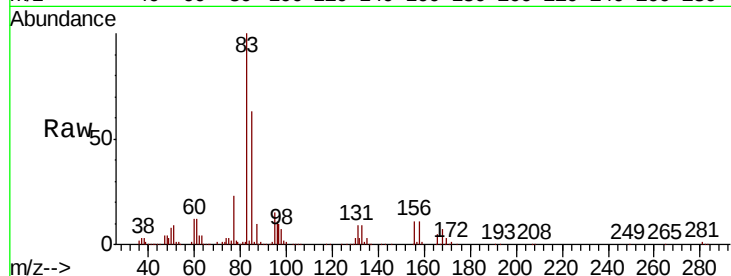
83 100

131 9.7 4.7 14.1

85 63.4 31.7 95.1

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#76

1,2,3-Trichloropropane

Concen: 53.841 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

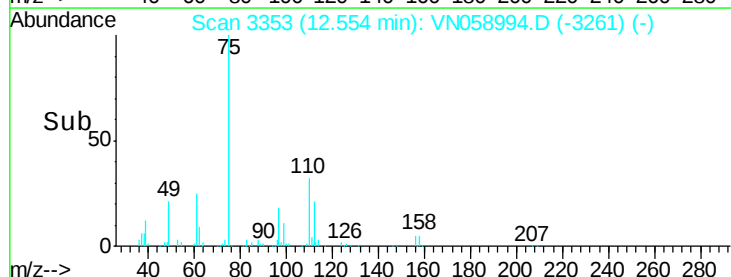
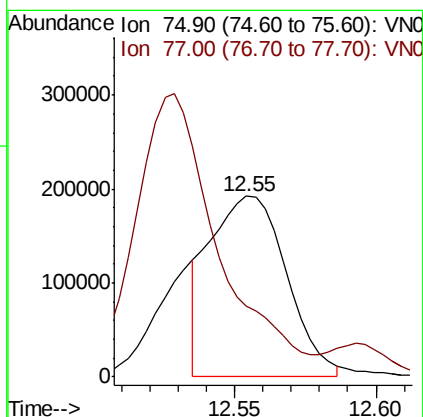
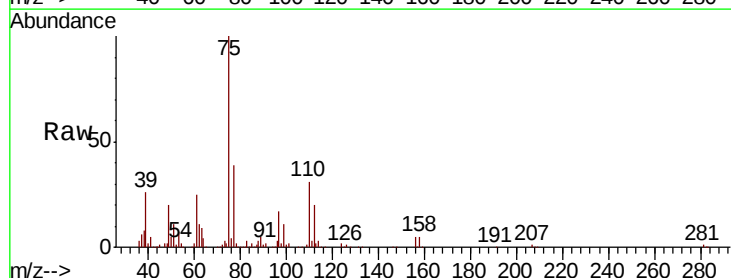
Lab File: VN058994.D

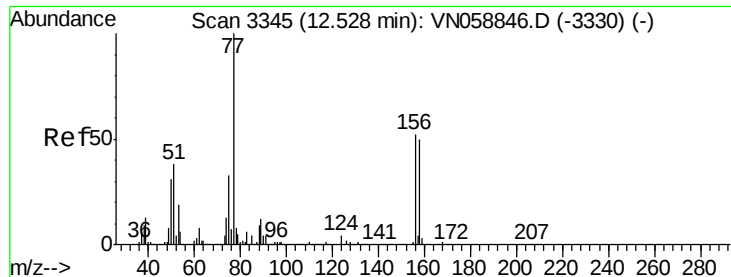
Acq: 28 Oct 2019 14:42

Tgt Ion: 75 Resp: 362883
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.923 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

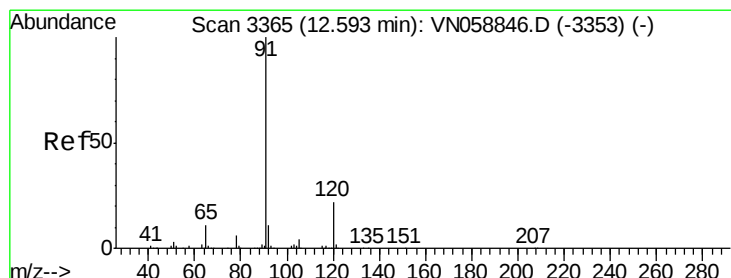
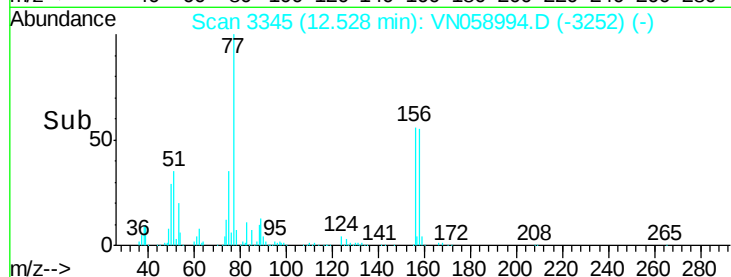
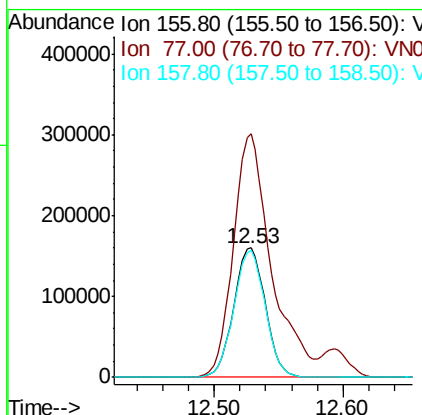
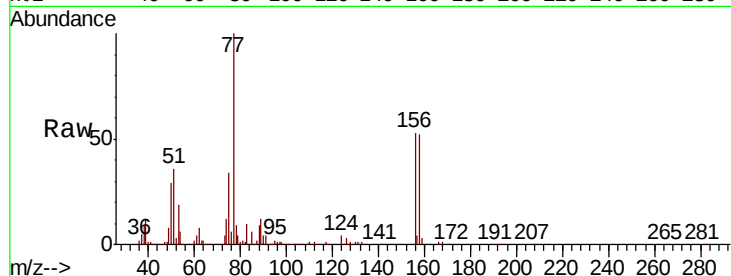
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	271995
Ion Ratio	Lower	Upper	
156	100		
77	226.0	118.0	354.0
158	97.9	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 54.353 ug/l

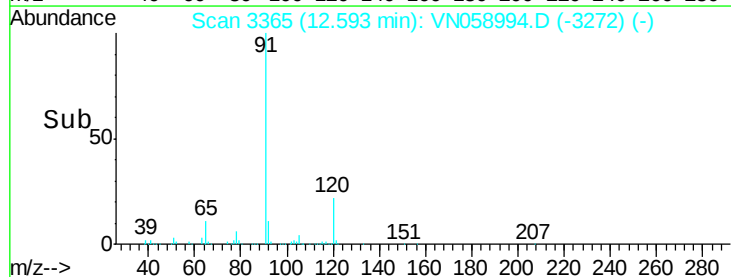
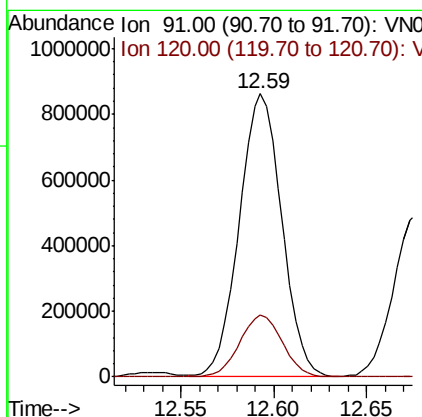
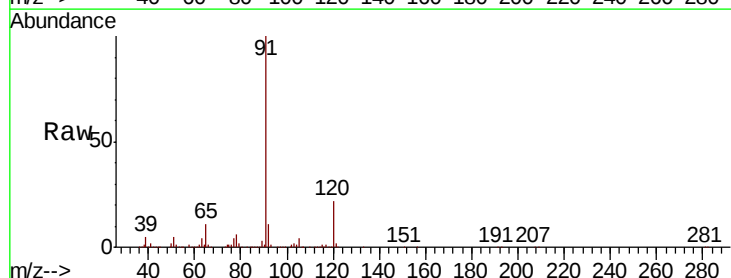
RT: 12.59 min Scan# 3365

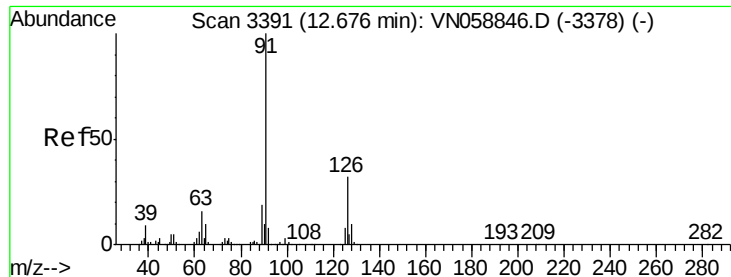
Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Tgt Ion:	91	Resp:	1365449
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 51.874 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 797592

Ion Ratio Lower Upper

91 100

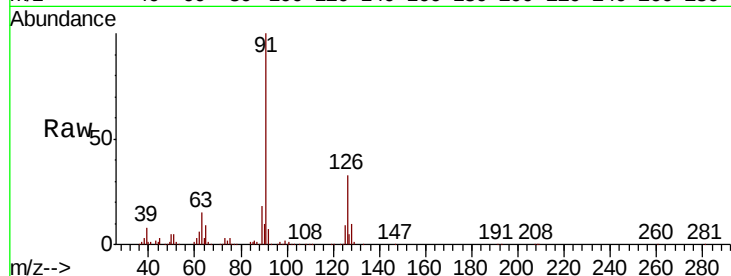
126 32.9 16.2 48.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

800000

600000

400000

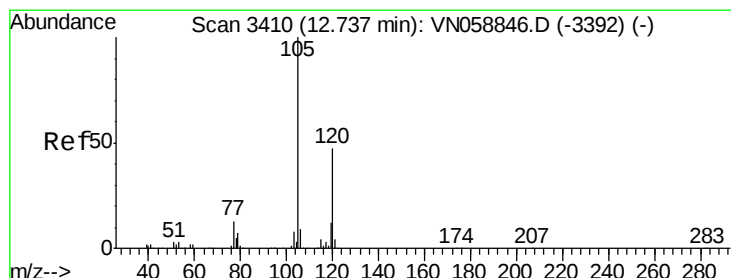
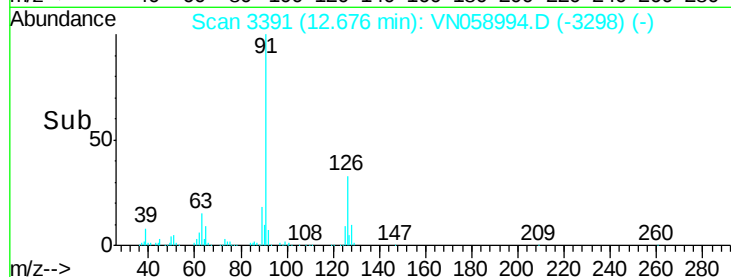
200000

0

12.68

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.808 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058994.D

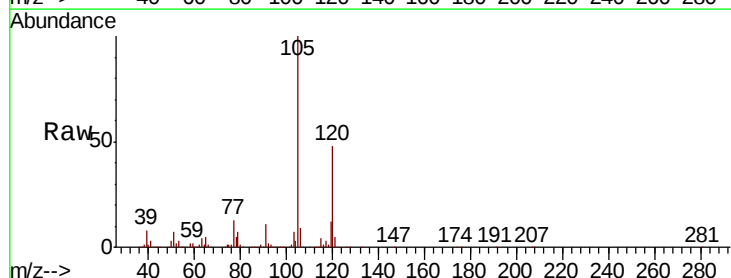
Acq: 28 Oct 2019 14:42

Tgt Ion: 105 Resp: 978673

Ion Ratio Lower Upper

105 100

120 47.9 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

600000

400000

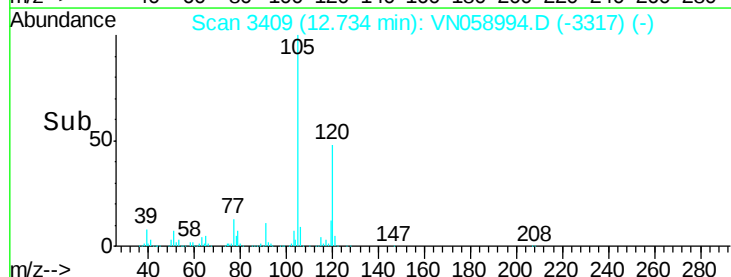
200000

0

12.73

12.70 12.80

Time-->





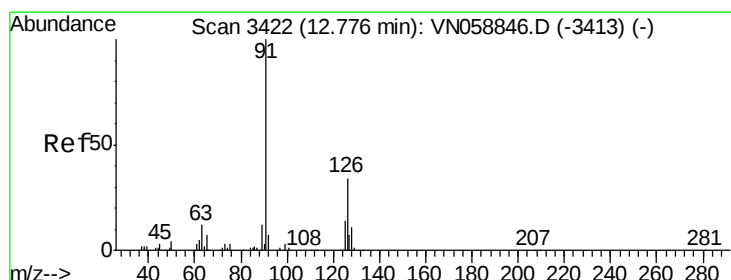
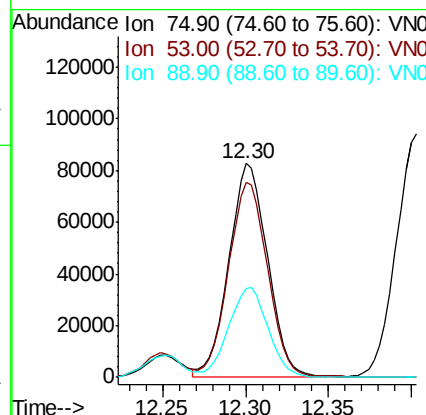
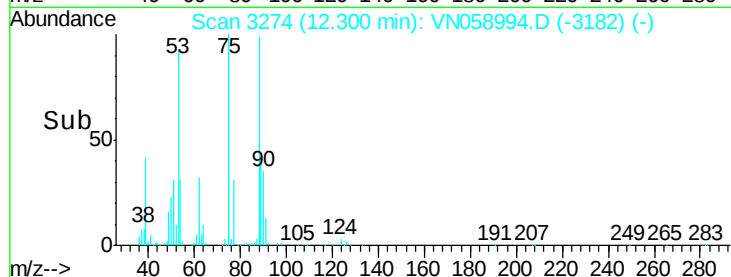
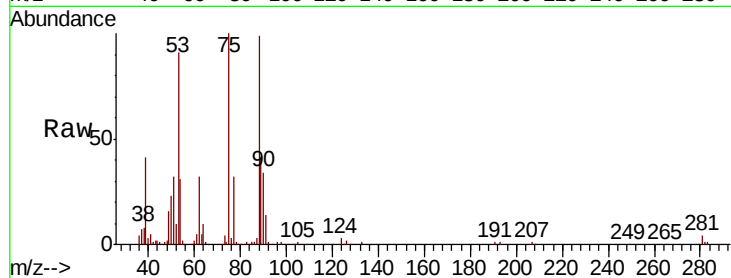
#81
trans-1,4-Dichloro-2-butene
Concen: 51.367 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	78.6	118.0
89	43.4	35.4	53.0

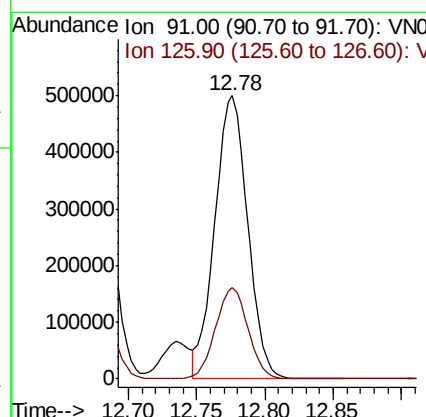
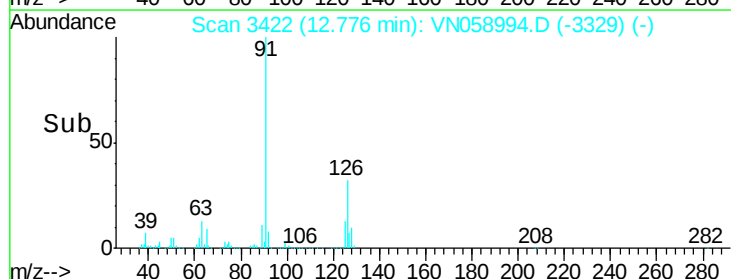
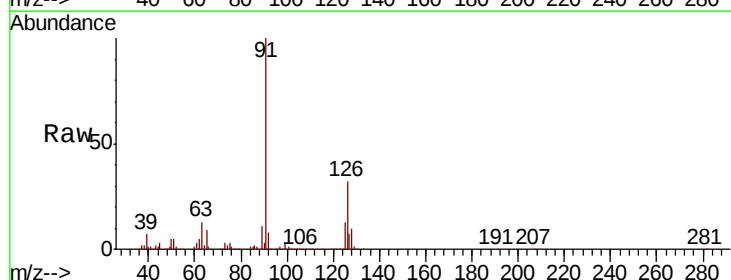
Manual Integrations
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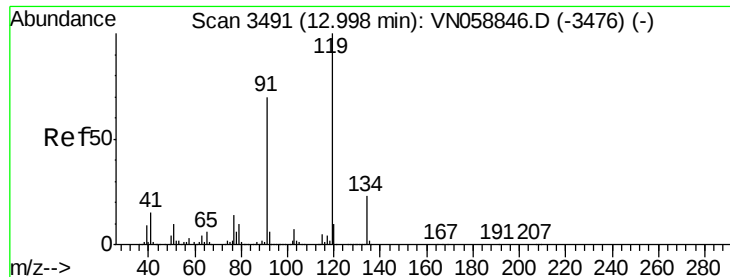
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.156 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.0	47.9





#83

tert-Butylbenzene

Concen: 54.341 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

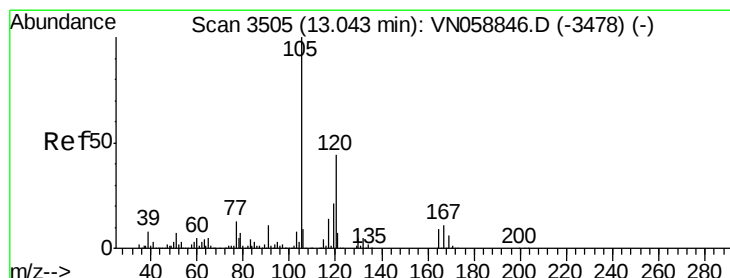
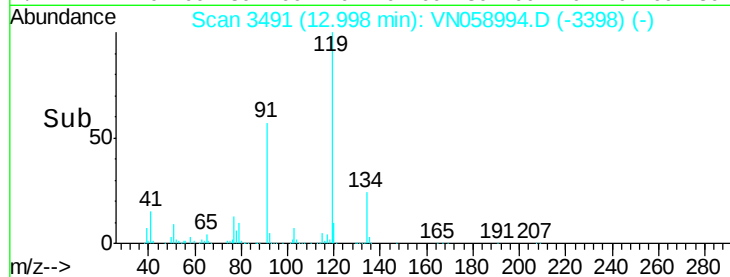
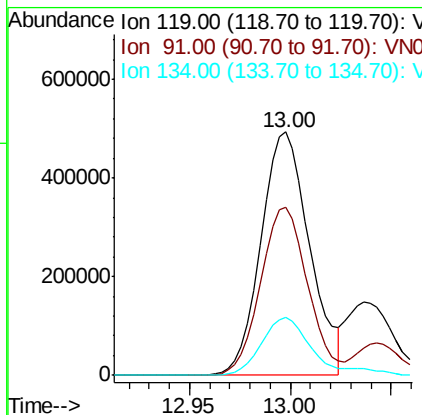
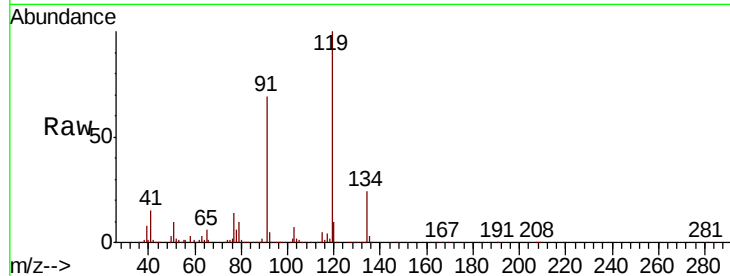
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	829753
Ion Ratio	Lower	Upper	
119	100		
91	66.9	34.1	102.3
134	25.1	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 55.423 ug/l

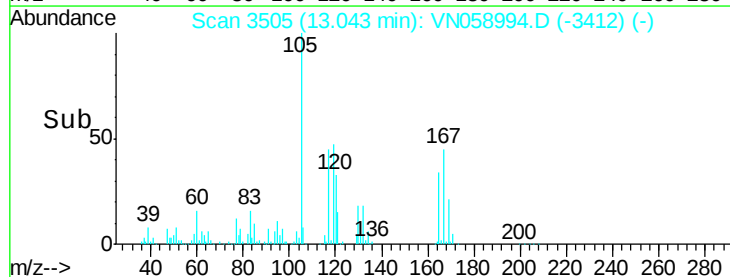
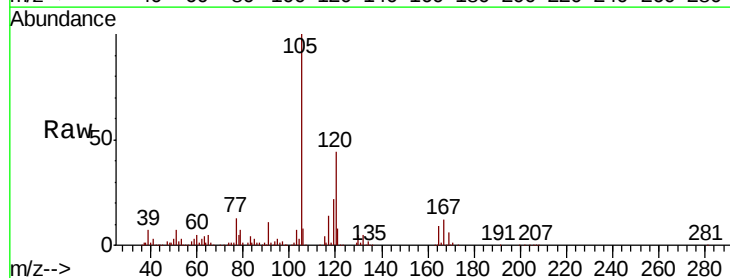
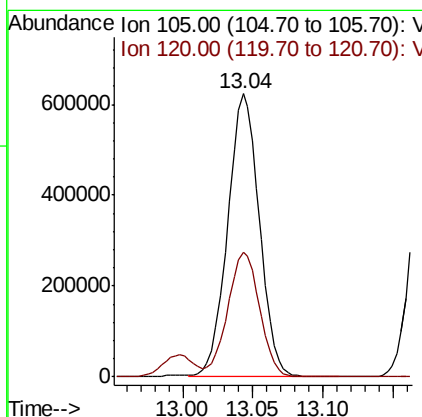
RT: 13.04 min Scan# 3505

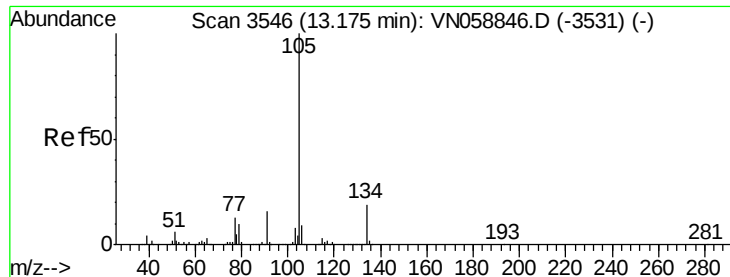
Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Tgt Ion:	105	Resp:	976134
Ion Ratio	Lower	Upper	
105	100		
120	44.7	21.9	65.8





#85

sec-Butylbenzene

Concen: 55.250 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1124776

Ion Ratio Lower Upper

105 100

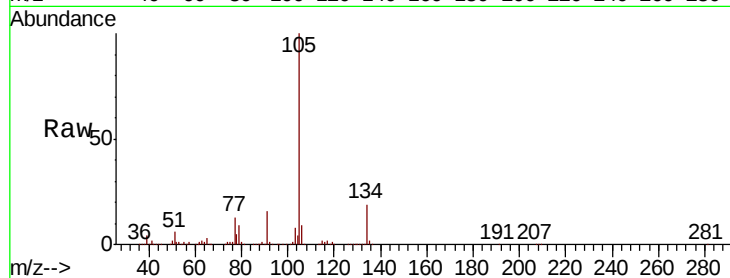
134 19.5 9.4 28.2

Manual Integrations

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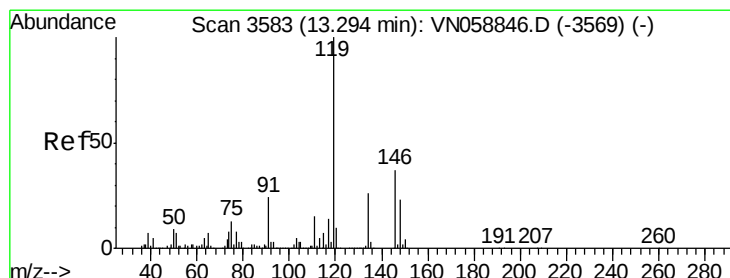
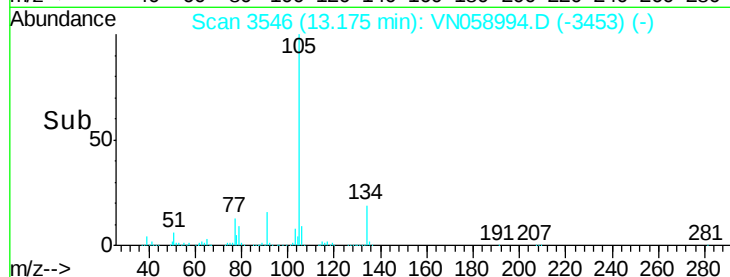
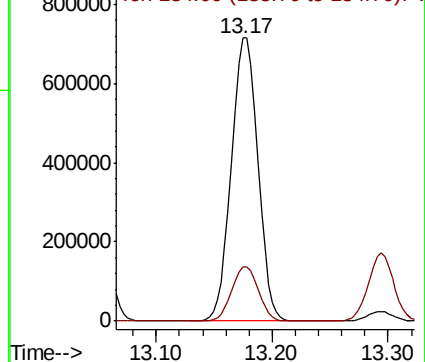
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.008 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

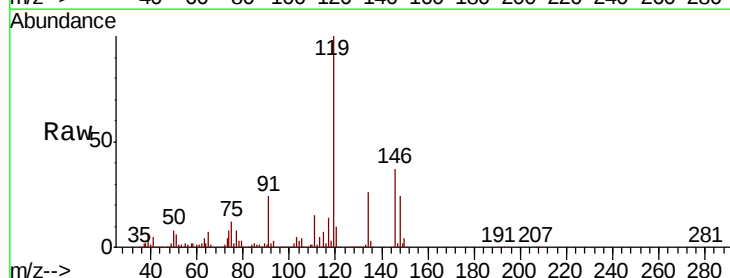
Tgt Ion:119 Resp: 1024037

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

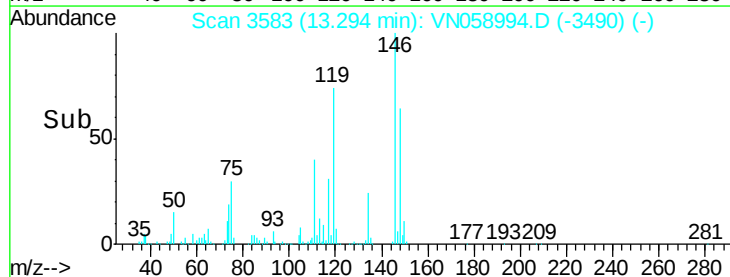
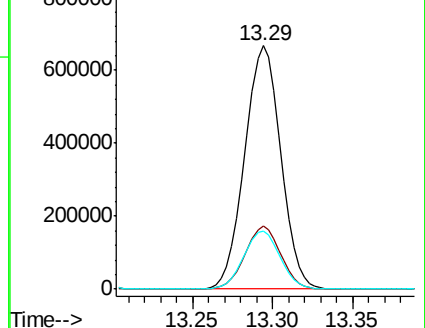
91 24.2 12.2 36.4

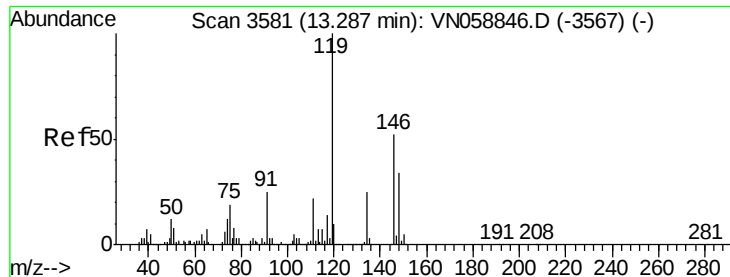


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 53.137 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058994.D

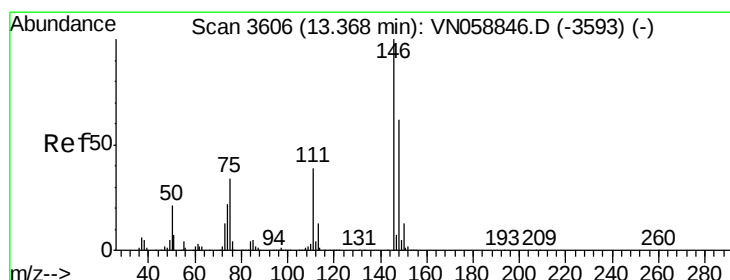
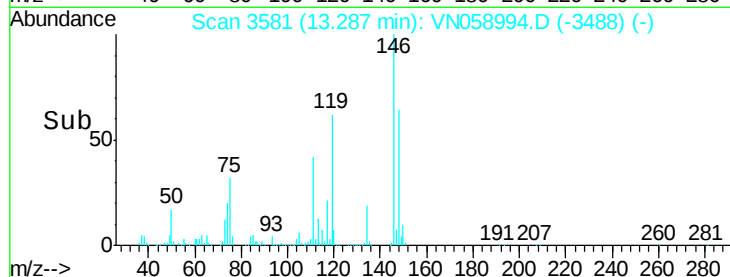
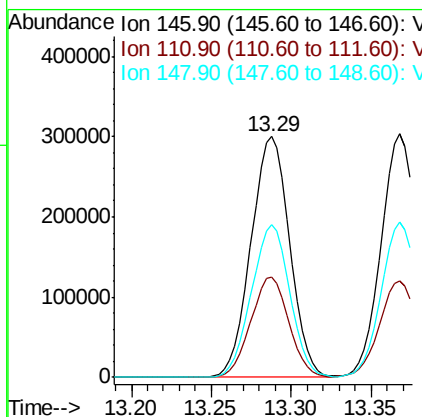
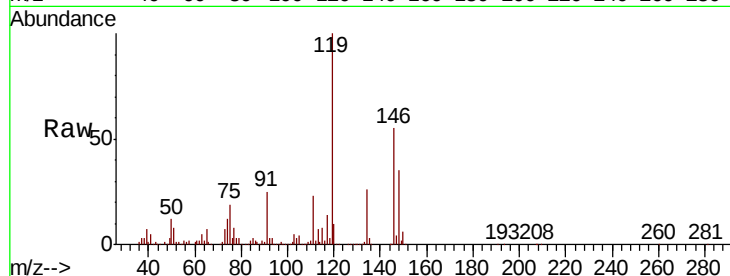
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.0	63.0
148	63.1	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.218 ug/l

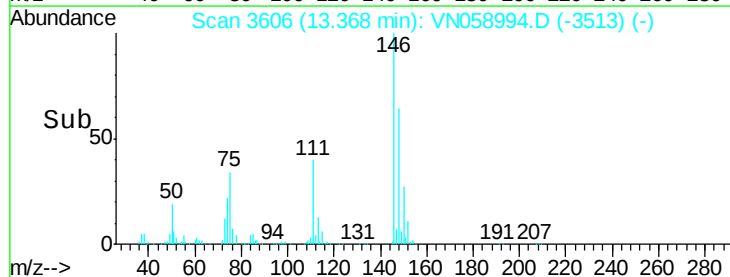
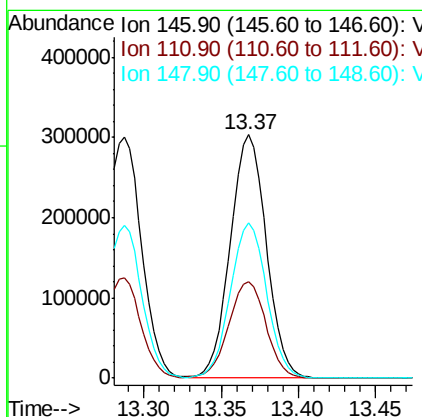
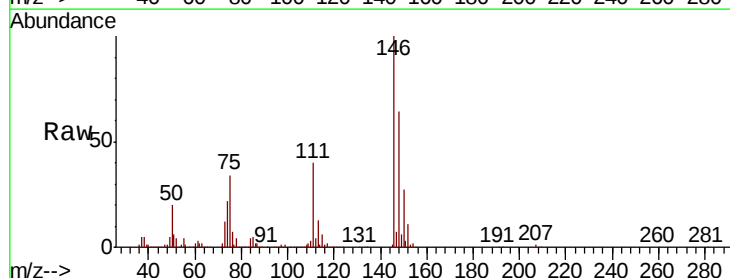
RT: 13.37 min Scan# 3606

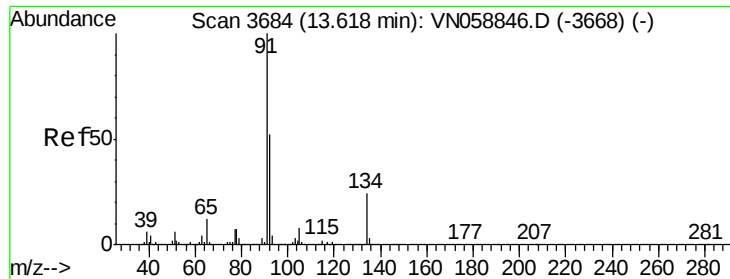
Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.6
148	64.5	31.6	94.7





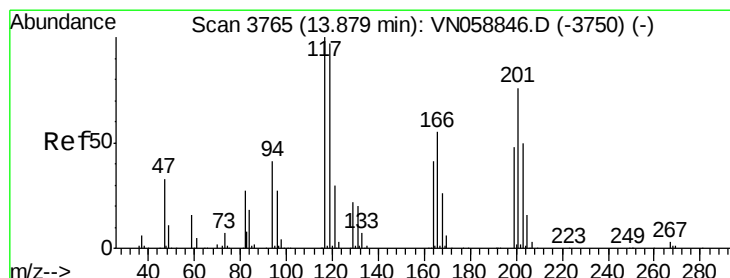
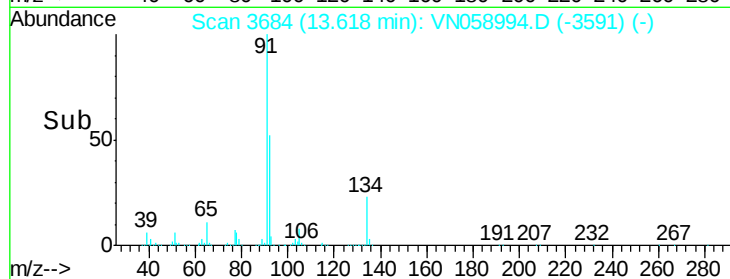
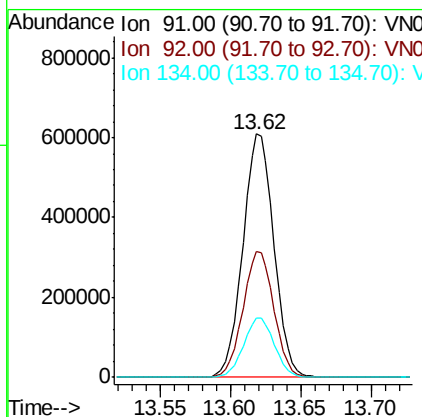
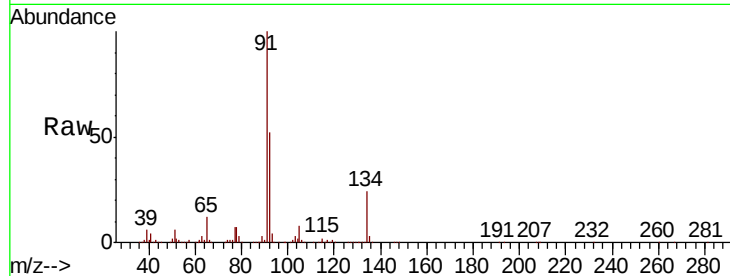
#89
n-Butylbenzene
Concen: 56.894 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.5	25.7	77.1	
134	24.3	11.9	35.5	

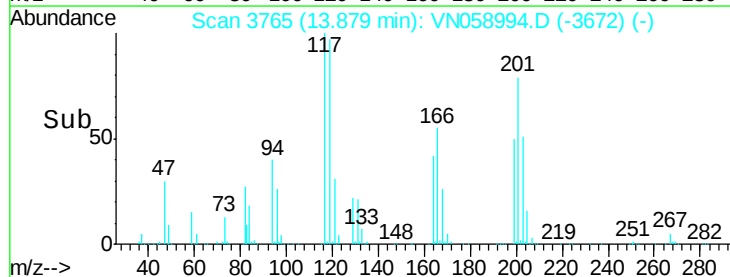
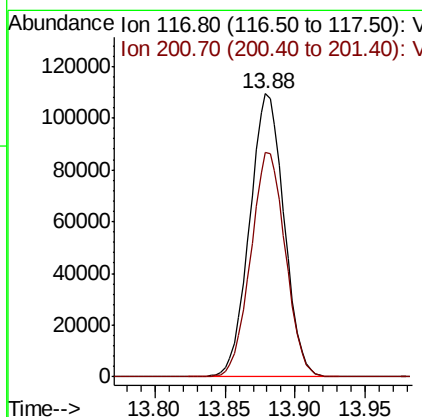
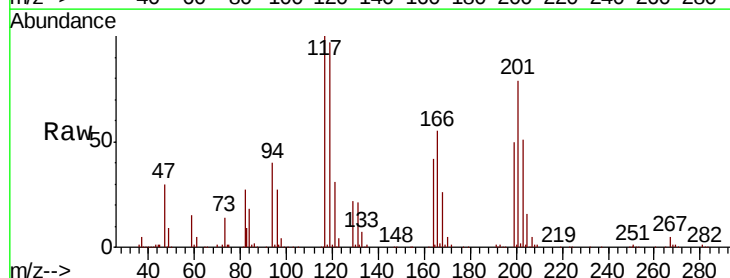
Manual Integrations
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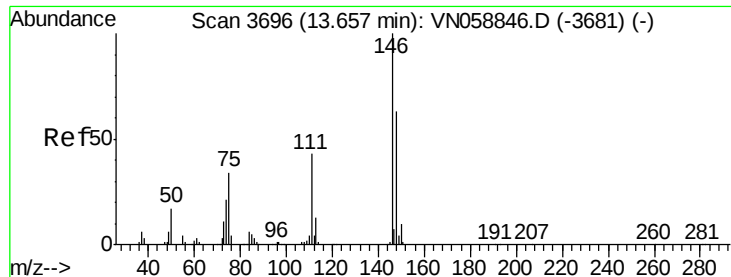
MMDadoda
10/30/2019 3:53:12 PM



#90
Hexachloroethane
Concen: 51.427 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	79.6	38.9	116.6	





#91

1,2-Dichlorobenzene

Concen: 52.875 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

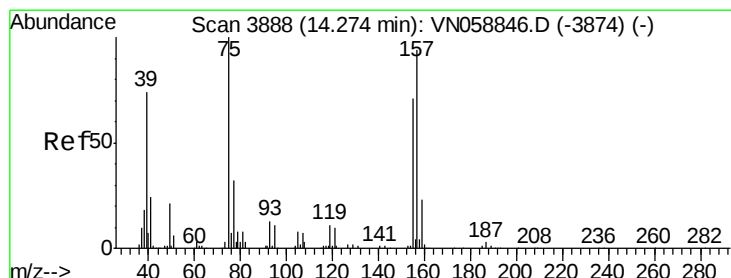
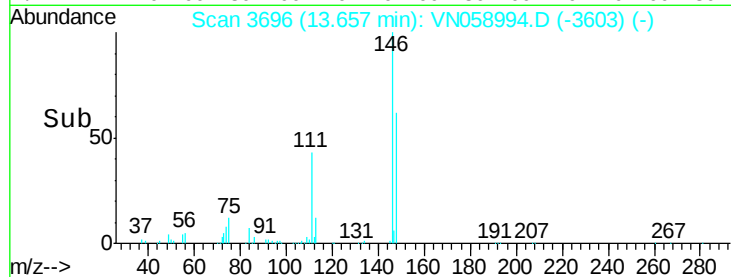
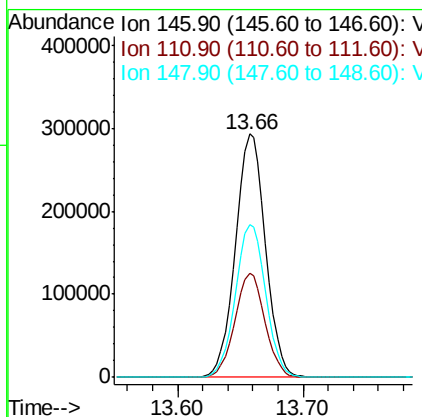
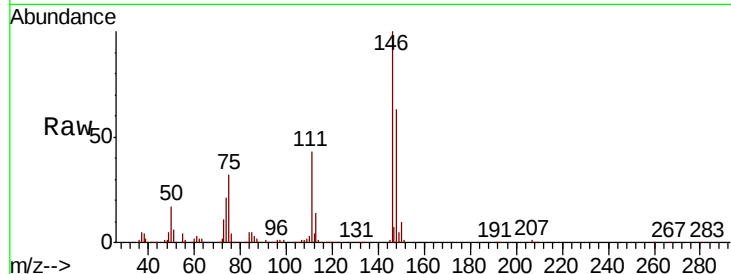
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	486789
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.6	64.8
148	63.6	31.9	95.9

Manual Integrations
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10/30/2019 3:53:12 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.684 ug/l

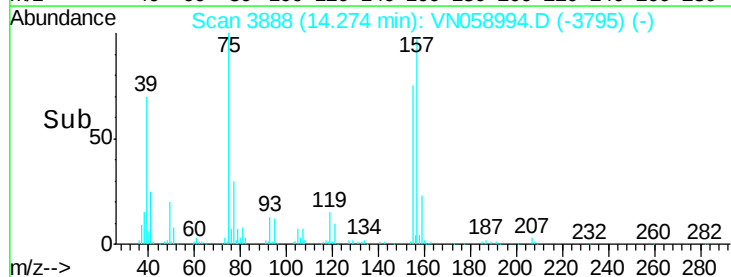
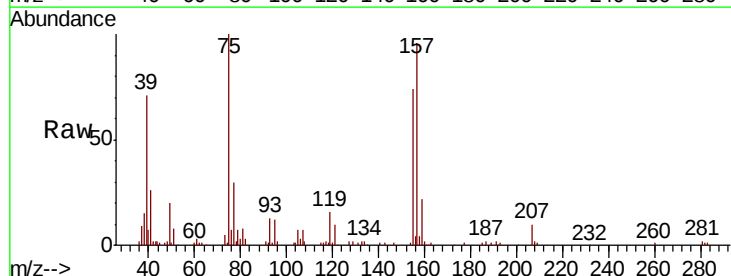
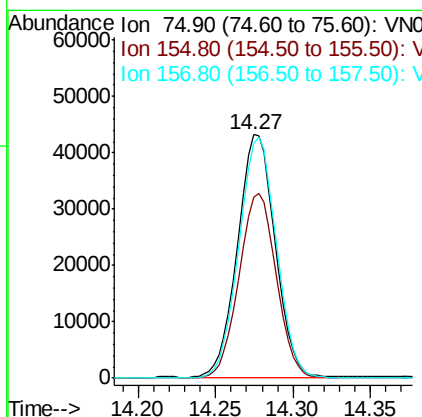
RT: 14.27 min Scan# 3888

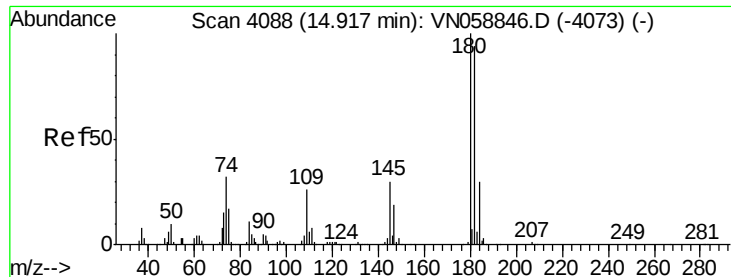
Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Tgt Ion:	75	Resp:	73837
Ion Ratio	Lower	Upper	
75	100		
155	74.5	35.6	106.8
157	97.7	47.4	142.2





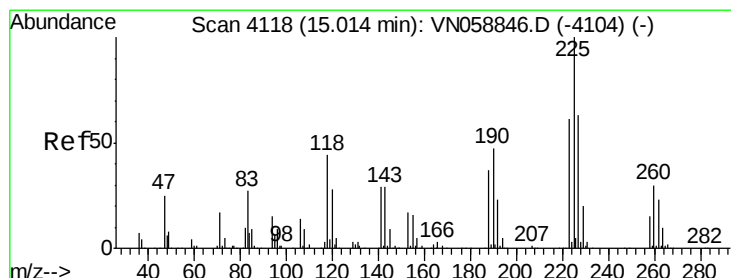
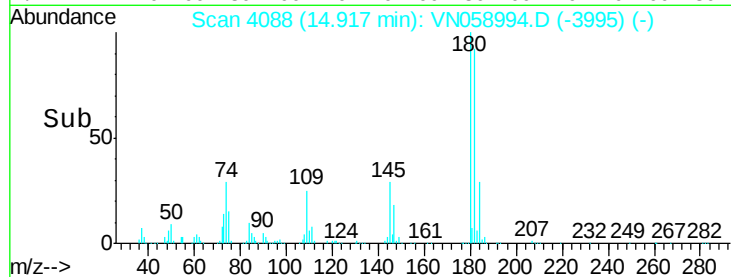
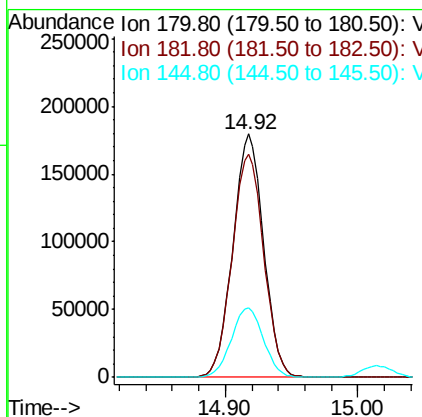
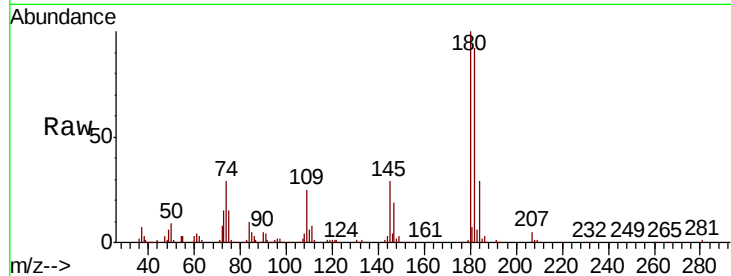
#93
 1,2,4-Trichlorobenzene
 Concen: 49.773 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	288392		
182	94.5	47.3	142.0	
145	29.9	15.3	45.8	

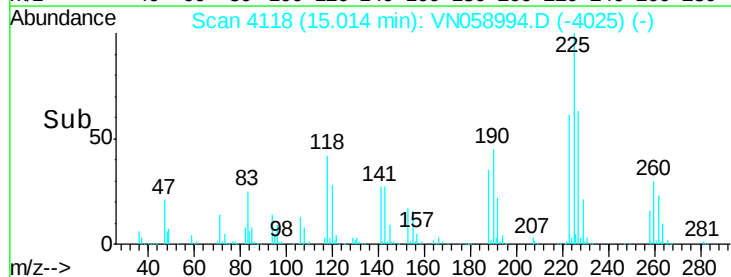
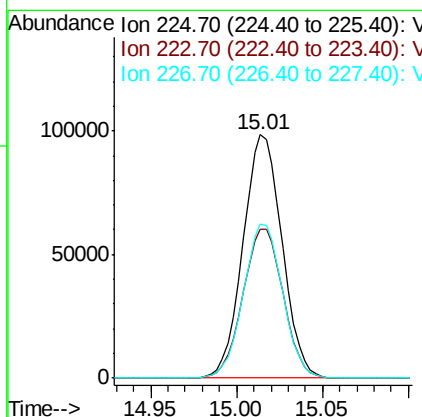
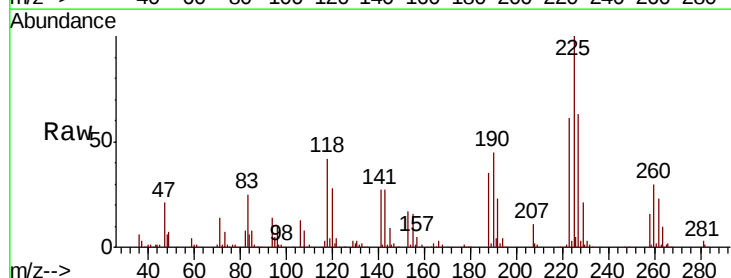
Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:53:12 PM



#94
 Hexachlorobutadiene
 Concen: 51.936 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154975		
223	63.2	30.9	92.5	
227	63.7	31.6	94.7	





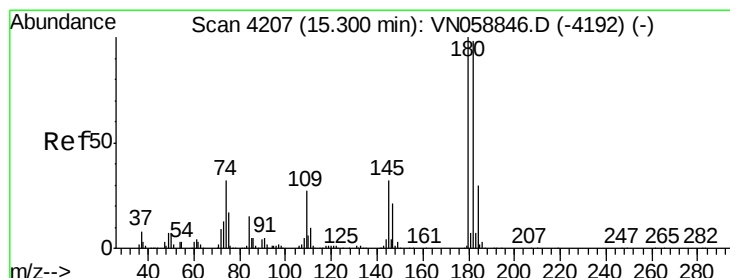
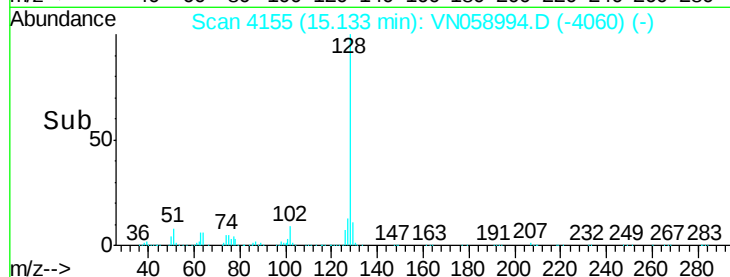
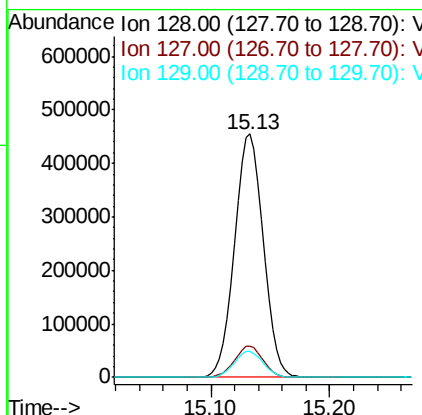
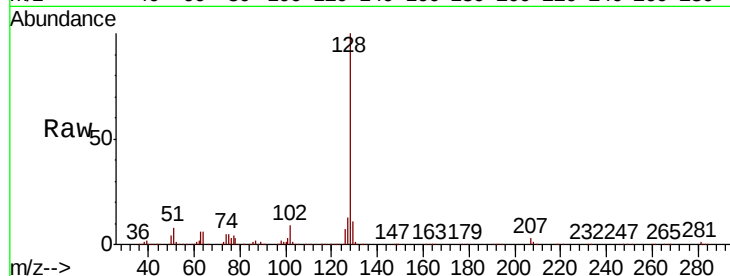
#95
Naphthalene
Concen: 45.967 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/30/2019 3:53:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.360 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.9	143.7
145	32.2	15.9	47.7

