

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058946.D
 Acq On : 24 Oct 2019 9:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:36:38 PM

Quant Time: Oct 25 01:33:32 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	341662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	531353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	505465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	243459	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.57	113	176425	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.08	98	687383	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	260944	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	204650	48.042	ug/l	99
3) Chloromethane	2.04	50	237767	45.067	ug/l	98
4) Vinyl Chloride	2.17	62	240907	45.988	ug/l	99
5) Bromomethane	2.54	94	136049	41.474	ug/l	99
6) Chloroethane	2.68	64	157183	46.790	ug/l	99
7) Trichlorofluoromethane	2.99	101	322503	49.756	ug/l	99
8) Diethyl Ether	3.39	74	110029	49.123	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	174263	48.497	ug/l	99
10) Methyl Iodide	3.92	142	183529	38.834	ug/l	99
11) Tert butyl alcohol	4.75	59	206334	248.130	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	164282	48.775	ug/l	98
13) Acrolein	3.58	56	87686	153.467	ug/l	98
14) Allyl chloride	4.29	41	336691	49.401	ug/l	99
15) Acrylonitrile	4.95	53	542818	259.510	ug/l	99
16) Acetone	3.79	43	731220	295.306	ug/l	100
17) Carbon Disulfide	4.02	76	494009	45.532	ug/l	99
18) Methyl Acetate	4.29	43	279890	49.718	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	603098	51.137	ug/l	99
20) Methylene Chloride	4.52	84	199596	47.207	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	183862	49.430	ug/l	99
22) Diisopropyl ether	5.92	45	699769	52.492	ug/l	97
23) Vinyl Acetate	5.87	43	2947570	275.204	ug/l	100
24) 1,1-Dichloroethane	5.82	63	379155	49.050	ug/l	99
25) 2-Butanone	6.81	43	878592	273.339	ug/l	100
26) 2,2-Dichloropropane	6.80	77	331366	49.560	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	212004	49.893	ug/l	100
28) Bromochloromethane	7.17	49	127638	49.580	ug/l	99
29) Tetrahydrofuran	7.18	42	514544	261.682	ug/l	100
30) Chloroform	7.35	83	378155	48.770	ug/l	99
31) Cyclohexane	7.63	56	331099	45.978	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	324797	49.696	ug/l	100
36) 1,1-Dichloropropene	7.77	75	284040	52.214	ug/l	100
37) Ethyl Acetate	6.90	43	321908	54.308	ug/l	100
38) Carbon Tetrachloride	7.75	117	281636	50.254	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	310407	50.818	ug/l	98
40) Benzene	8.02	78	831174	52.032	ug/l	99
41) Methacrylonitrile	7.15	41	133965m	50.745	ug/l	
42) 1,2-Dichloroethane	8.10	62	316727	51.471	ug/l	100
43) Isopropyl Acetate	8.14	43	502509	52.861	ug/l	100
44) Trichloroethene	8.82	130	200837	51.612	ug/l	98
45) 1,2-Dichloropropane	9.10	63	227890	52.025	ug/l	96
46) Dibromomethane	9.19	93	144823	52.298	ug/l	100
47) Bromodichloromethane	9.39	83	304128	53.286	ug/l	100
48) Methyl methacrylate	9.18	41	238305	55.252	ug/l	99
49) 1,4-Dioxane	9.19	88	83985	1186.196	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1622425	292.192	ug/l	100
52) Toluene	10.15	92	512308	54.081	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	340185	53.842	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	362519	53.704	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	202755	51.956	ug/l	98
56) Ethyl methacrylate	10.42	69	319149	48.741	ug/l	99
57) 1,3-Dichloropropane	10.70	76	360832	52.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	698313	252.220	ug/l	100
59) 2-Hexanone	10.75	43	1292239	301.174	ug/l	99
60) Dibromochloromethane	10.90	129	227529	54.168	ug/l	98
61) 1,2-Dibromoethane	11.00	107	212389	53.181	ug/l	99
64) Tetrachloroethene	10.63	164	178143	50.324	ug/l	97
65) Chlorobenzene	11.43	112	541668	52.637	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	205846	53.009	ug/l	99
67) Ethyl Benzene	11.51	91	996048	55.176	ug/l	98
68) m/p-Xylenes	11.62	106	747348	111.635	ug/l	99
69) o-Xylene	11.95	106	346925	54.336	ug/l	100
70) Styrene	11.96	104	600596	50.928	ug/l	99
71) Bromoform	12.13	173	159953	53.119	ug/l #	99
73) Isopropylbenzene	12.25	105	967857	51.130	ug/l	99
74) N-amyl acetate	12.07	43	453776	52.877	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	322994	48.527	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	281412m	46.879	ug/l	
77) Bromobenzene	12.53	156	231682	49.656	ug/l	99
78) n-propylbenzene	12.59	91	1179230	52.703	ug/l	100
79) 2-Chlorotoluene	12.68	91	689358	50.338	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	845391	53.156	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113536	49.270	ug/l	98
82) 4-Chlorotoluene	12.78	91	721912	51.584	ug/l	100
83) tert-Butylbenzene	13.00	119	698574	51.365	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	864988	55.141	ug/l	100
85) sec-Butylbenzene	13.17	105	972866	53.654	ug/l	100
86) p-Isopropyltoluene	13.29	119	892782	55.802	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	435183	52.163	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	428500	51.301	ug/l	99
89) n-Butylbenzene	13.62	91	802809	54.624	ug/l	100
90) Hexachloroethane	13.88	117	162977	50.271	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	429070	52.327	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72300	48.026	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	248337	48.205	ug/l	100
94) Hexachlorobutadiene	15.01	225	129809	48.843	ug/l	98
95) Naphthalene	15.13	128	690817	46.716	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	241684	48.185	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 341662

Ion Ratio Lower Upper

168 100

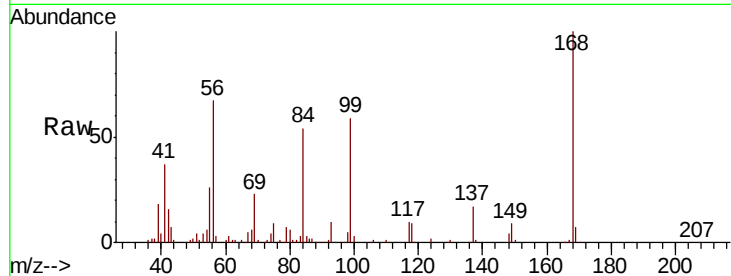
99 59.1 48.1 72.1

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

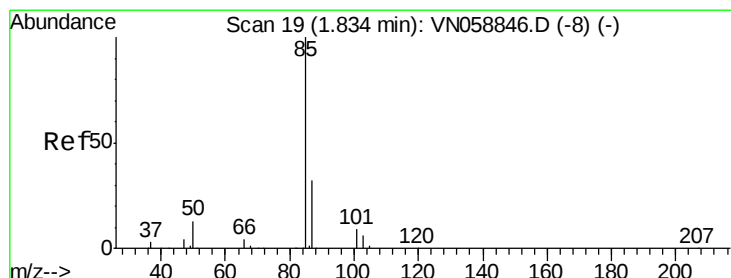
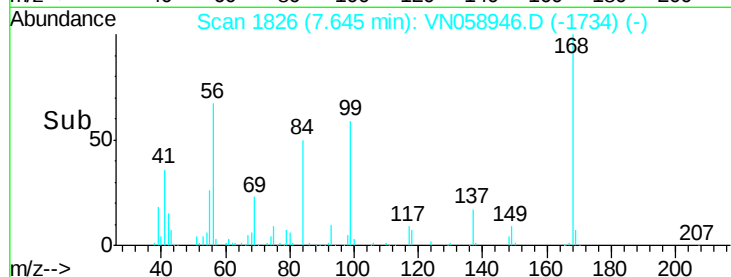
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.042 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058946.D

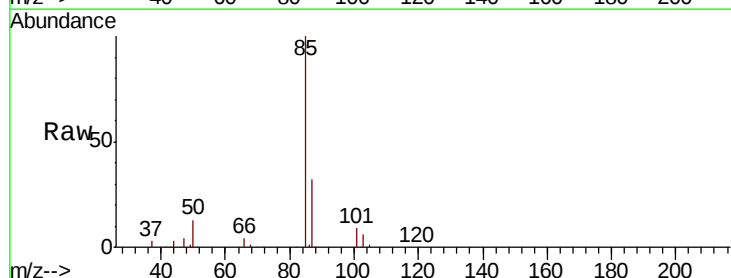
Acq: 24 Oct 2019 9:27

Tgt Ion: 85 Resp: 204650

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

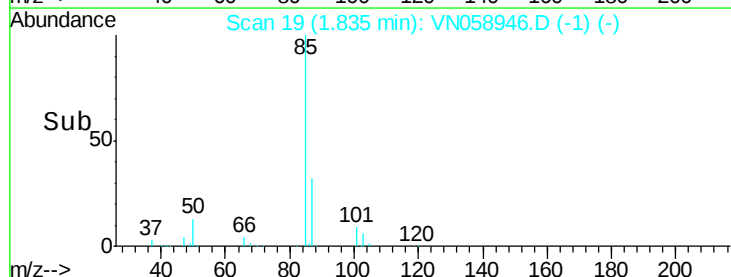
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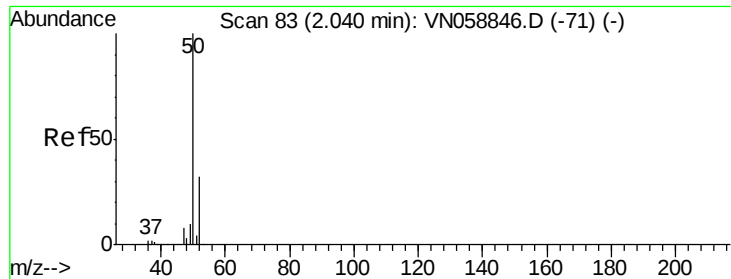
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.067 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 237767

Ion Ratio Lower Upper

50 100

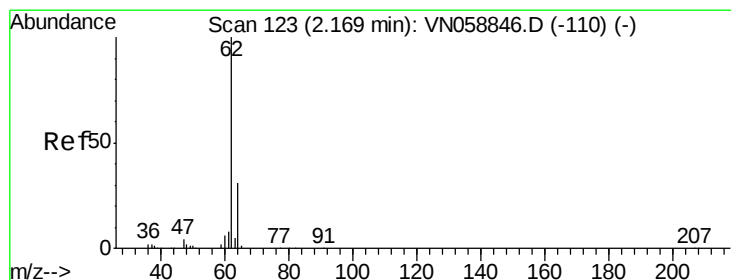
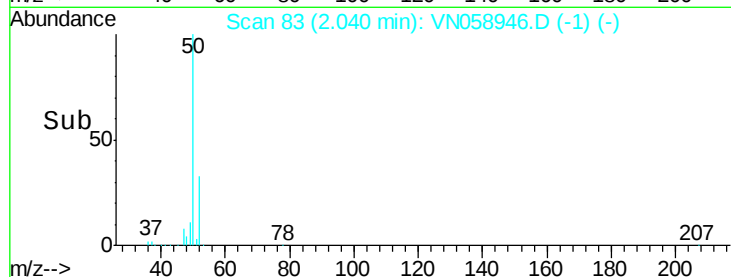
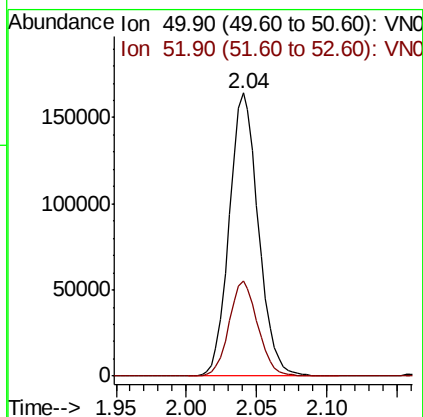
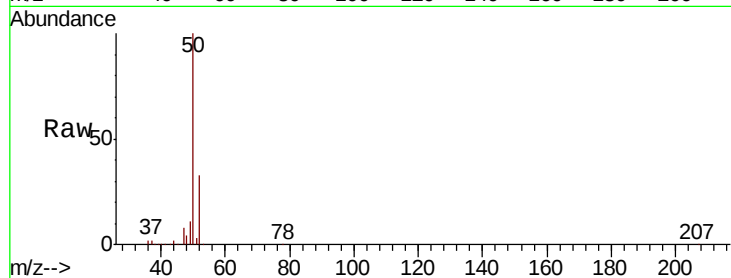
52 33.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.988 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058946.D

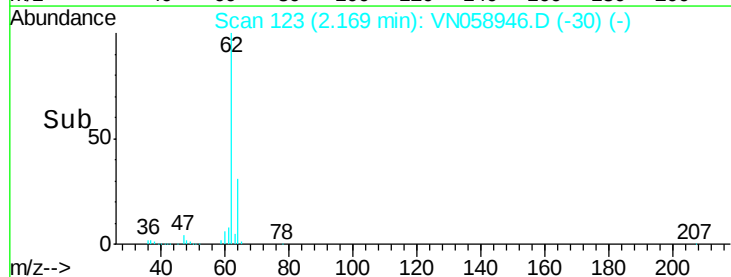
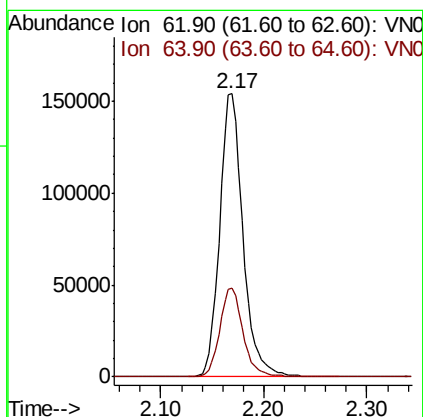
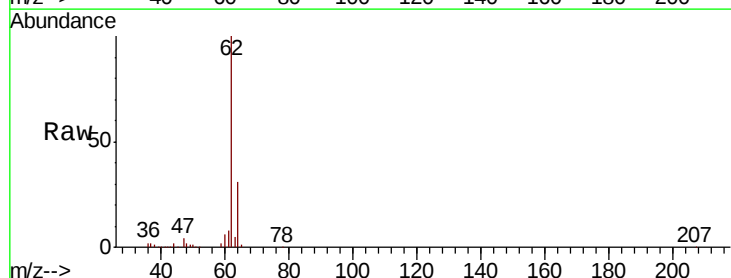
Acq: 24 Oct 2019 9:27

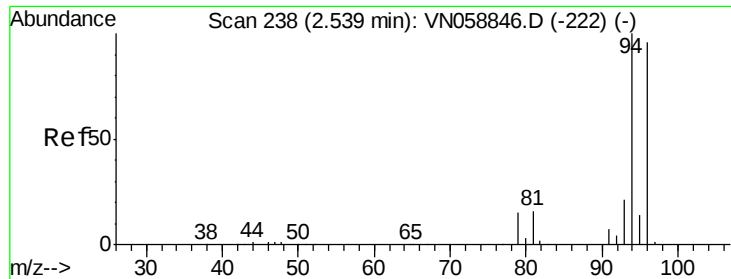
Tgt Ion: 62 Resp: 240907

Ion Ratio Lower Upper

62 100

64 31.5 24.6 36.8





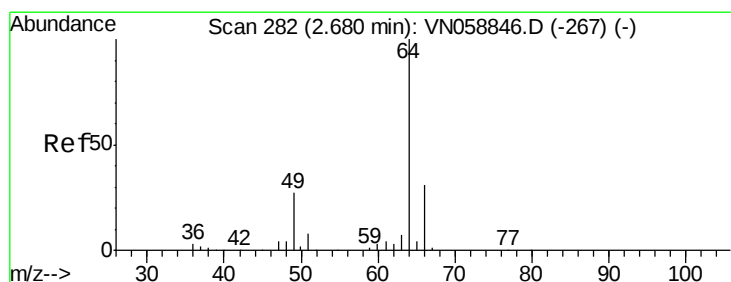
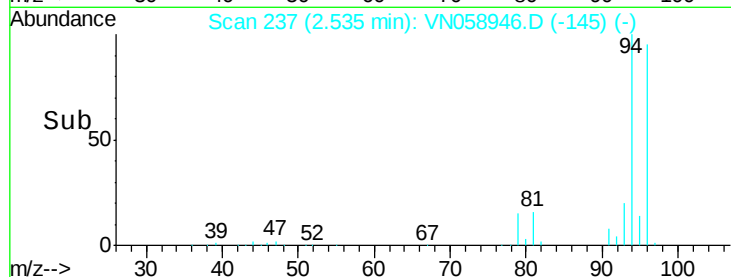
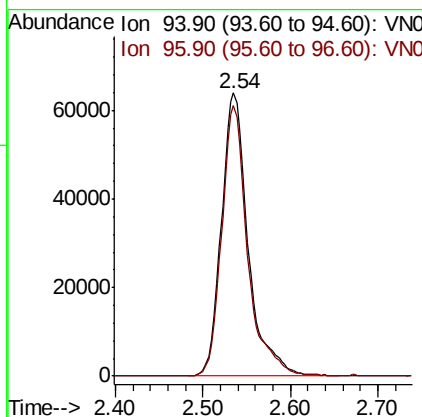
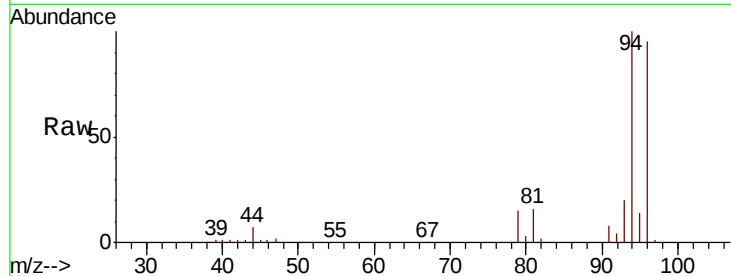
#5
Bromomethane
Concen: 41.474 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

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Tot Ion: 94 Resp: 136049
Ion Ratio Lower Upper
94 100
96 95.4 77.0 115.6

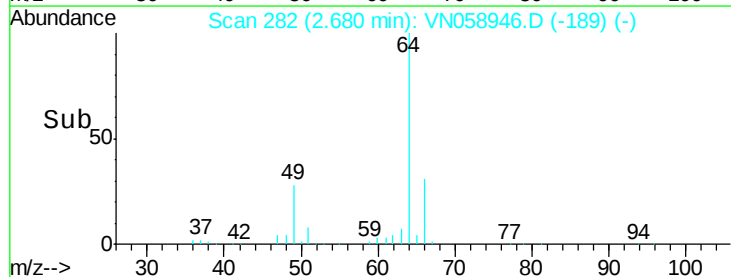
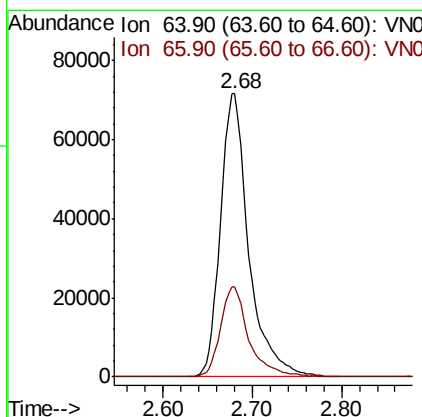
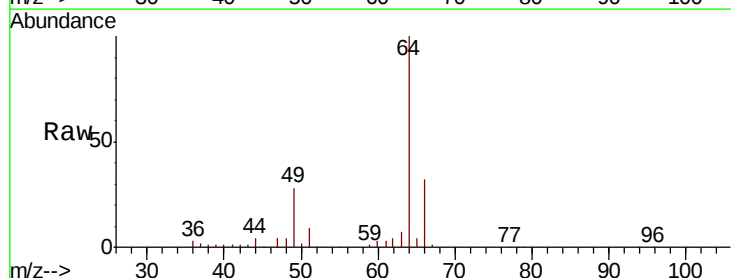
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#6
Chloroethane
Concen: 46.790 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 64 Resp: 157183
Ion Ratio Lower Upper
64 100
66 31.7 25.0 37.4





#7

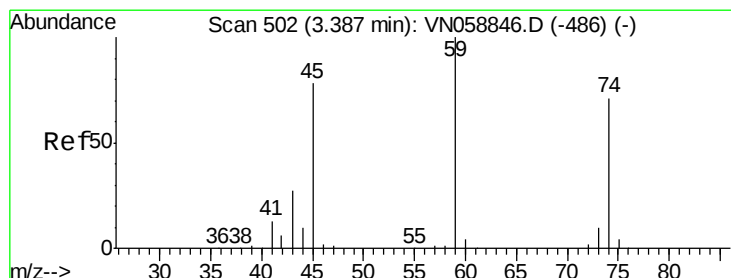
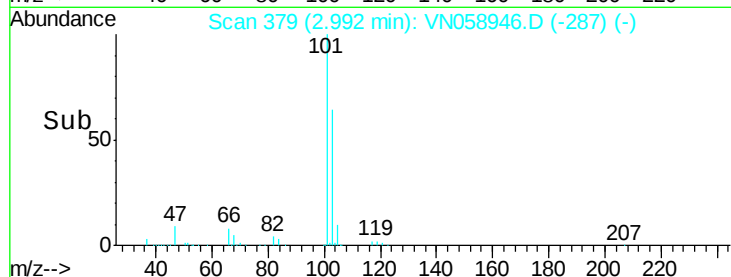
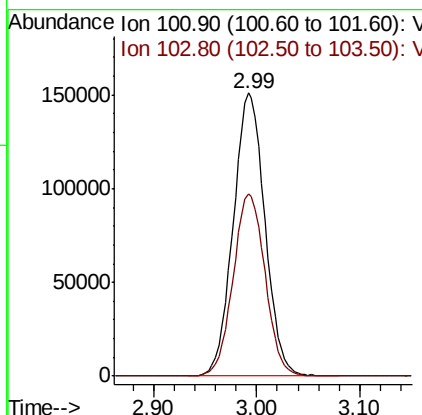
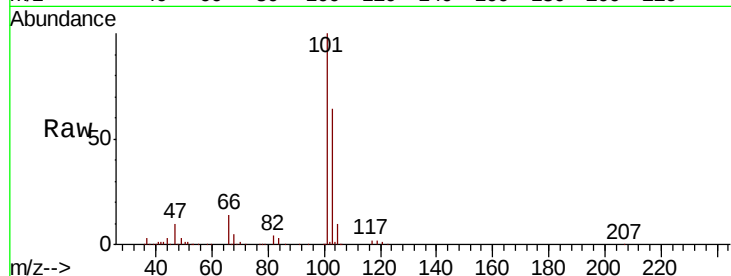
Trichlorofluoromethane
Concen: 49.756 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.2	78.2

Manual Integrations
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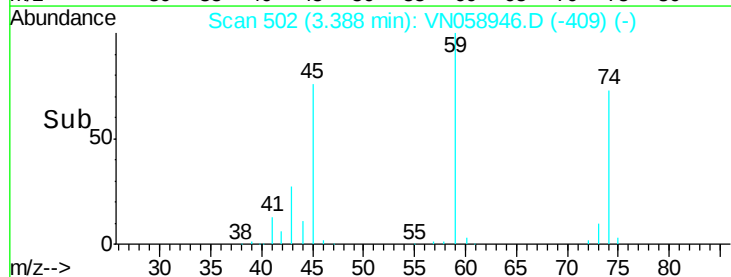
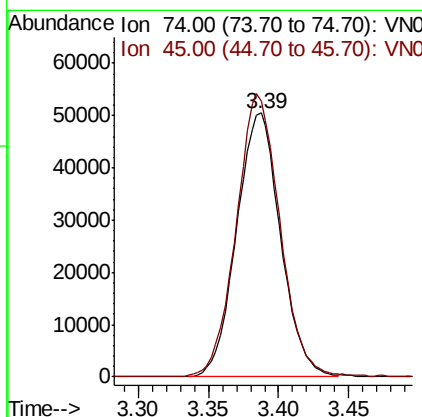
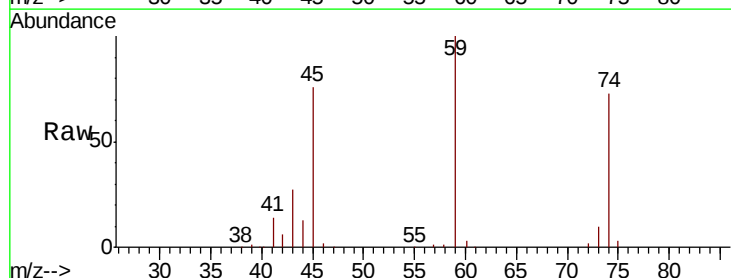
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10/25/2019 2:36:38 PM

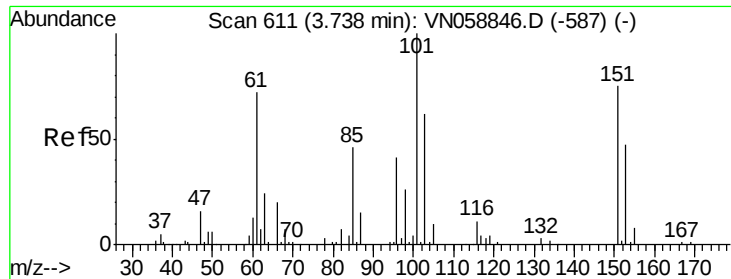


#8

Diethyl Ether
Concen: 49.123 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.0	54.9	164.5





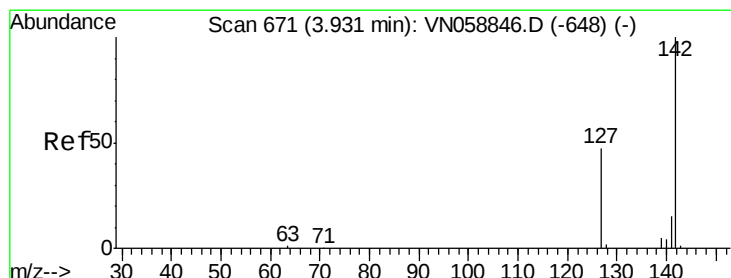
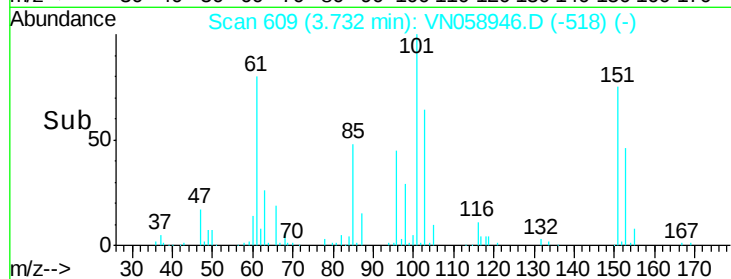
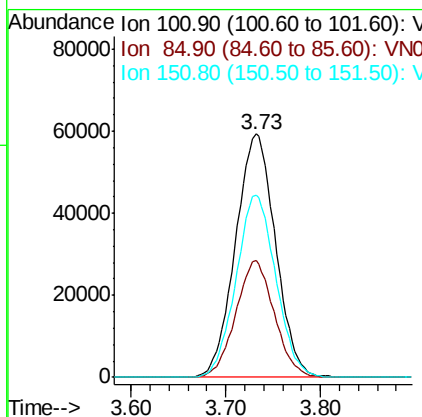
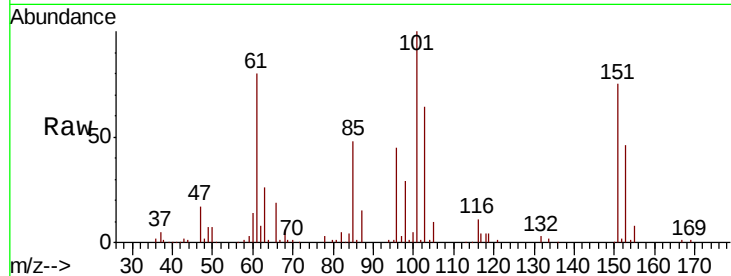
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.497 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.01 min
Lab File: VN058946.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	46.3	37.2	55.8
151	74.4	59.9	89.9

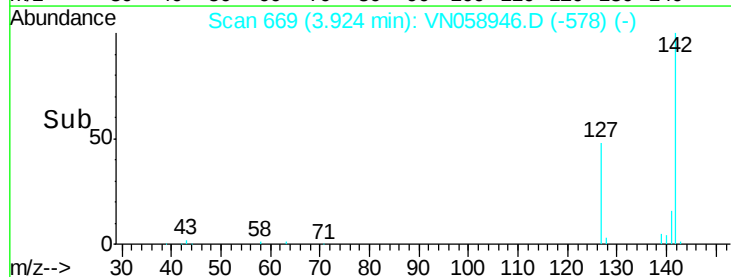
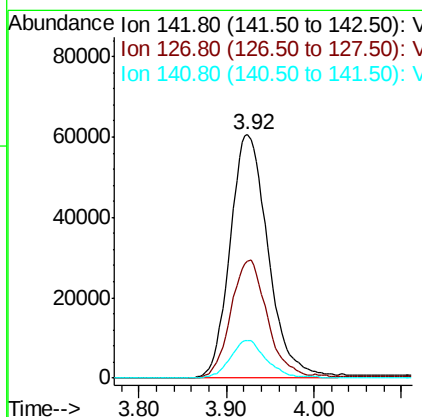
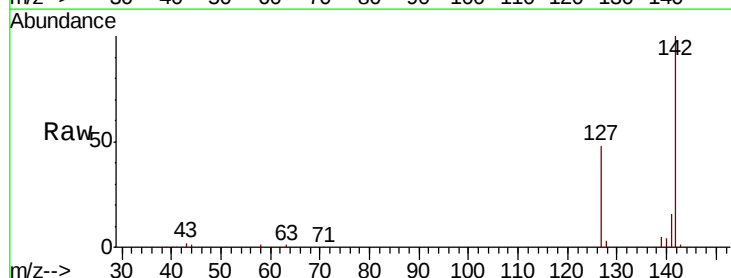
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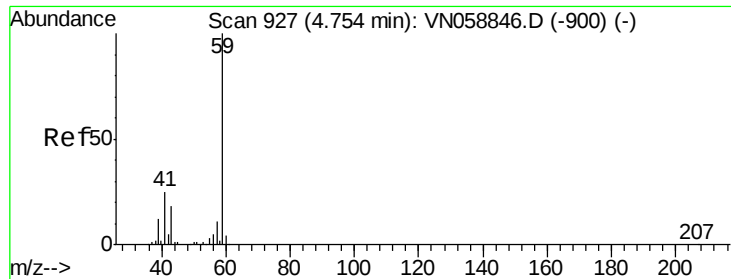
MMDadoda
10/25/2019 2:36:38 PM



#10
Methyl Iodide
Concen: 38.834 ug/l
RT: 3.92 min Scan# 669
Delta R.T. -0.01 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.3	36.6	54.8
141	14.7	11.4	17.2





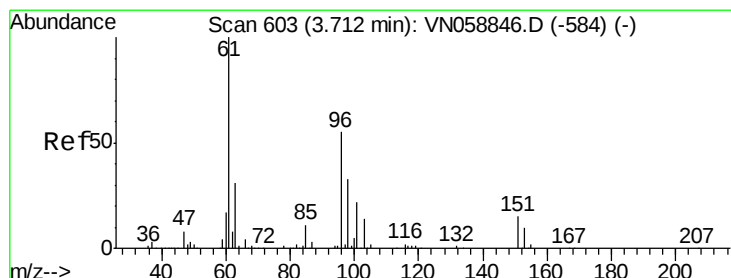
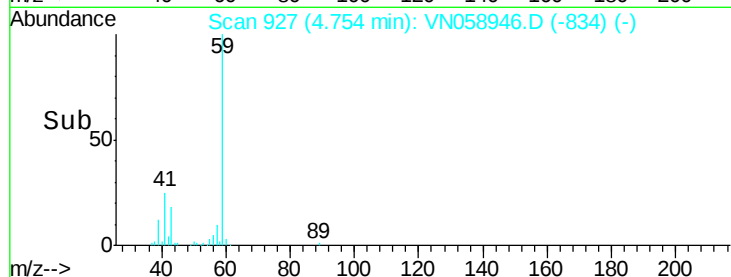
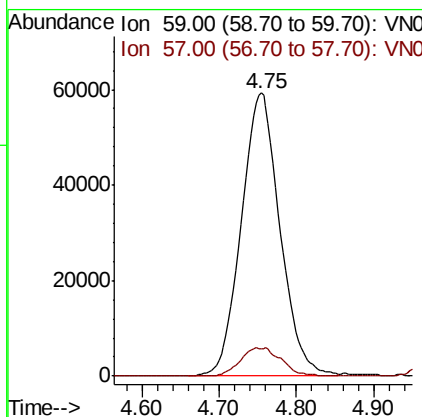
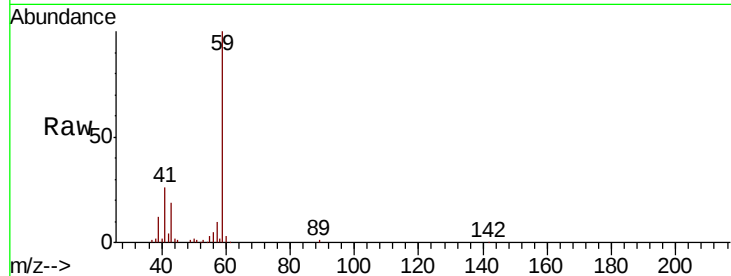
#11
Tert butyl alcohol
Concen: 248.130 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 206334
Ion Ratio Lower Upper
59 100
57 5.4 8.6 12.8#

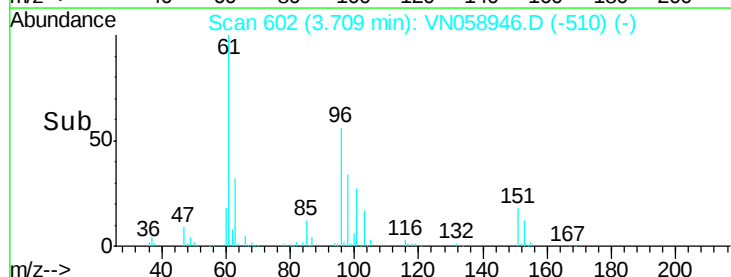
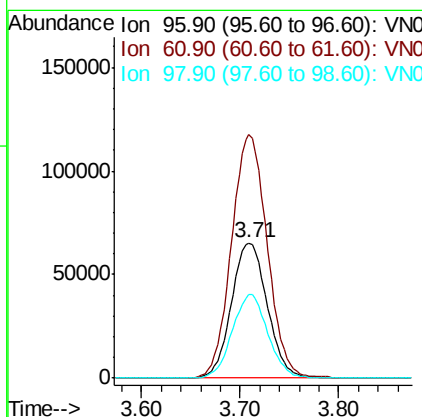
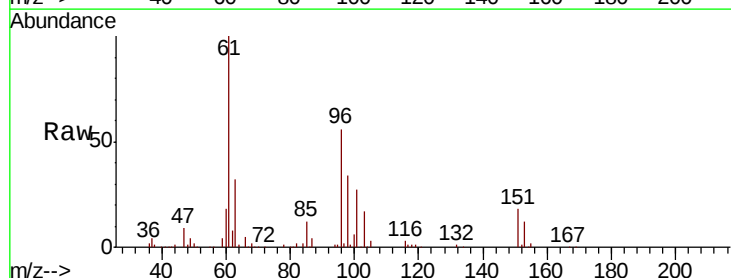
Manual Integrations
APPROVED

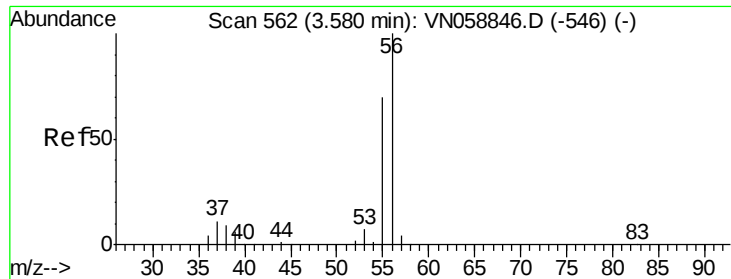
MMDadoda
10/25/2019 2:36:38 PM



#12
1,1-Dichloroethene
Concen: 48.775 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 96 Resp: 164282
Ion Ratio Lower Upper
96 100
61 179.8 146.2 219.2
98 61.7 48.7 73.1





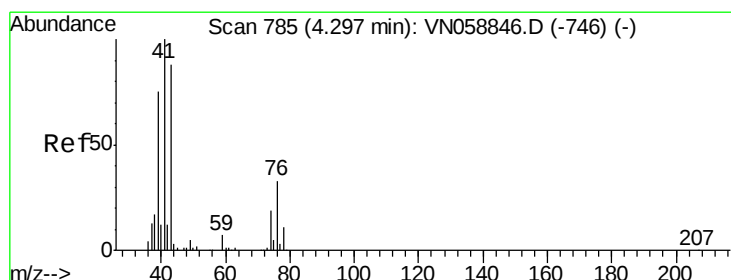
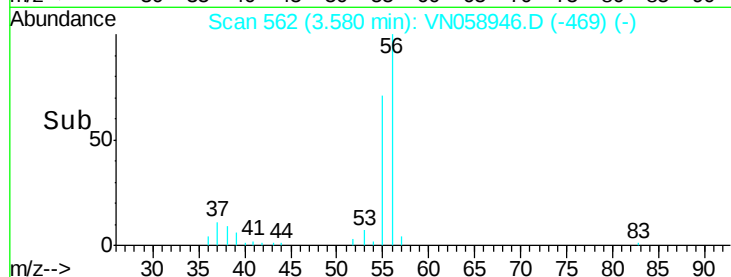
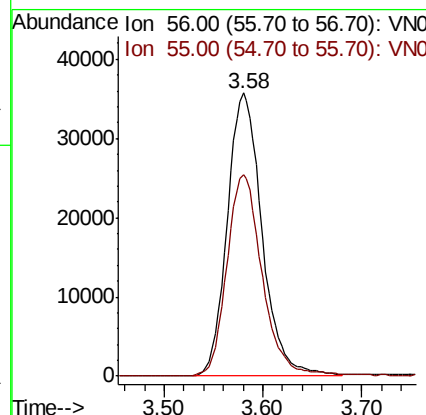
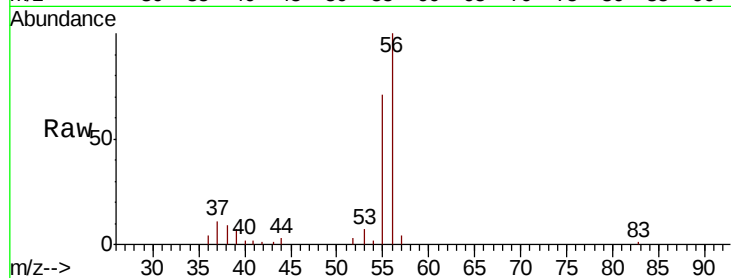
#13
Acrolein
Concen: 153.467 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Resp	Lower	Upper
56	100				
55	72.4		56.6	85.0	

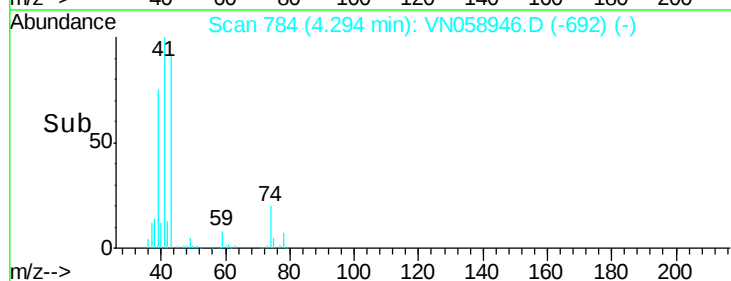
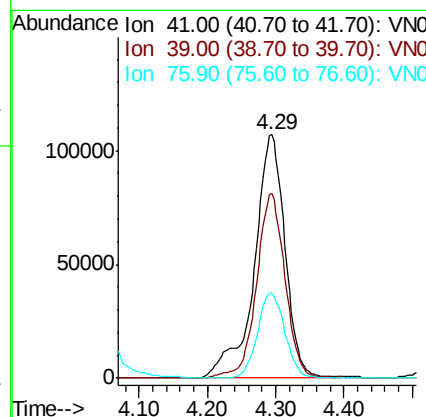
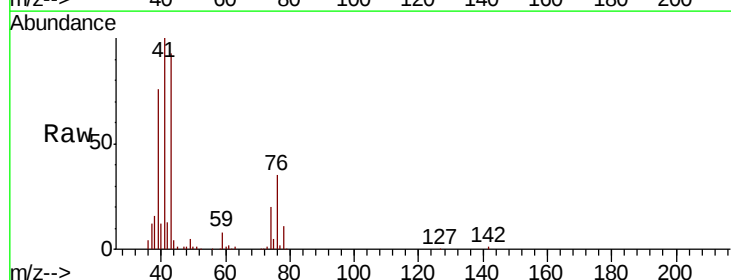
Manual Integrations
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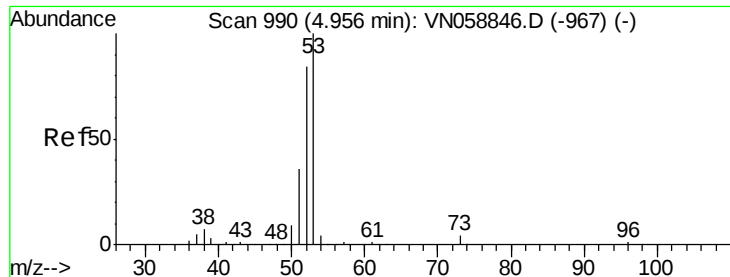
MMDadoda
10/25/2019 2:36:38 PM



#14
Allyl chloride
Concen: 49.401 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	41	39	76	Resp	Lower	Upper
41	100					
39	70.1			55.9	83.9	
76	31.0			24.1	36.1	





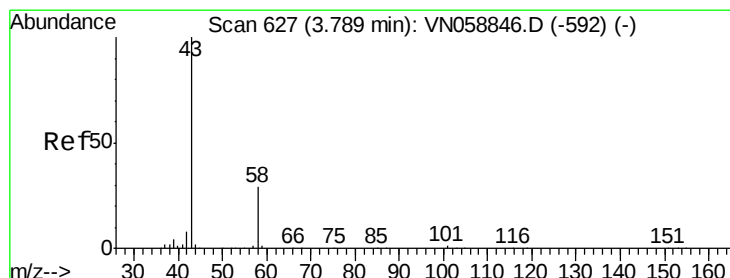
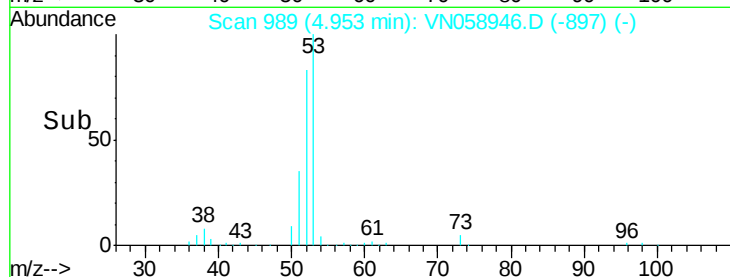
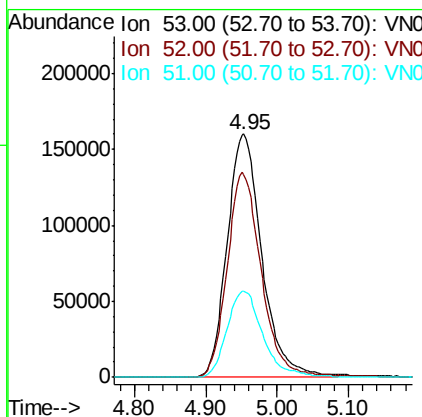
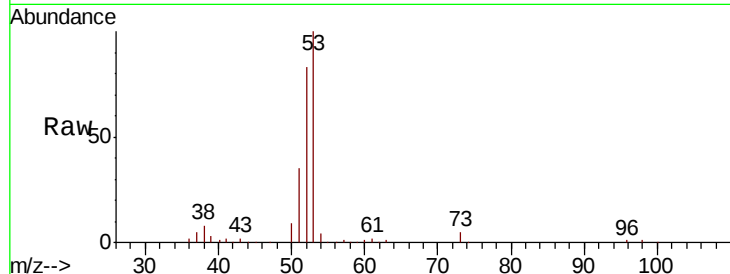
#15
 Acrylonitrile
 Concen: 259.510 ug/l
 RT: 4.95 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	99.8
51	36.8	29.2	43.8

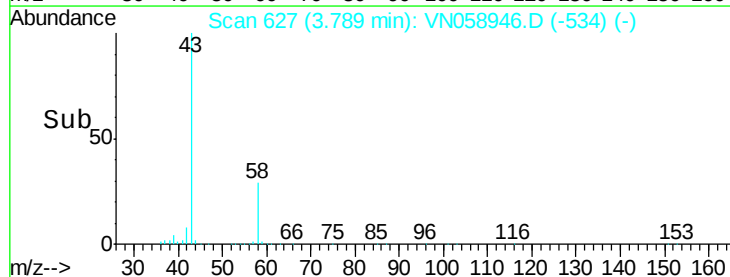
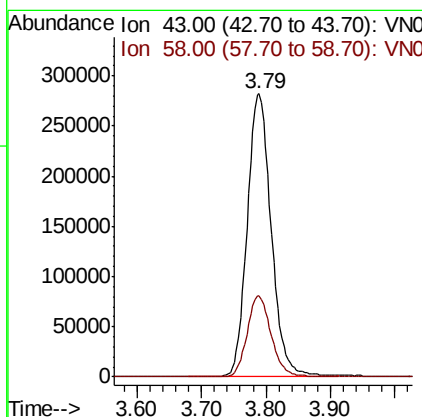
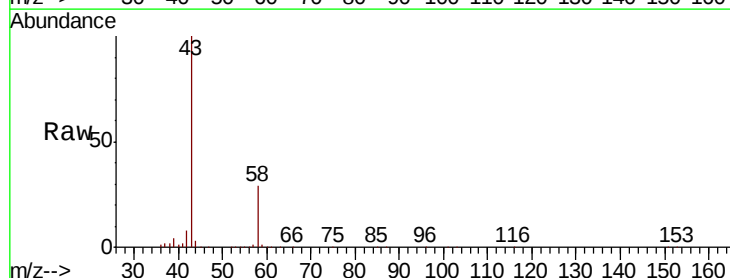
Manual Integrations
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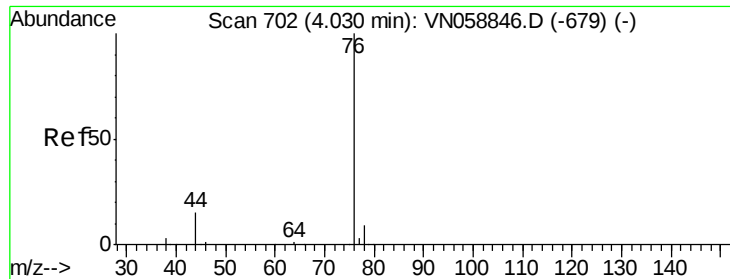
MMDadoda
 10/25/2019 2:36:38 PM



#16
 Acetone
 Concen: 295.306 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.1	34.7





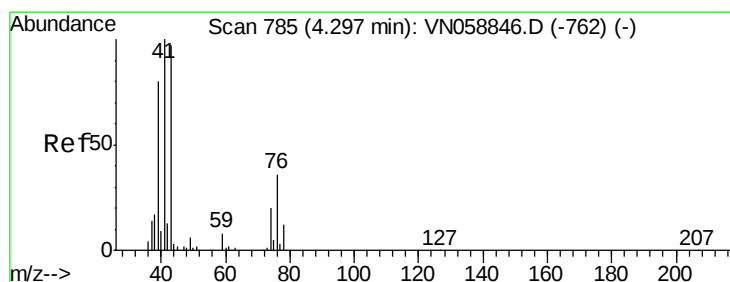
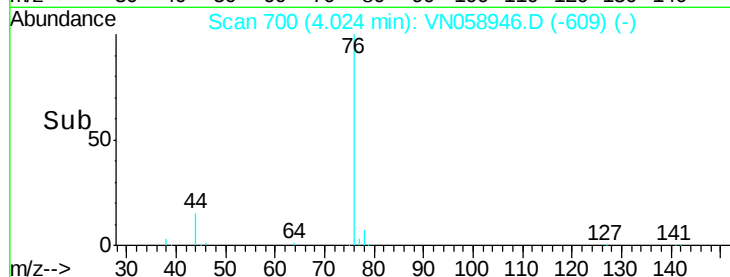
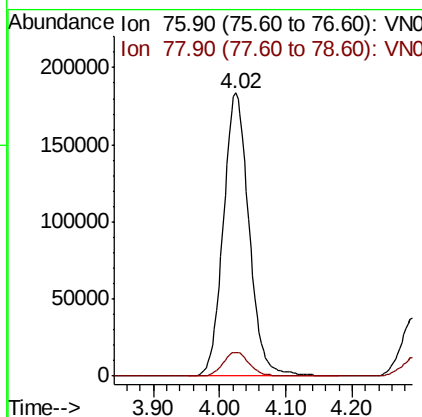
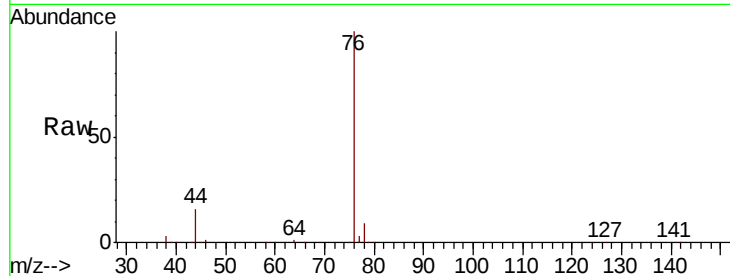
#17
Carbon Disulfide
Concen: 45.532 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.01 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

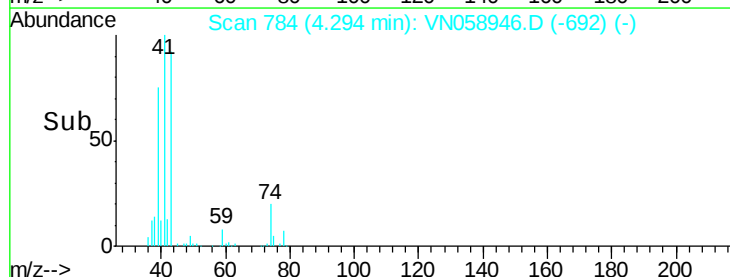
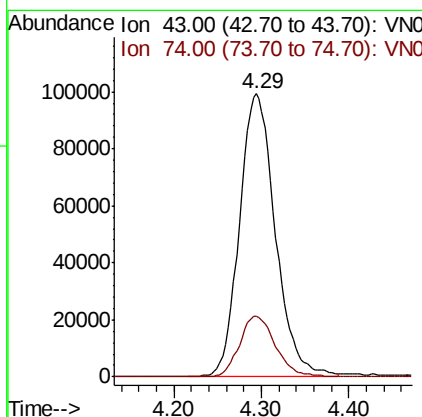
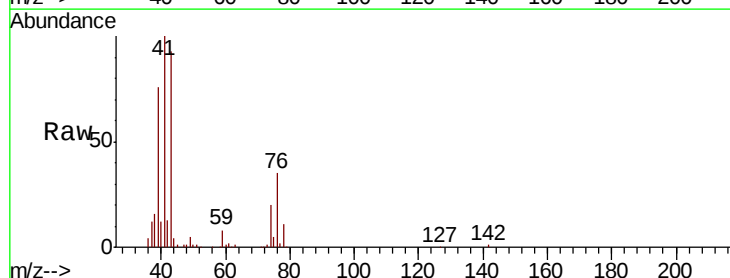
Manual Integrations
APPROVED

MMDadoda
10/25/2019 2:36:38 PM



#18
Methyl Acetate
Concen: 49.718 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.1	25.7





#19

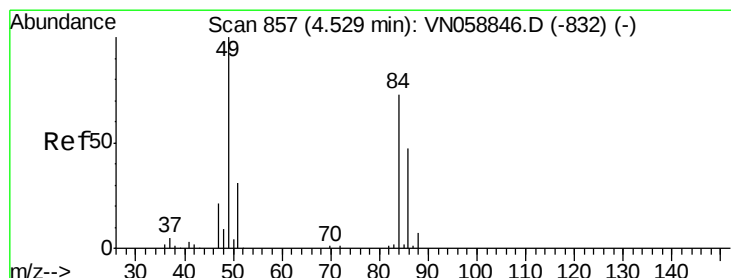
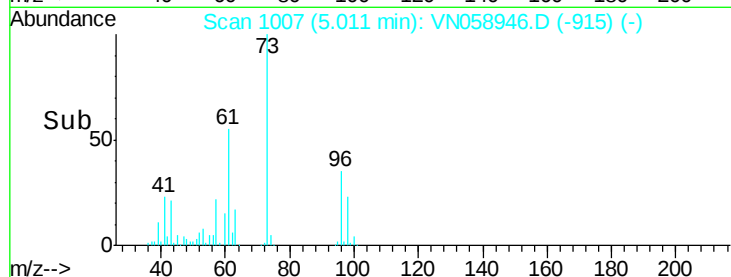
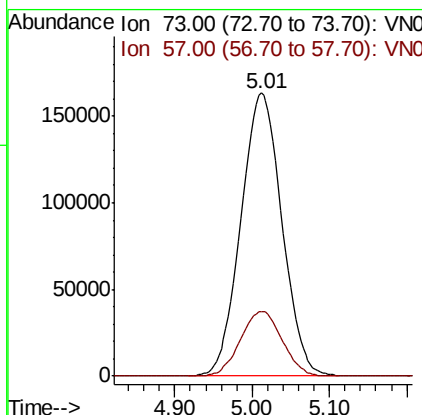
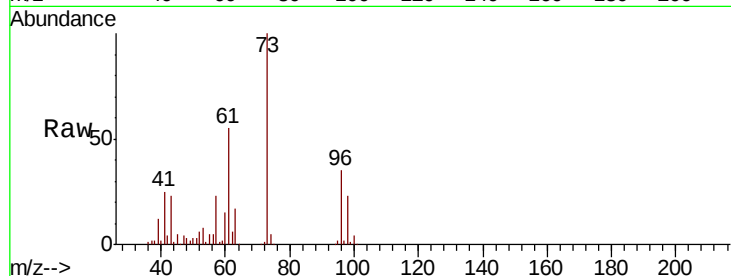
Methyl tert-butyl Ether
 Concen: 51.137 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.9	26.9

Manual Integrations
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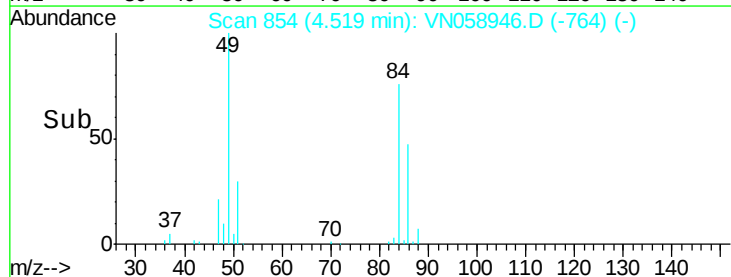
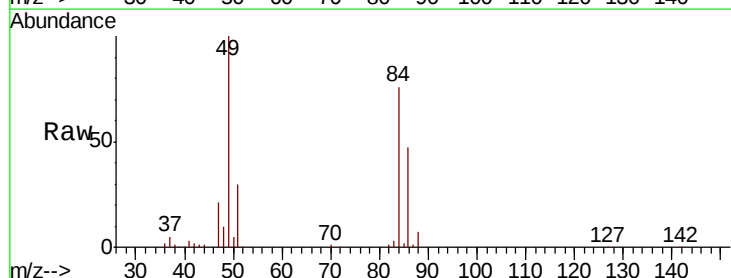
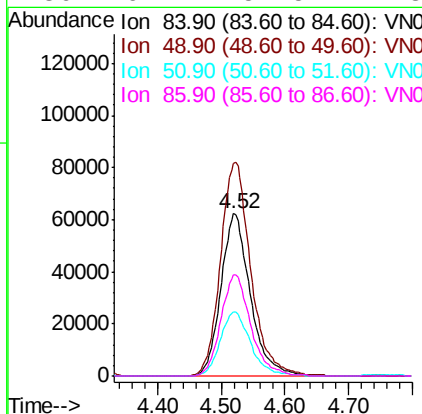
MMDadoda
 10/25/2019 2:36:38 PM

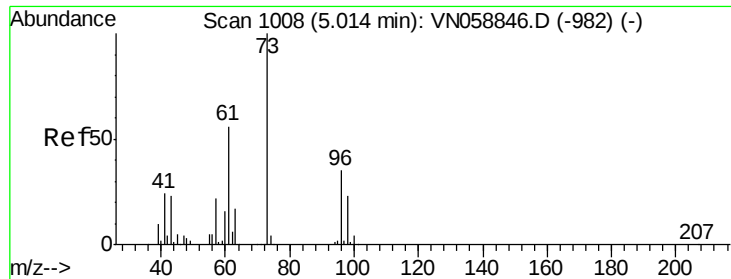


#20

Methylene Chloride
 Concen: 47.207 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.8	109.6	164.4
51	39.5	33.8	50.6
86	62.1	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 49.430 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

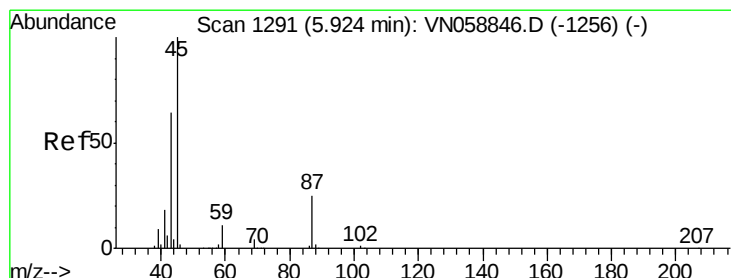
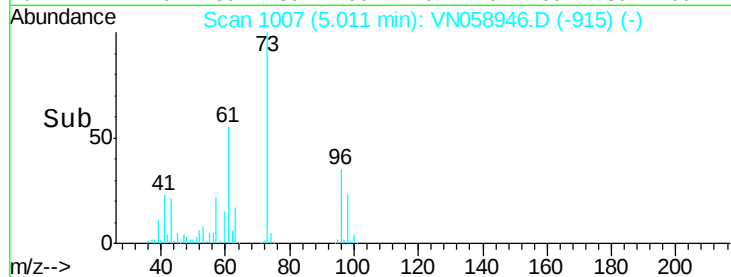
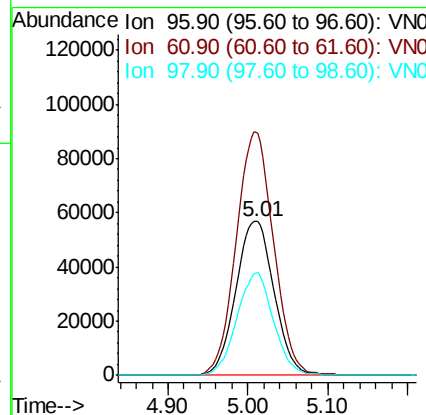
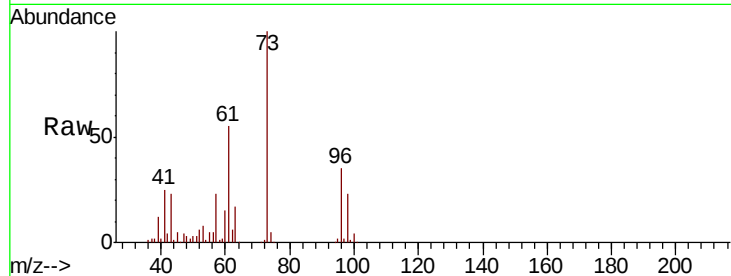
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	183862
Ion	Ratio	Lower	Upper
96	100		
61	157.9	126.7	190.1
98	66.5	52.0	78.0

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#22

Diisopropyl ether

Concen: 52.492 ug/l

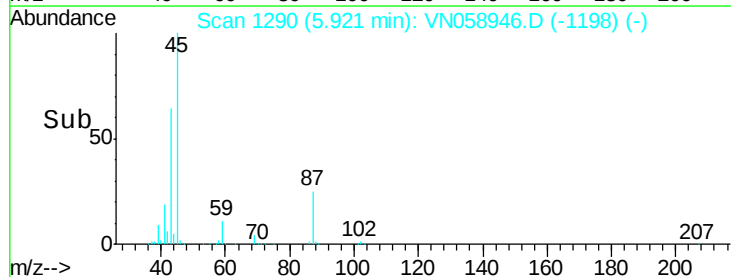
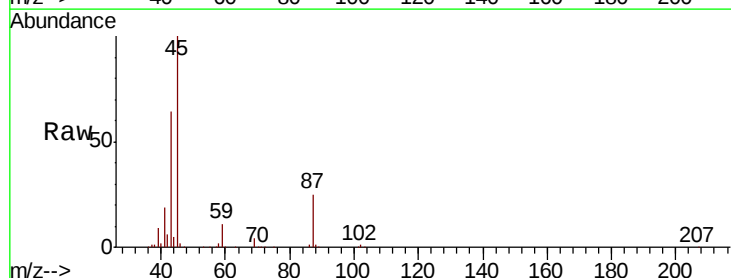
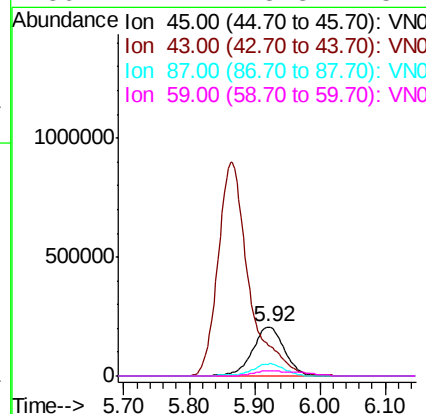
RT: 5.92 min Scan# 1290

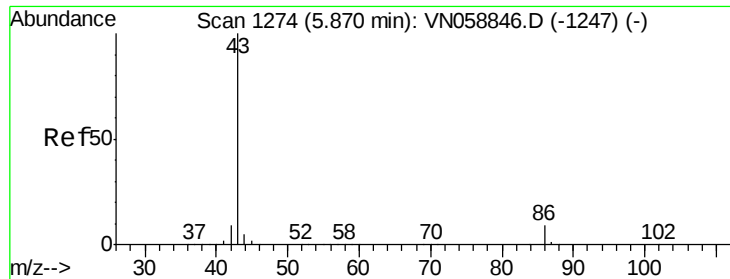
Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion:	45	Resp:	699769
Ion	Ratio	Lower	Upper
45	100		
43	62.7	52.9	79.3
87	24.7	20.2	30.4
59	11.1	8.8	13.2





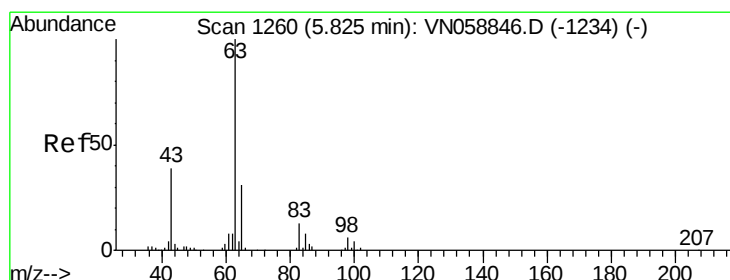
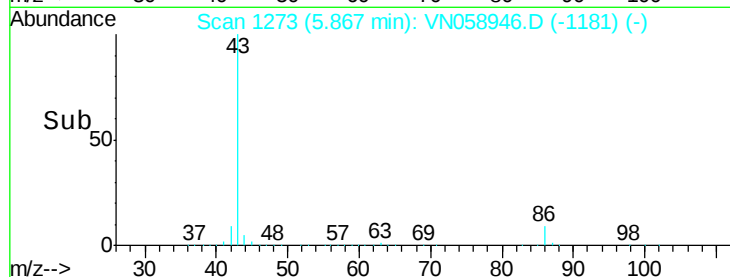
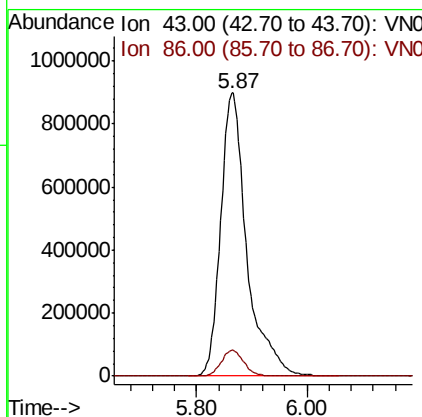
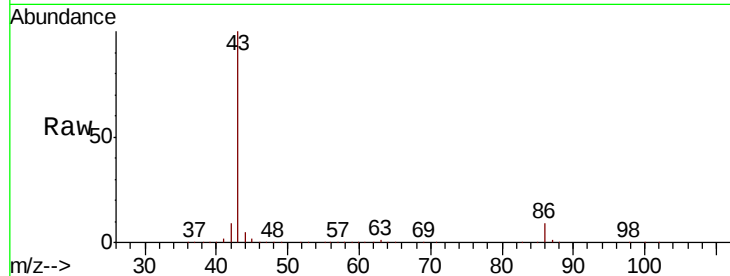
#23
 Vinyl Acetate
 Concen: 275.204 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2947570
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.2 10.8

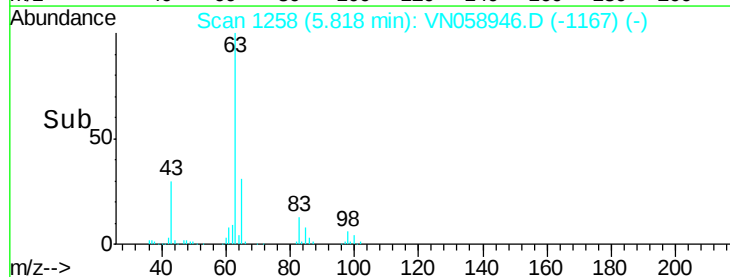
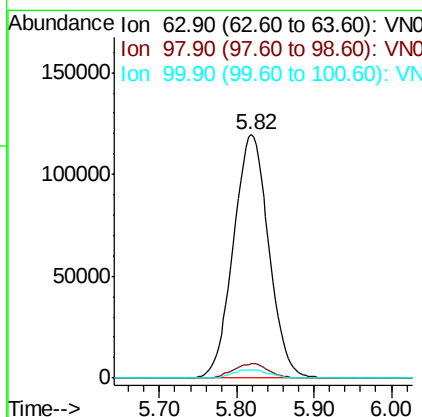
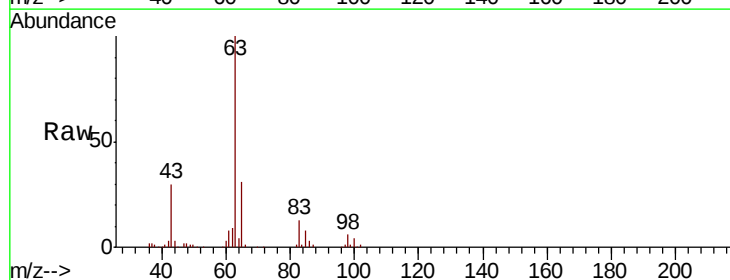
Manual Integrations
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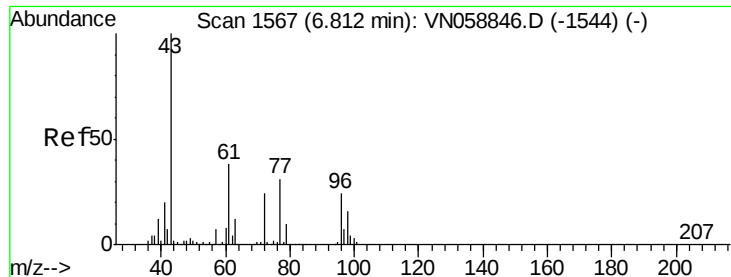
MMDadoda
 10/25/2019 2:36:38 PM



#24
 1,1-Dichloroethane
 Concen: 49.050 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion: 63 Resp: 379155
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.4
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 273.339 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tot Ion: 43 Resp: 878592

Ion Ratio Lower Upper

43 100

72 23.8 19.1 28.7

Instrument :

MSVOA_N

ClientSampleId :

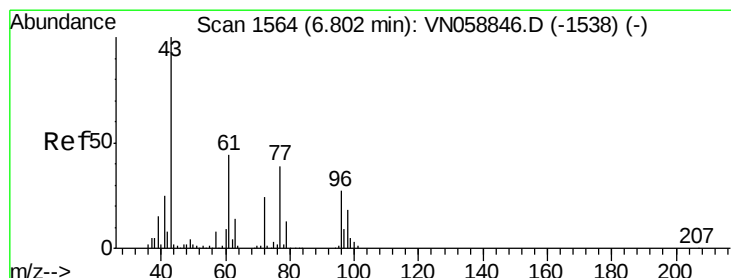
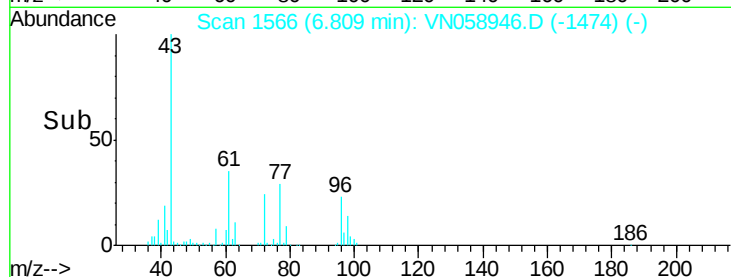
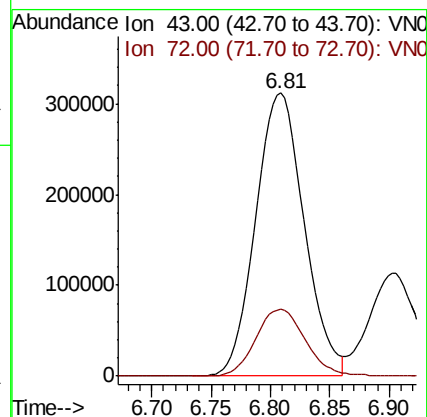
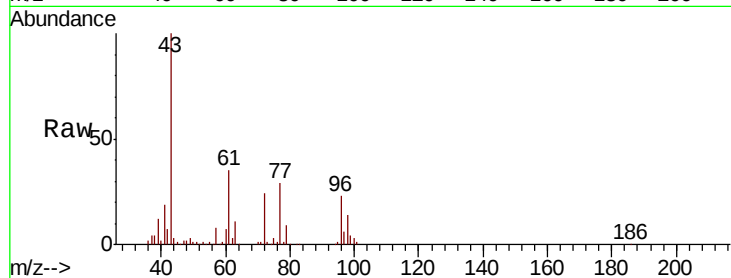
VSTDCCC050

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 49.560 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058946.D

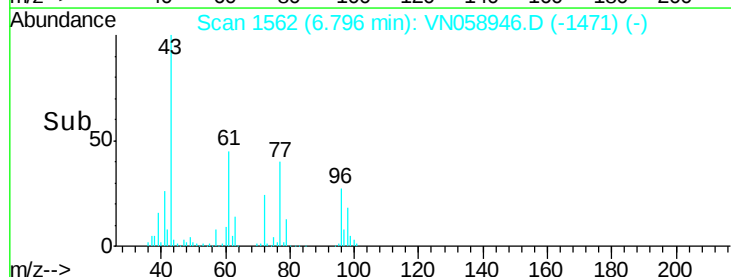
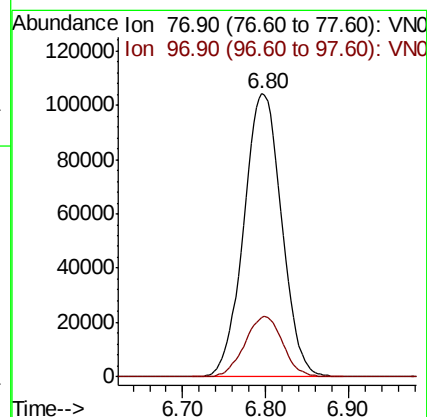
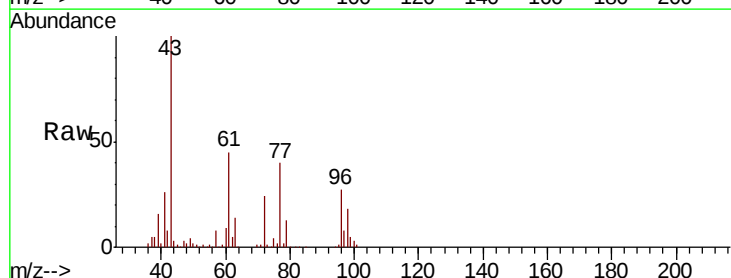
Acq: 24 Oct 2019 9:27

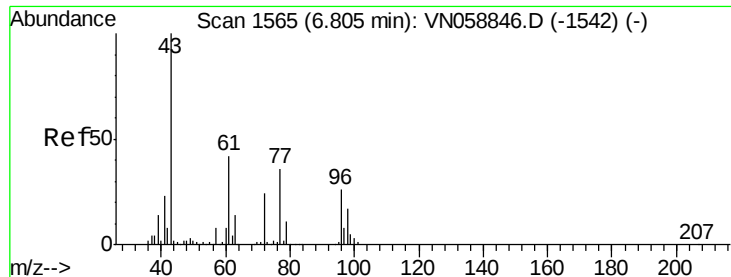
Tgt Ion: 77 Resp: 331366

Ion Ratio Lower Upper

77 100

97 21.3 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 49.893 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

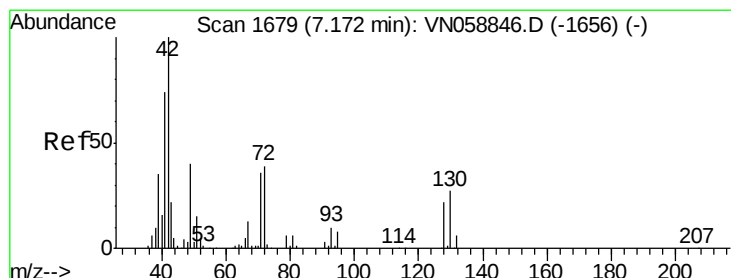
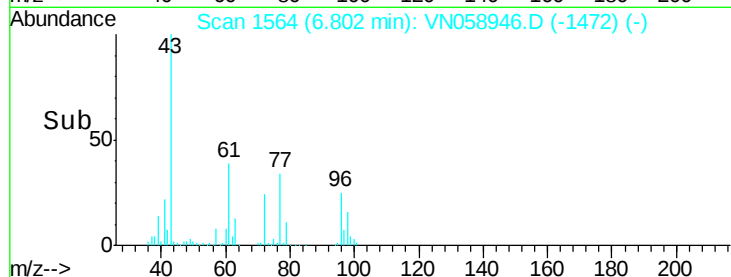
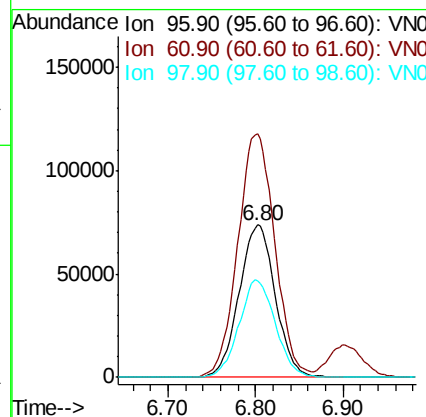
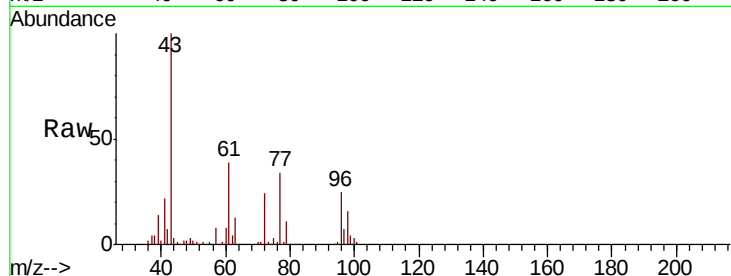
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	212004
Ion	Ratio	Lower	Upper
96	100		
61	163.2	0.0	325.0
98	64.1	0.0	128.0

Manual Integrations
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#28

Bromochloromethane

Concen: 49.580 ug/l

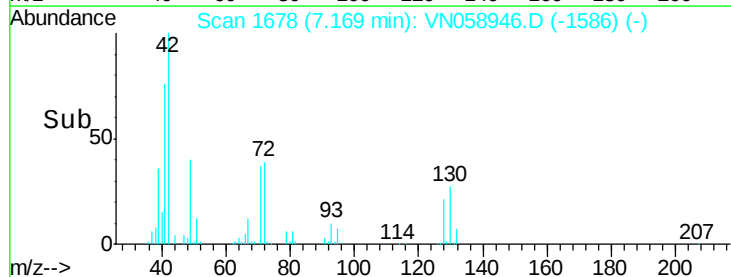
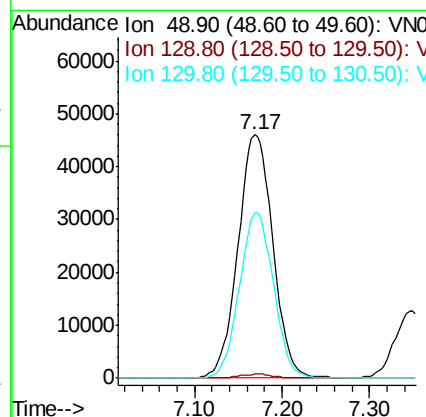
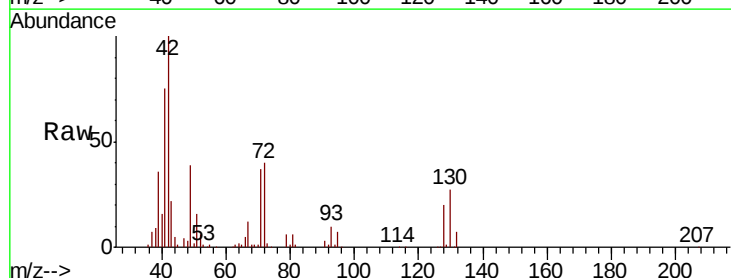
RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion:	49	Resp:	127638
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	66.3	53.5	80.3





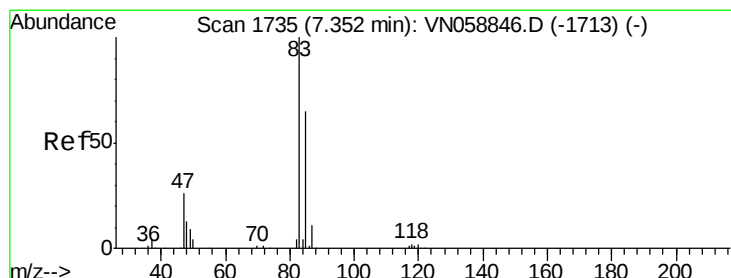
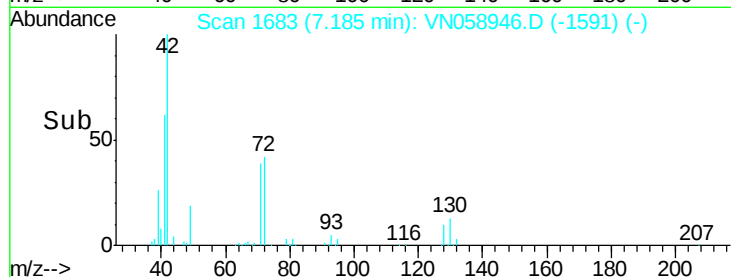
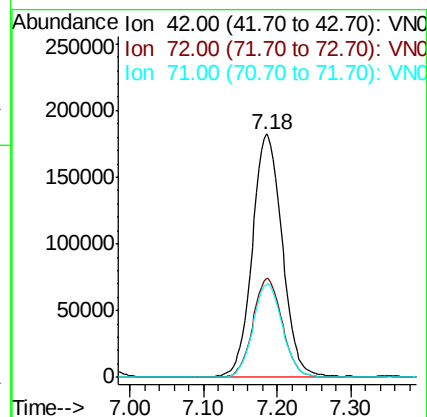
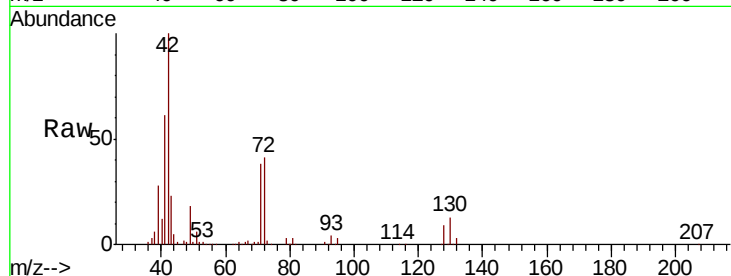
#29
Tetrahydrofuran
Concen: 261.682 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.2	48.2
71	37.9	30.6	45.8

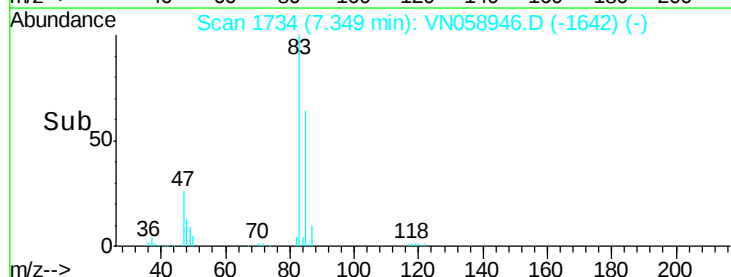
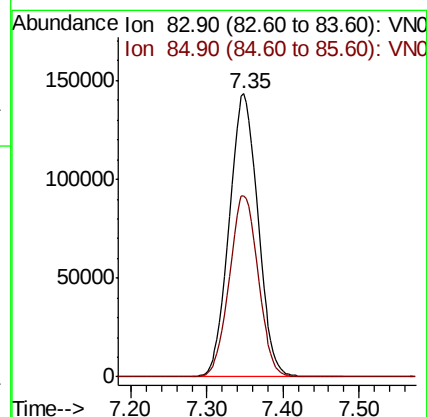
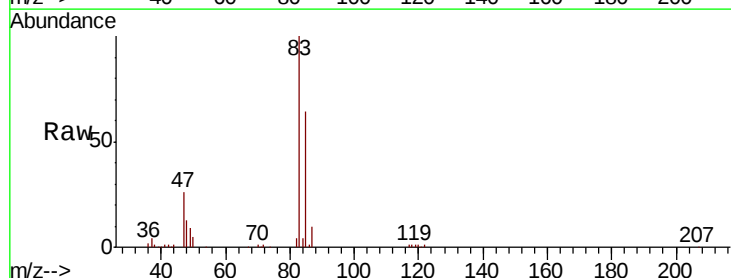
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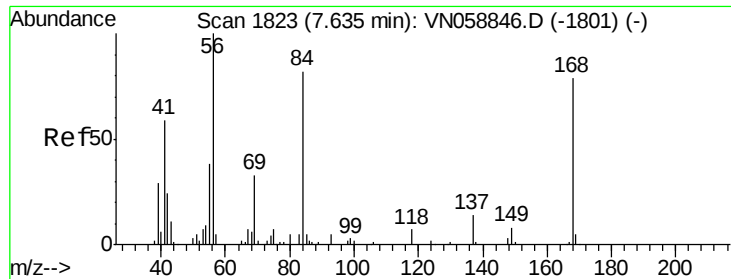
MMDadoda
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#30
Chloroform
Concen: 48.770 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.9	77.9





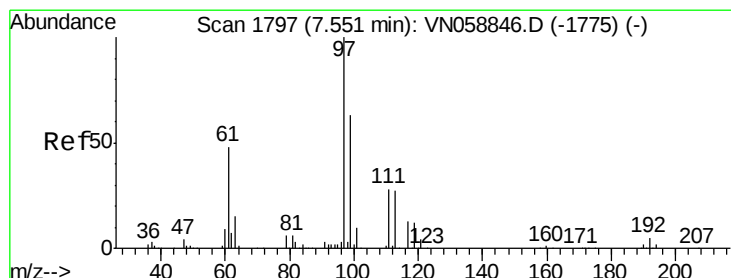
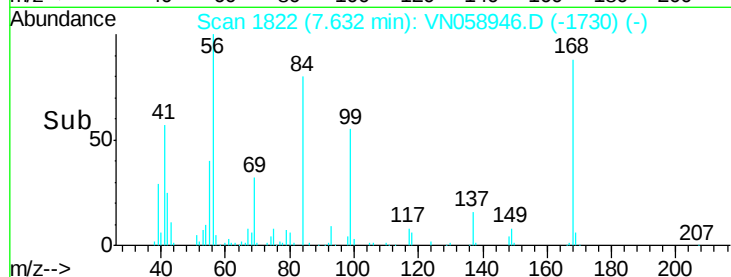
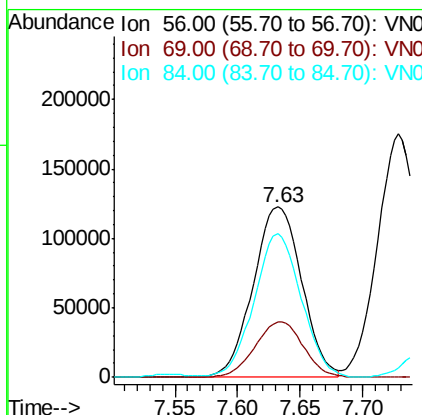
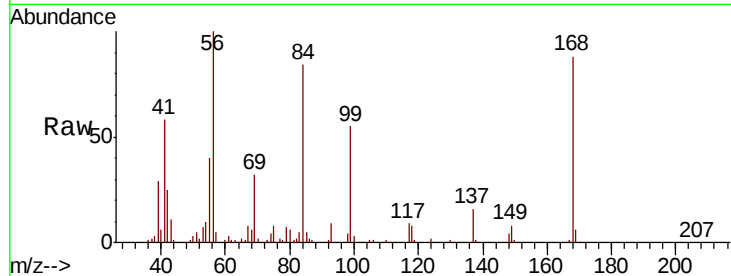
#31
Cyclohexane
Concen: 45.978 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.2	39.4
84	82.8	65.6	98.4

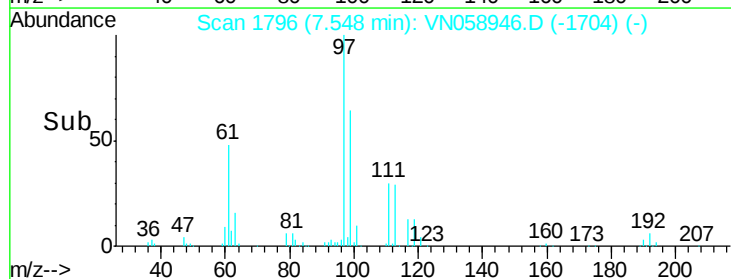
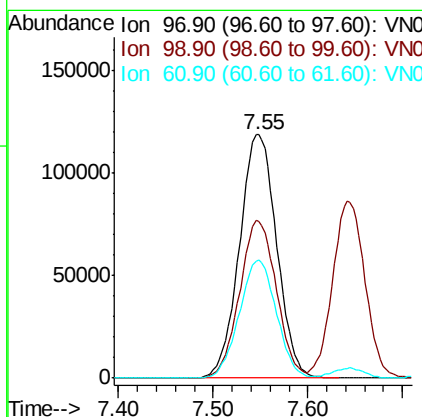
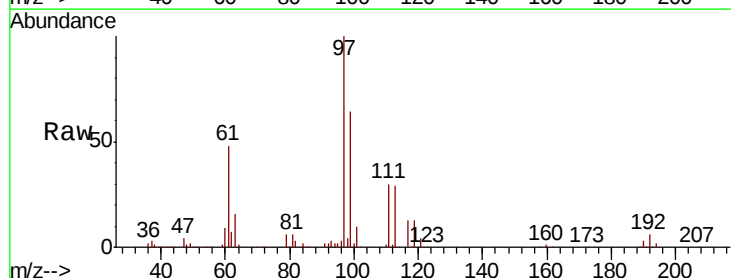
Manual Integrations
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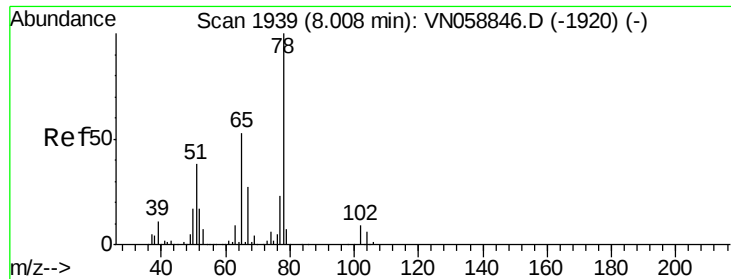
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.696 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	48.3	38.6	58.0





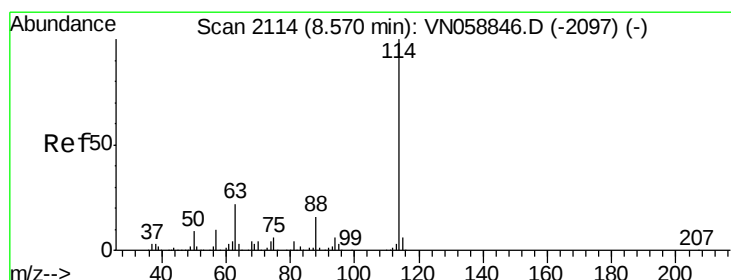
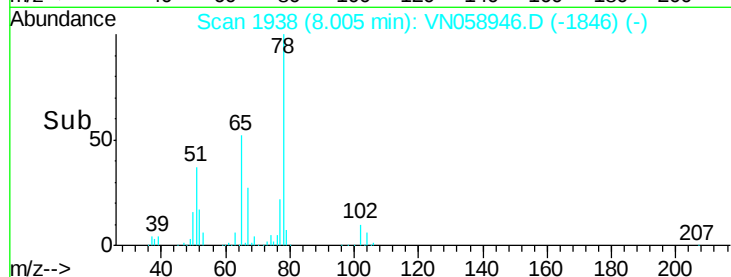
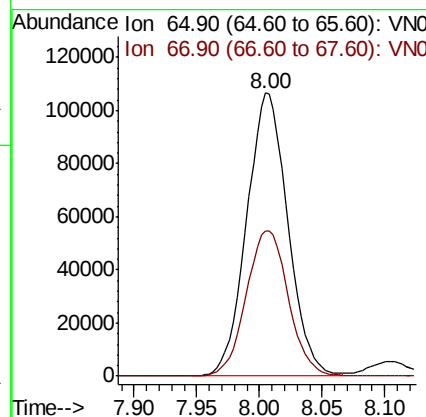
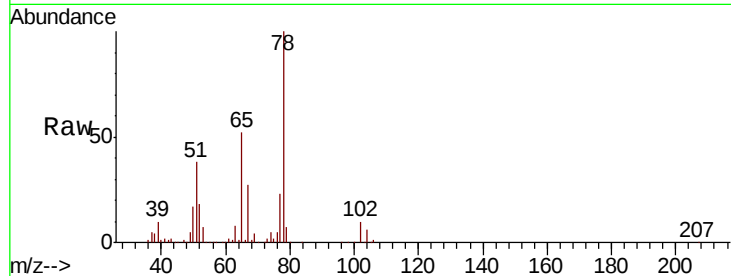
#33
 1,2-Dichloroethane-d4
 Concen: 48.585 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	243459		
67	52.6	0.0	103.2	

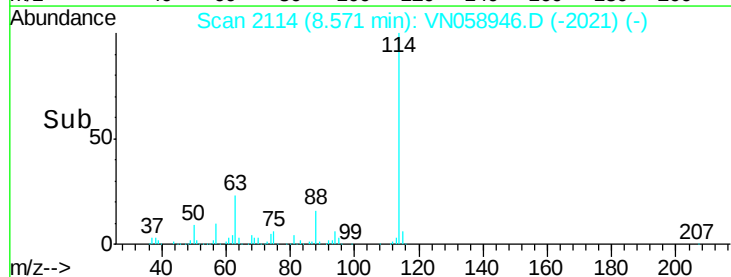
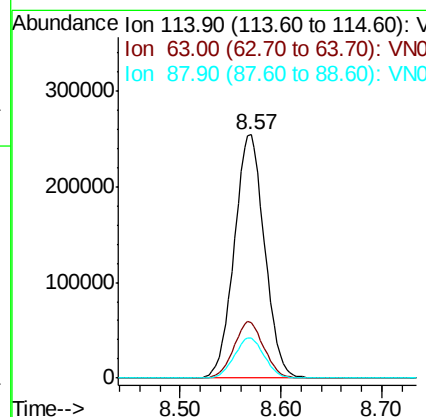
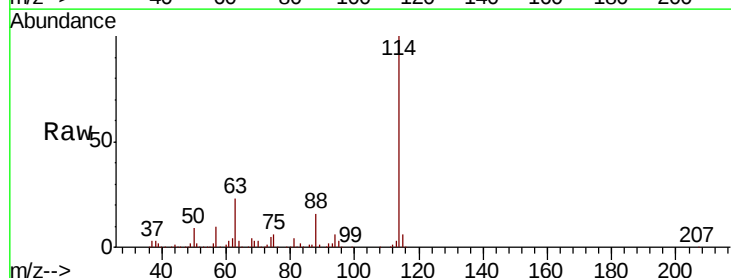
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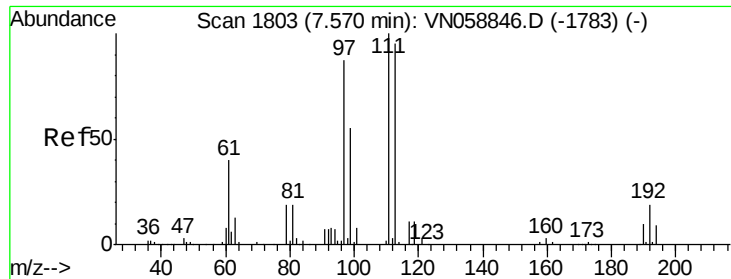
MMDadoda
 10/25/2019 2:36:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	531353		
63	23.0	0.0	44.4	
88	16.3	0.0	31.4	





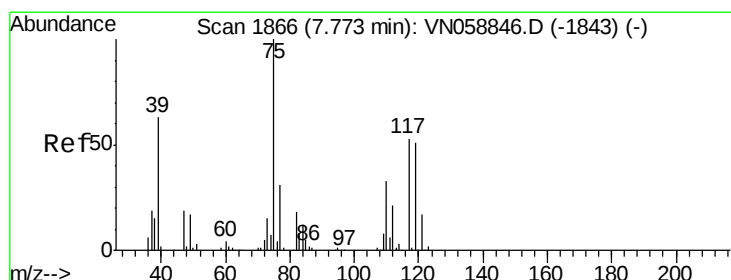
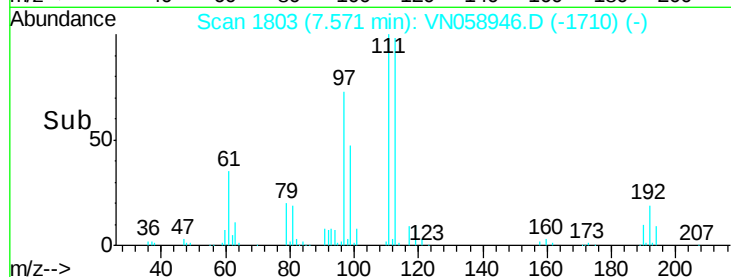
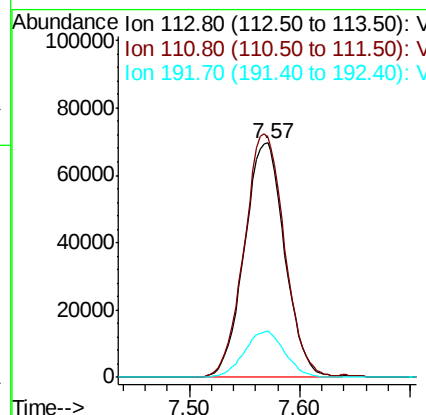
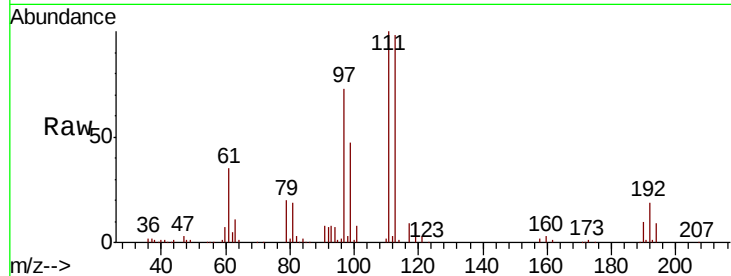
#35
 Dibromofluoromethane
 Concen: 50.501 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176425		
111	104.2	82.0	123.0	
192	19.7	15.0	22.6	

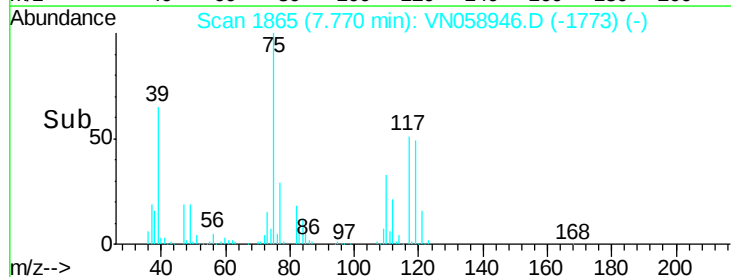
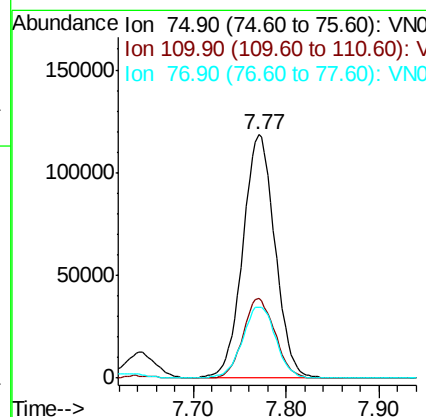
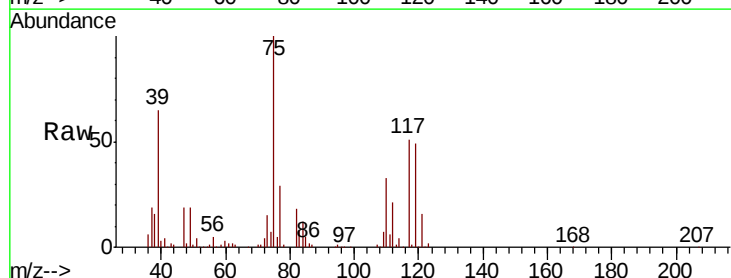
Manual Integrations
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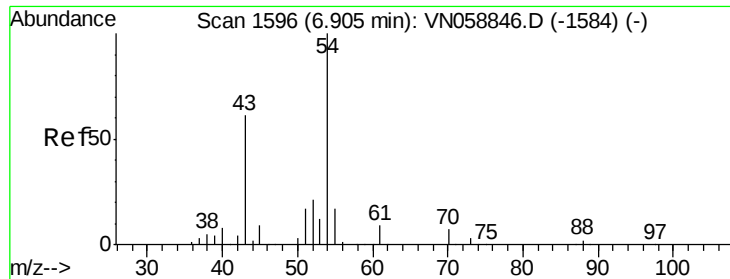
MMDadoda
 10/25/2019 2:36:38 PM



#36
 1,1-Dichloropropene
 Concen: 52.214 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	284040		
110	32.5	16.3	48.9	
77	30.6	24.6	36.8	





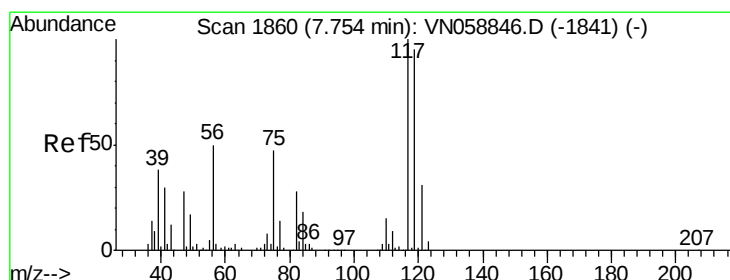
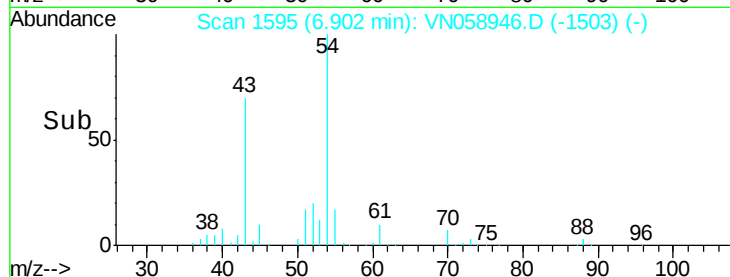
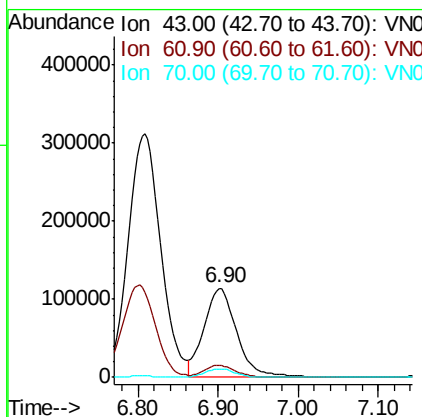
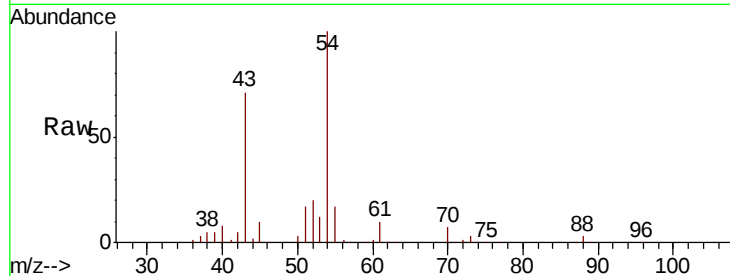
#37
Ethyl Acetate
Concen: 54.308 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.2	7.6	11.4

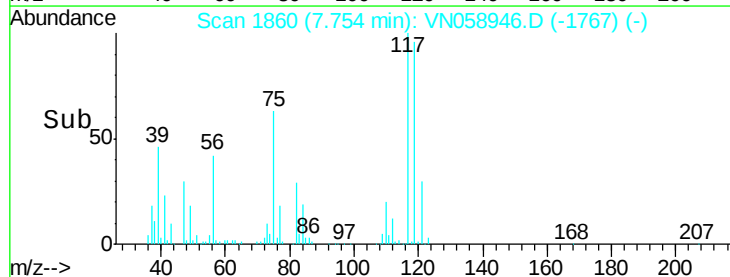
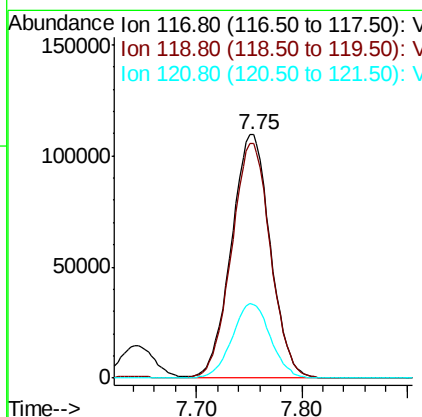
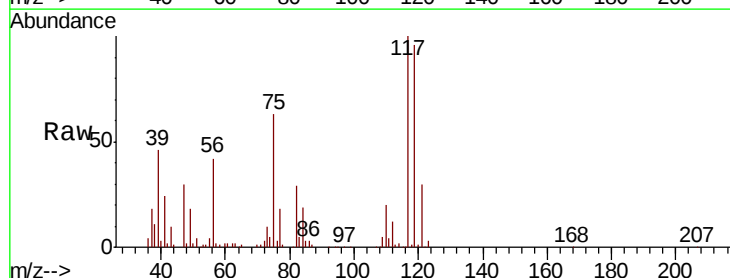
Manual Integrations
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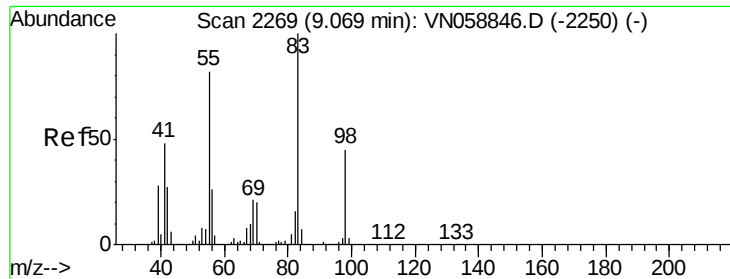
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#38
Carbon Tetrachloride
Concen: 50.254 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.7	113.5
121	30.3	25.0	37.6





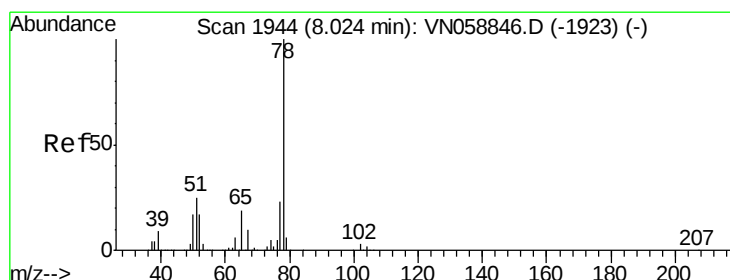
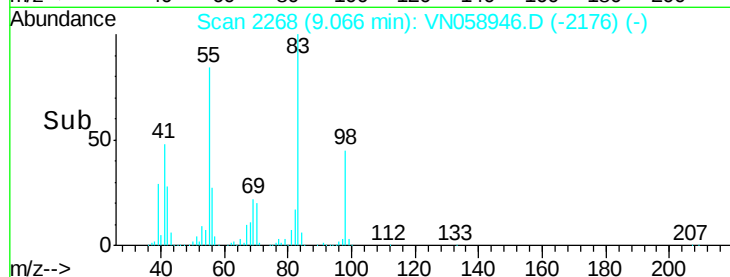
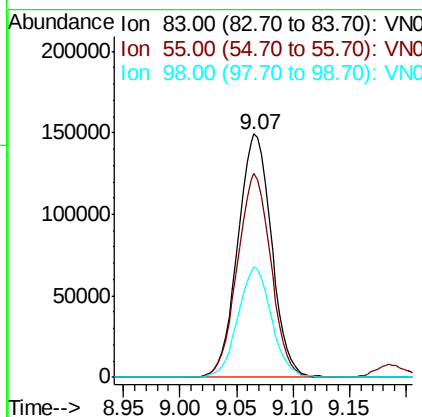
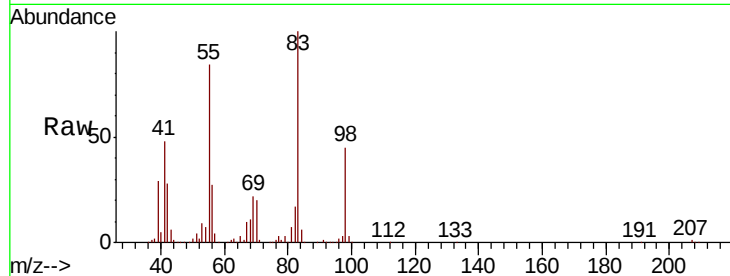
#39
Methvlcvclohexane
Concen: 50.818 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.9	65.5	98.3
98	45.1	35.7	53.5

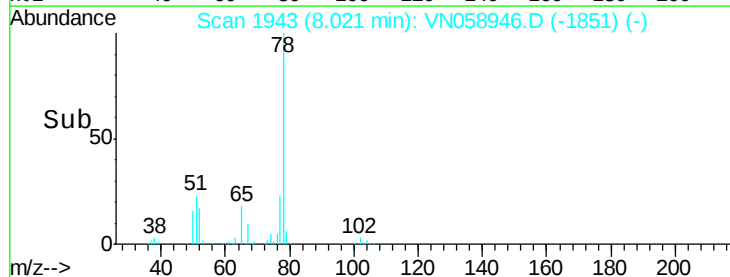
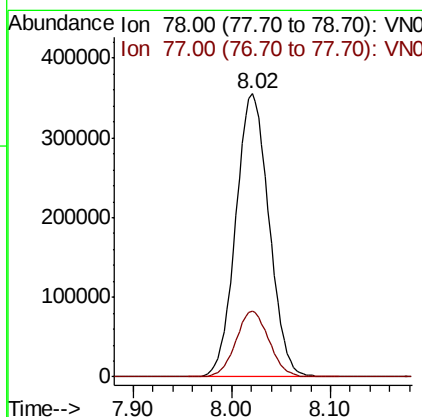
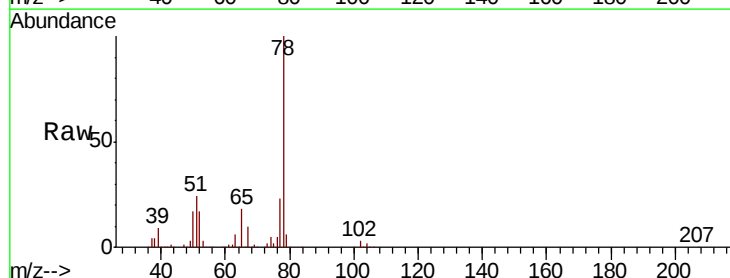
Manual Integrations
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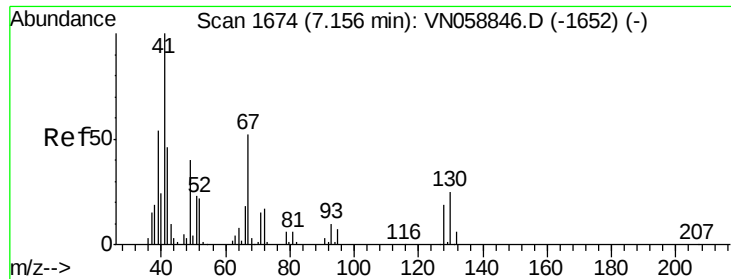
MMDadoda
10/25/2019 2:36:38 PM



#40
Benzene
Concen: 52.032 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.2	27.2





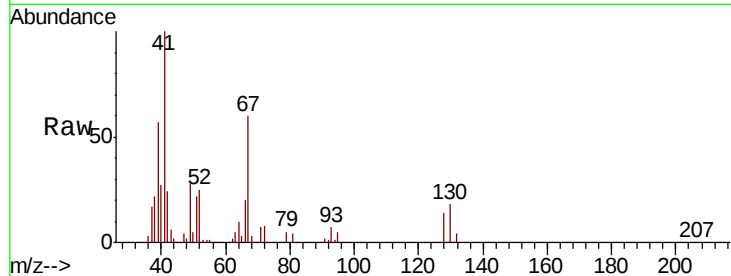
#41
Methacrylonitrile
Concen: 50.745 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

Manual Integrations
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10/25/2019 2:36:38 PM

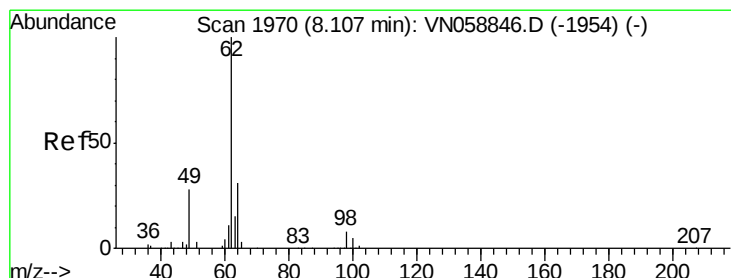
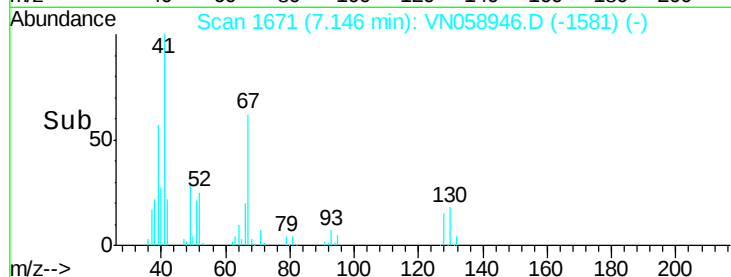
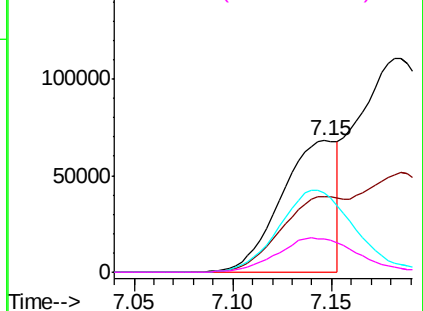


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-1652) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-1652) (-)

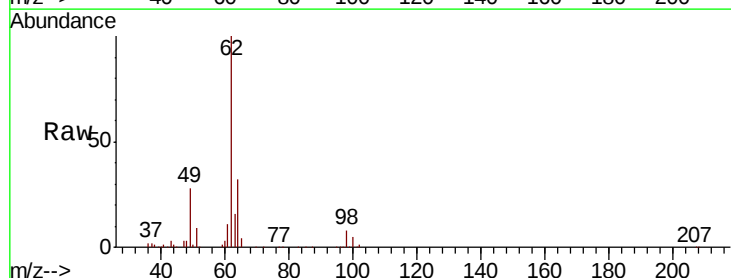
Ion 67.00 (66.70 to 67.70): VN058846.D (-1652) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-1652) (-)



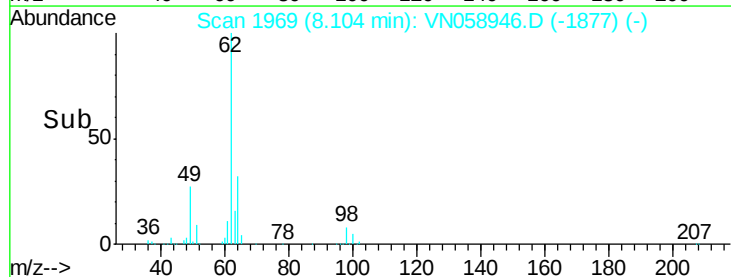
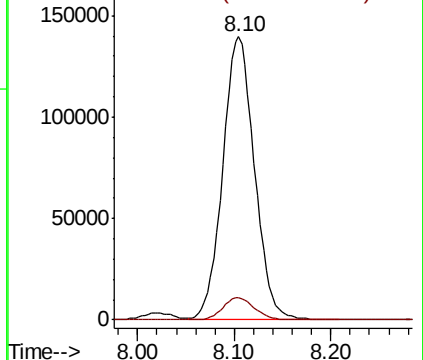
#42
1,2-Dichloroethane
Concen: 51.471 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

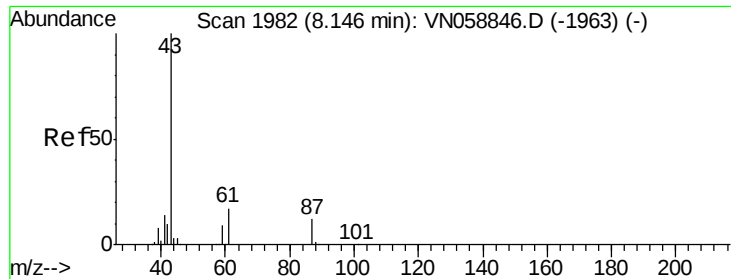
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VN058846.D (-1954) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1954) (-)





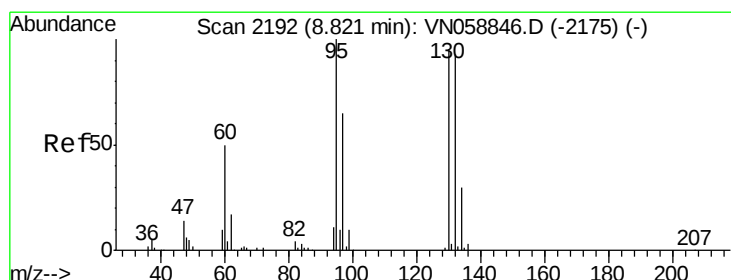
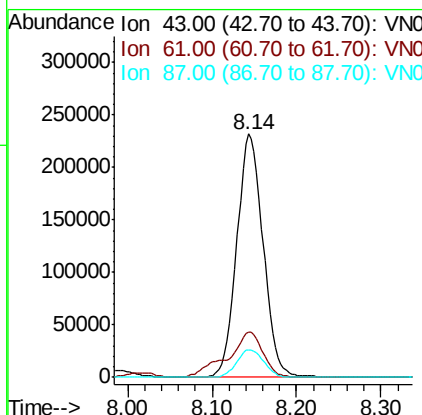
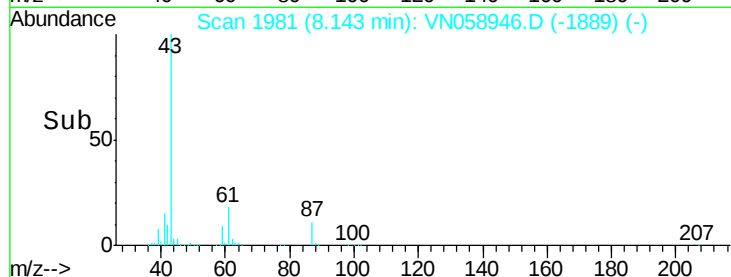
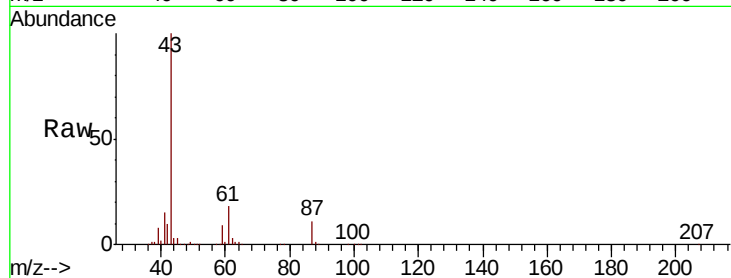
#43
Isopropyl Acetate
Concen: 52.861 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.2	30.2
87	11.8	9.5	14.3

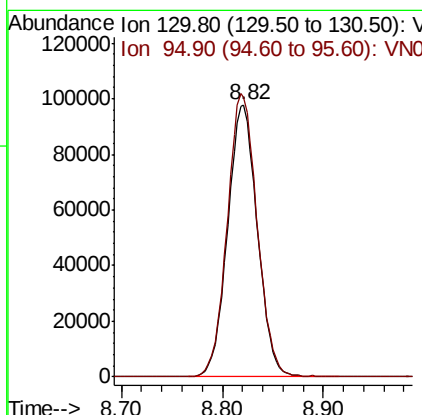
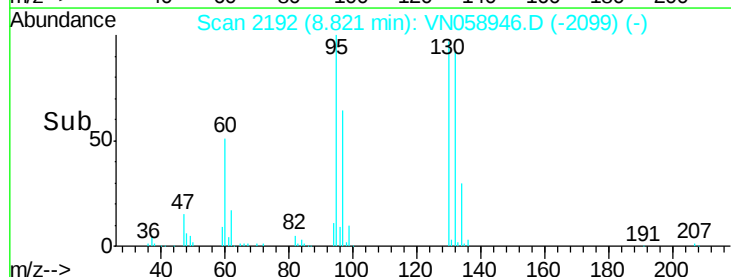
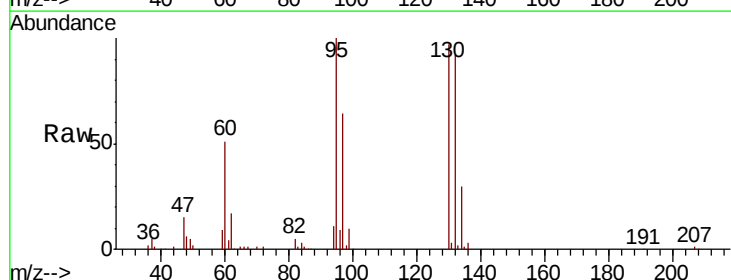
Manual Integrations
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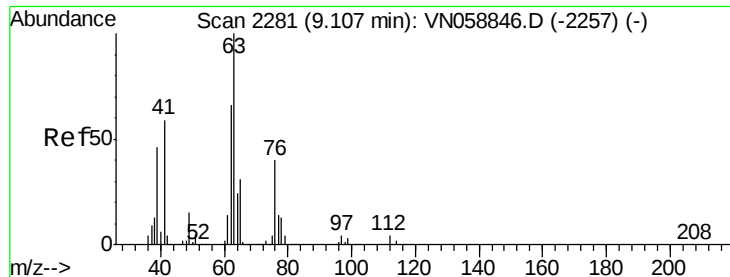
MMDadoda
10/25/2019 2:36:38 PM



#44
Trichloroethene
Concen: 51.612 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	209.6





#45

1,2-Dichloropropane

Concen: 52.025 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 227890

Ion Ratio Lower Upper

63 100

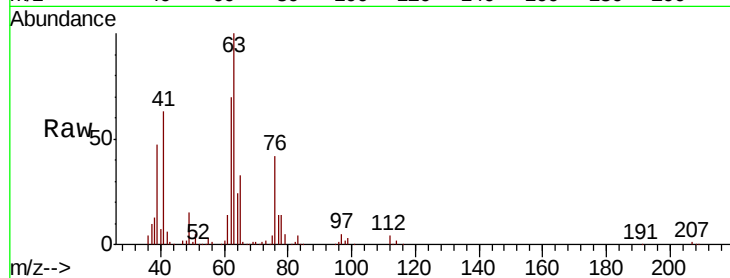
65 32.6 24.5 36.7

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

120000

100000

80000

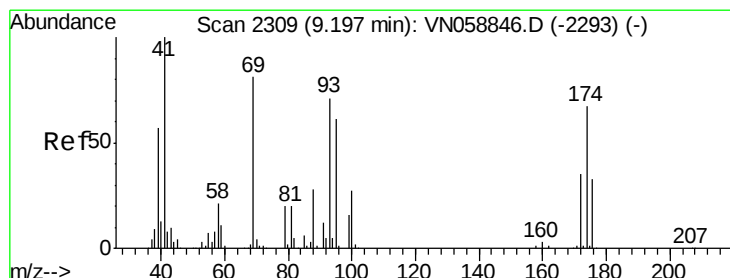
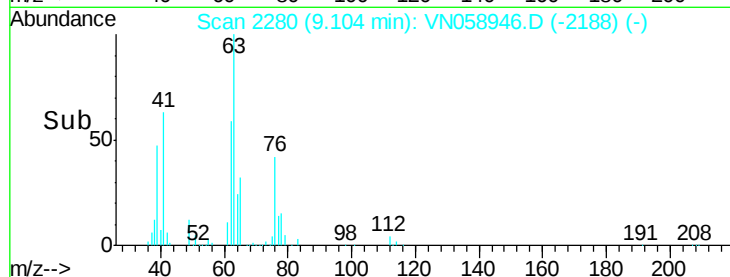
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 52.298 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

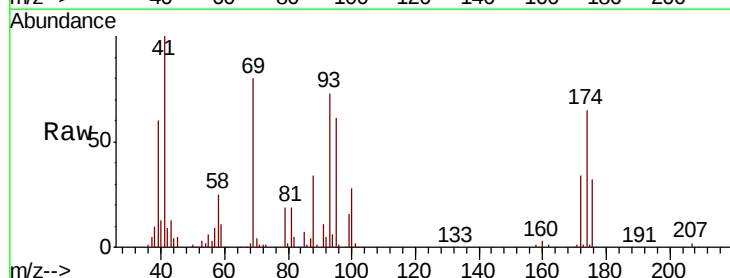
Tgt Ion: 93 Resp: 144823

Ion Ratio Lower Upper

93 100

95 83.7 67.6 101.4

174 92.6 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

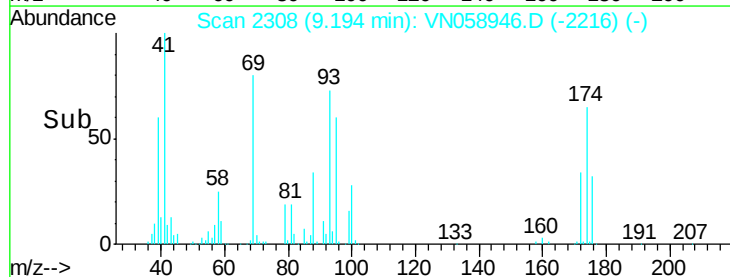
60000

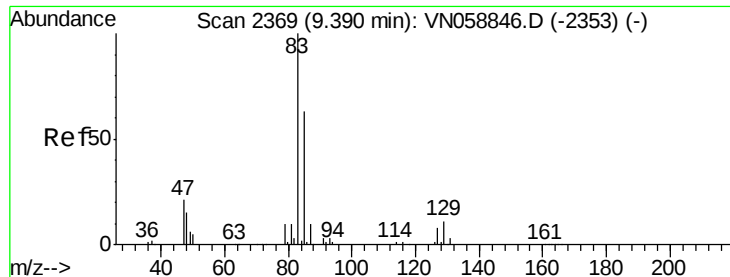
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 53.286 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

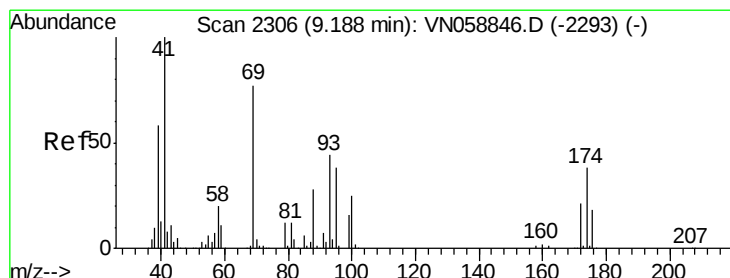
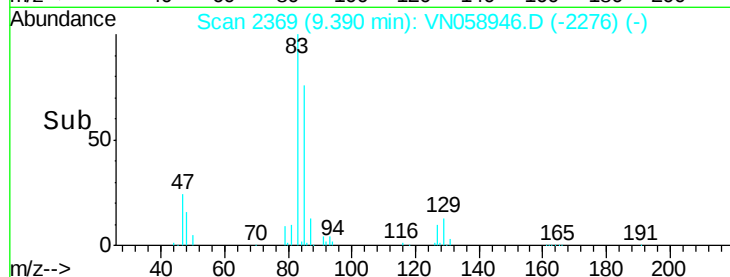
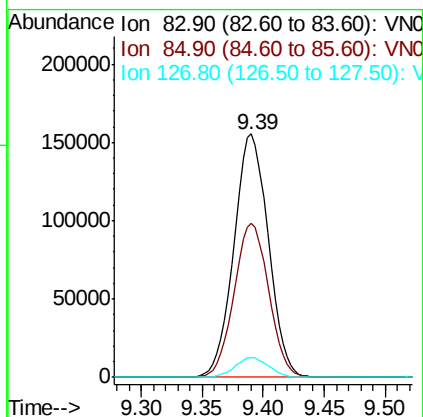
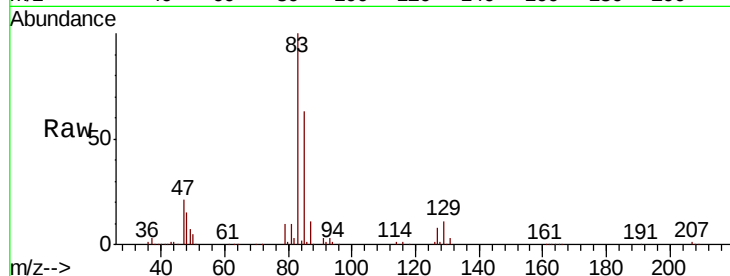
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	304128
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.6	75.8
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.252 ug/l

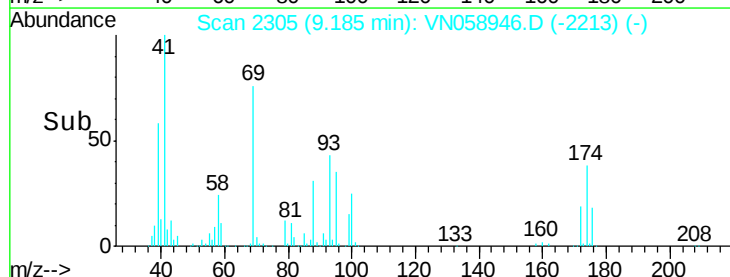
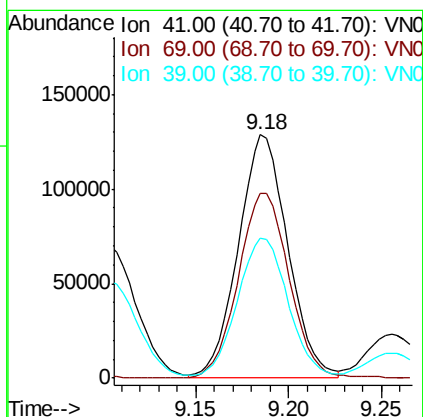
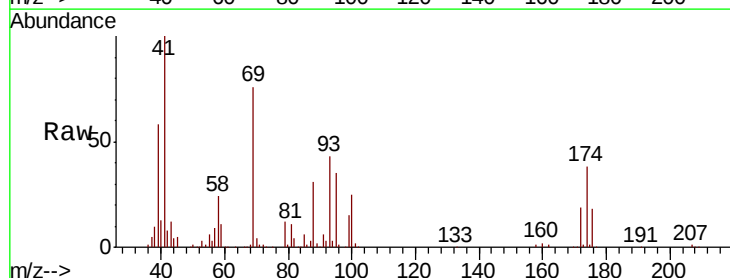
RT: 9.18 min Scan# 2305

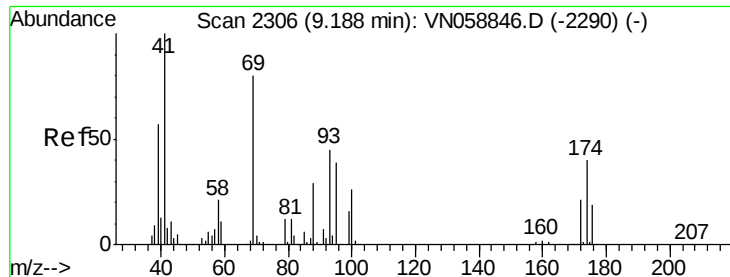
Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion:	41	Resp:	238305
Ion Ratio	Lower	Upper	
41	100		
69	78.8	63.8	95.6
39	59.3	47.8	71.8





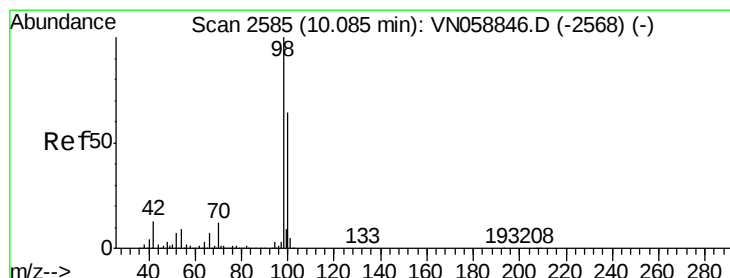
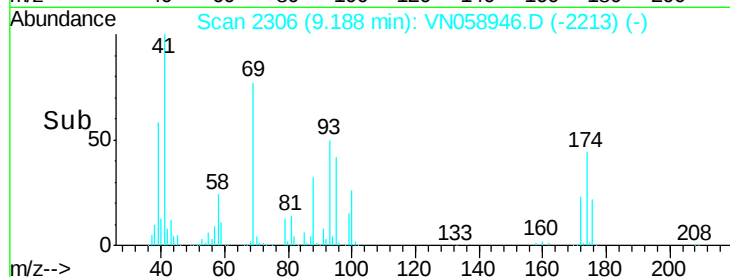
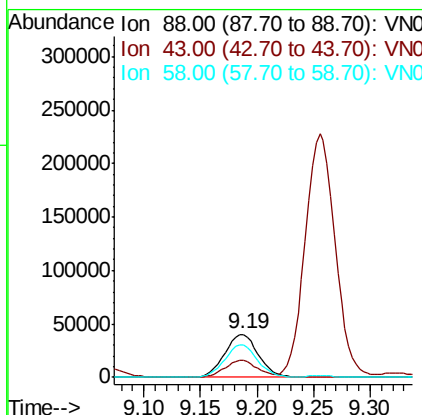
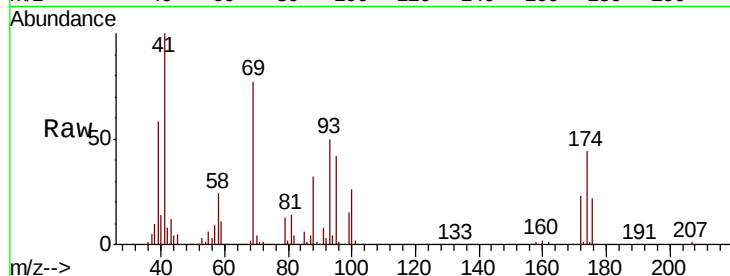
#49
1,4-Dioxane
Concen: 1186.196 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	29.1	43.7
58	73.6	59.4	89.0

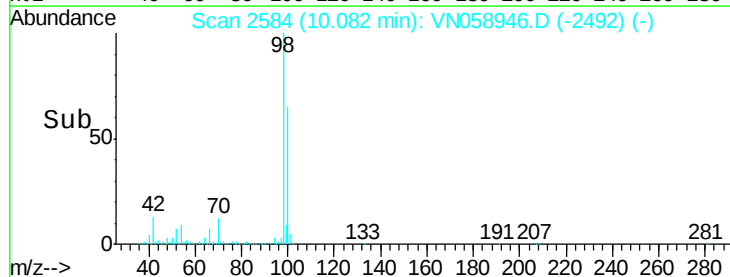
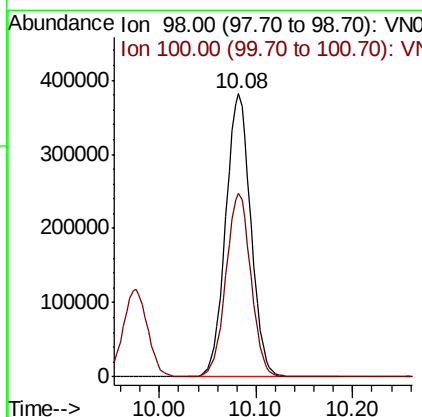
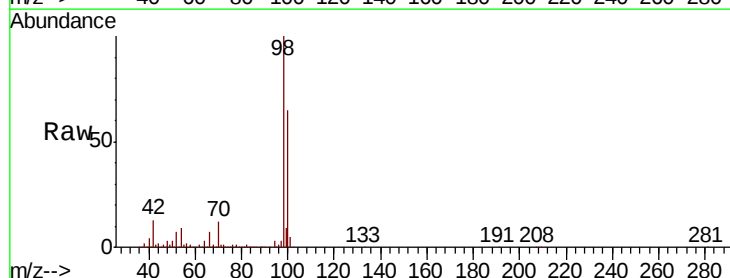
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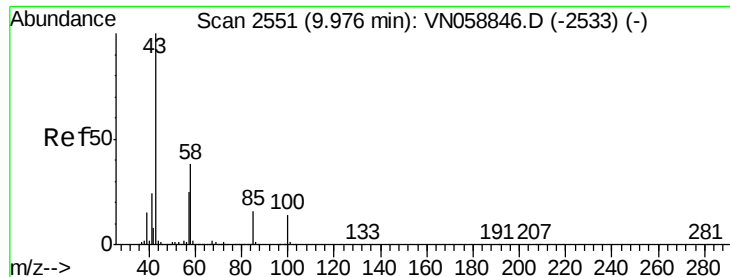
MMDadoda
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#50
Toluene-d8
Concen: 50.687 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 292.192 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1622425

Ion Ratio Lower Upper

43 100

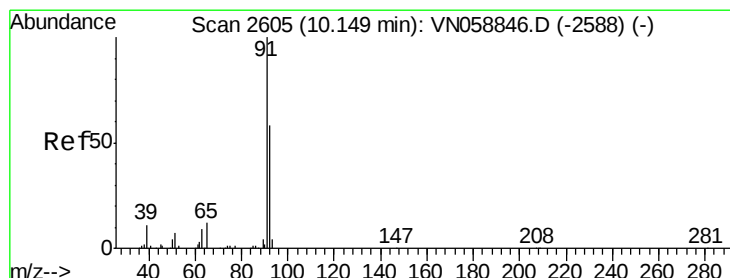
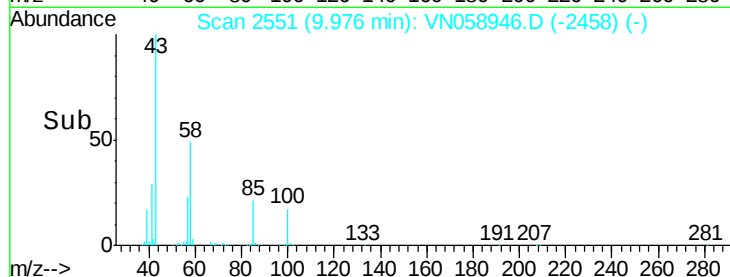
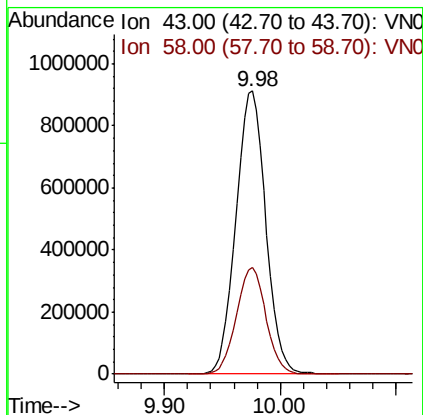
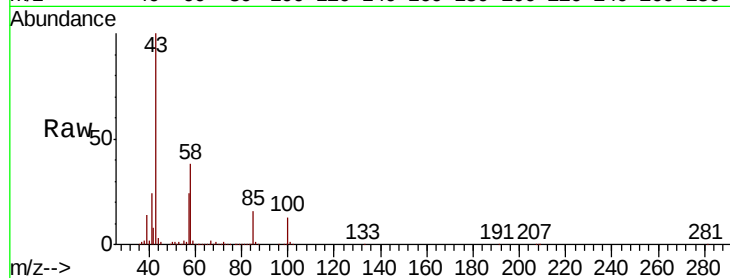
58 37.2 29.9 44.9

Manual Integrations

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#52

Toluene

Concen: 54.081 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058946.D

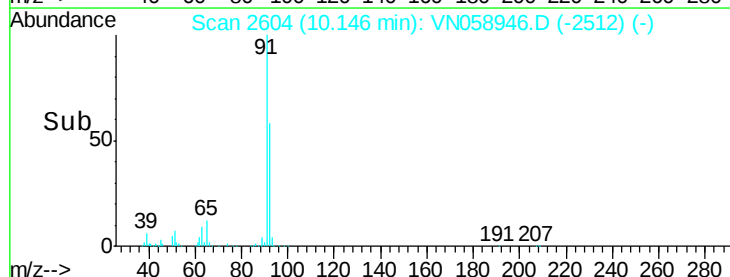
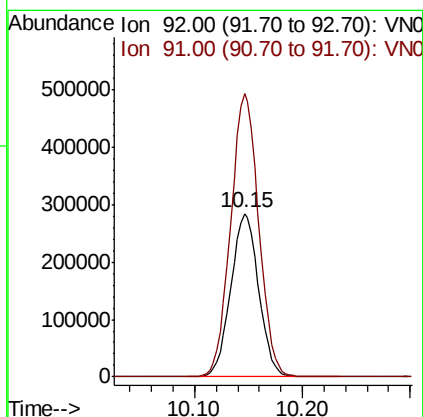
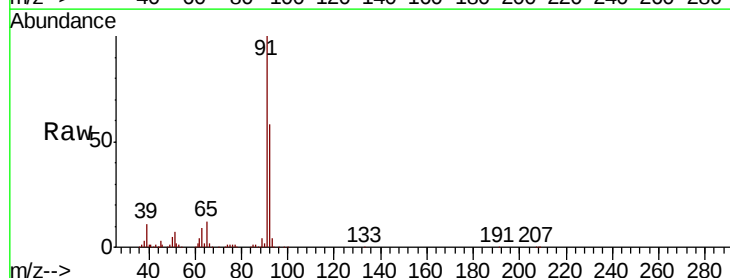
Acq: 24 Oct 2019 9:27

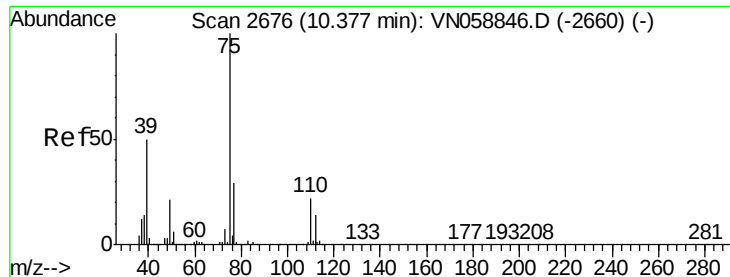
Tgt Ion: 92 Resp: 512308

Ion Ratio Lower Upper

92 100

91 174.7 138.9 208.3





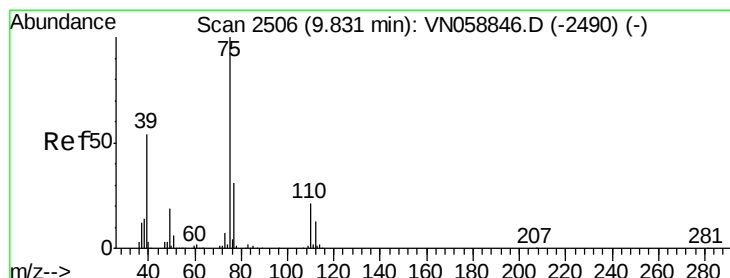
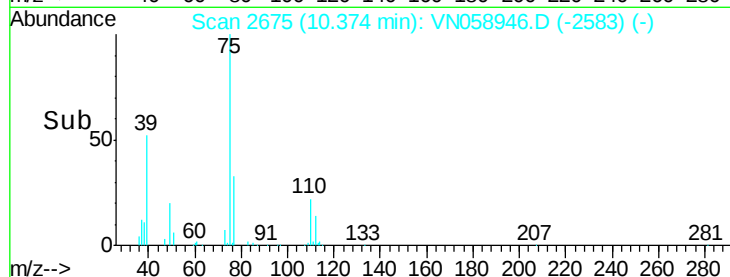
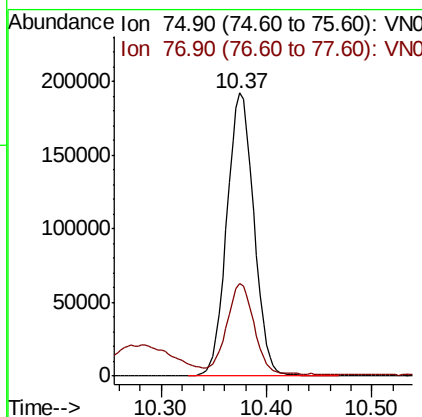
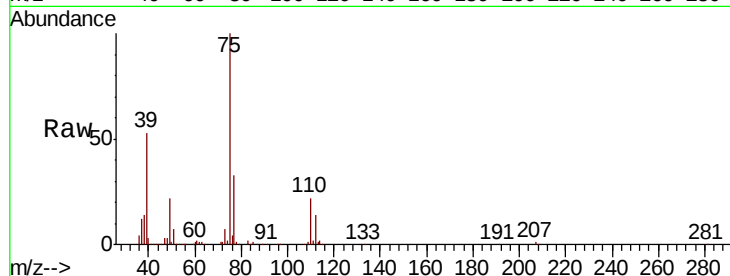
#53
t-1,3-Dichloropropene
Concen: 53.842 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 340185
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5

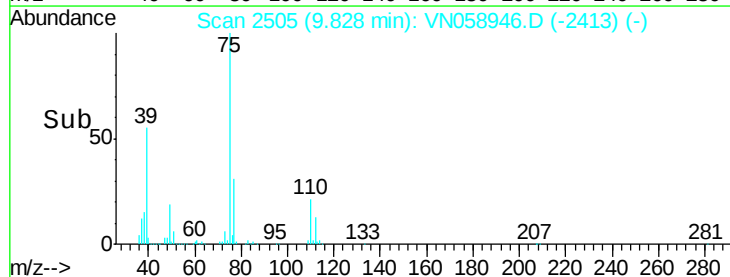
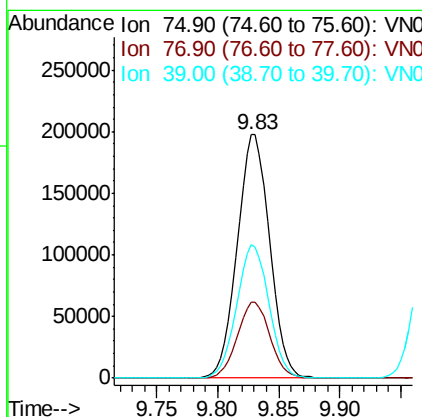
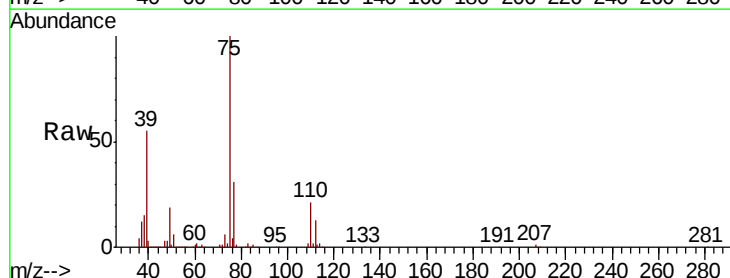
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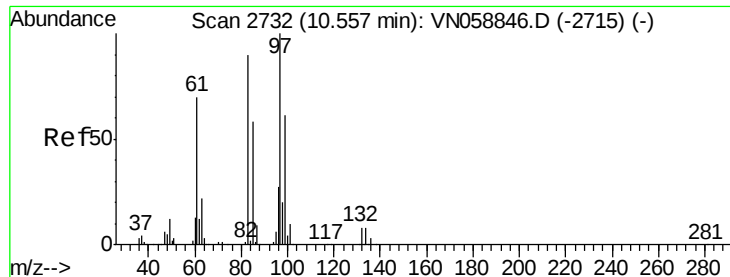
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.704 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 75 Resp: 362519
Ion Ratio Lower Upper
75 100
77 31.2 24.7 37.1
39 54.6 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 51.956 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

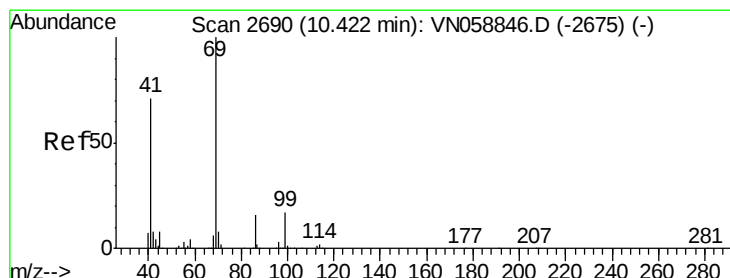
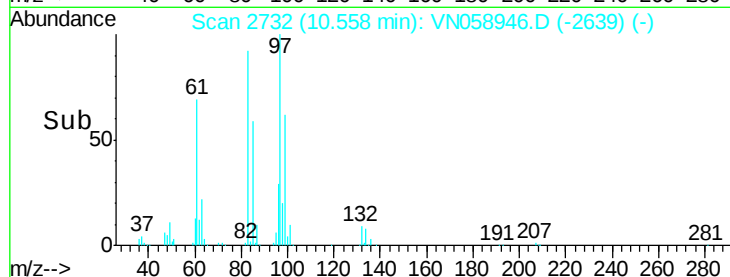
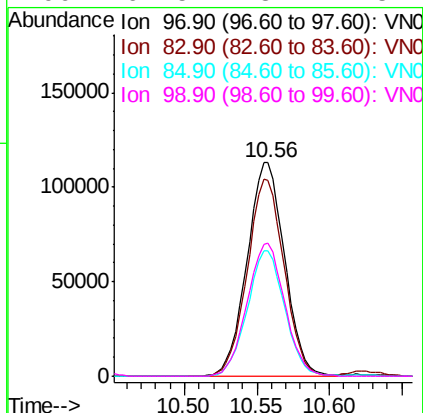
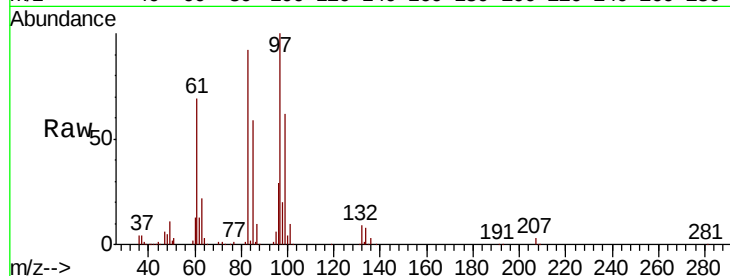
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	202755
Ion	Ratio	Lower	Upper
97	100		
83	92.0	72.2	108.4
85	59.0	46.2	69.2
99	62.5	48.7	73.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 48.741 ug/l

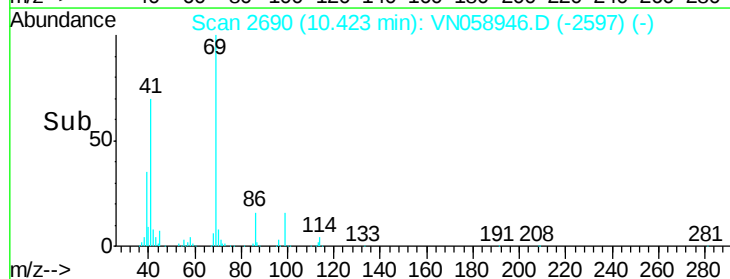
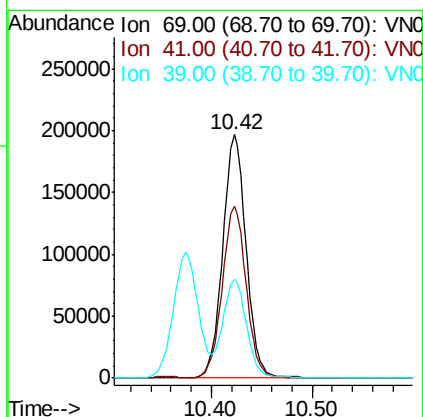
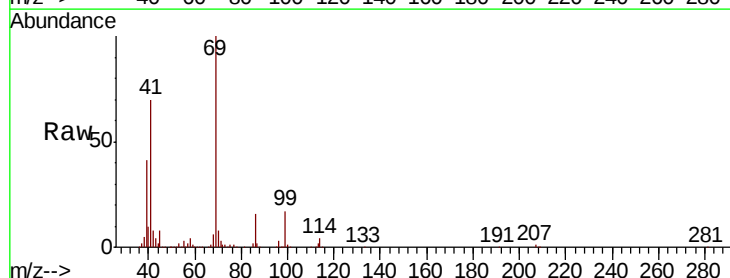
RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion:	69	Resp:	319149
Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.2	85.8
39	41.0	31.0	46.4





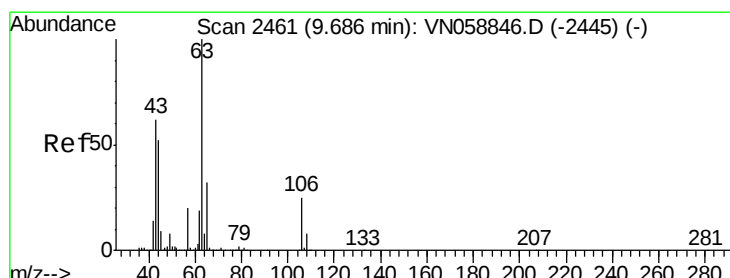
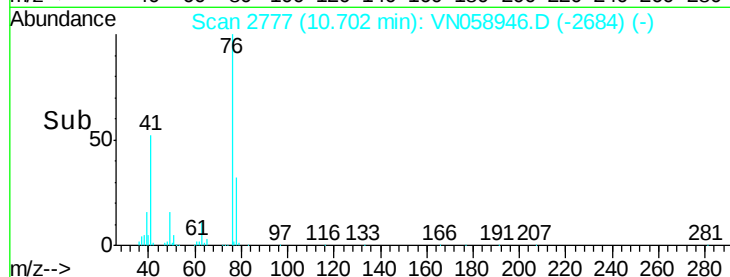
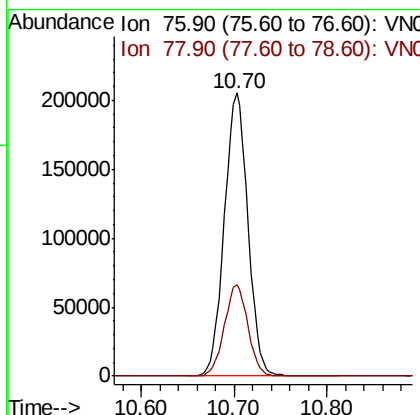
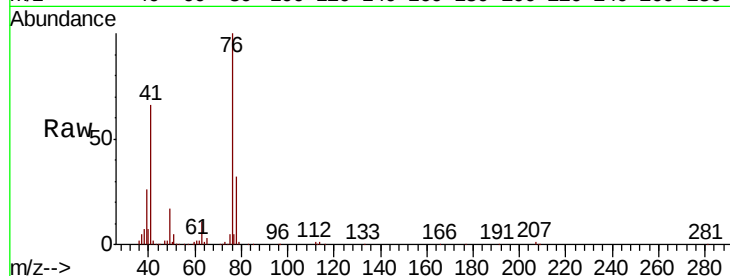
#57
 1,3-Dichloropropane
 Concen: 52.682 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 360832
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.0

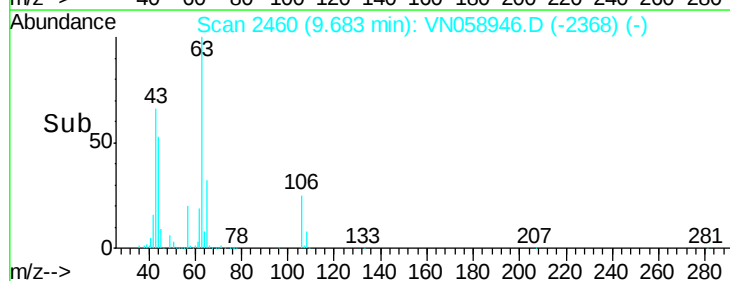
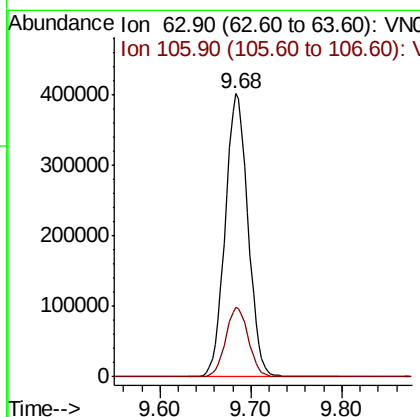
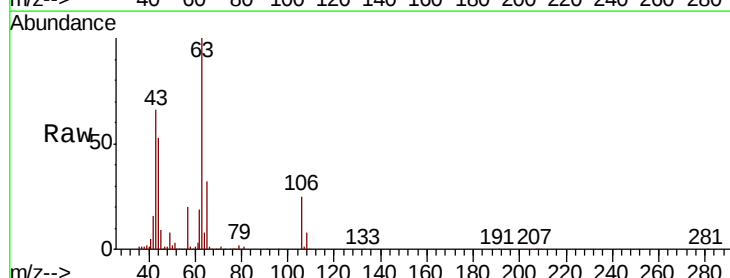
Manual Integrations
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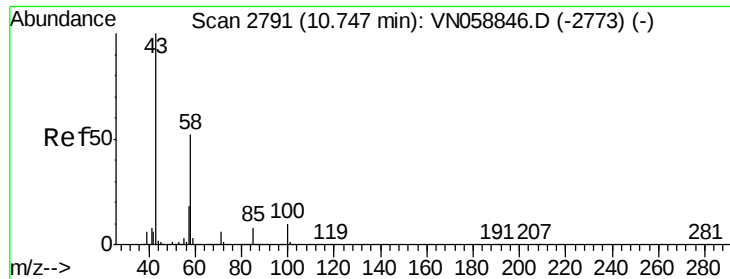
MMDadoda
 10/25/2019 2:36:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.220 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion: 63 Resp: 698313
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.8 29.8





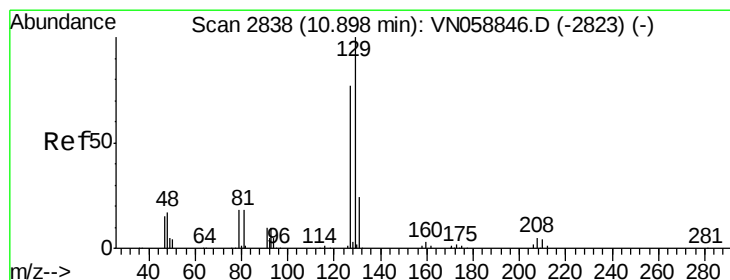
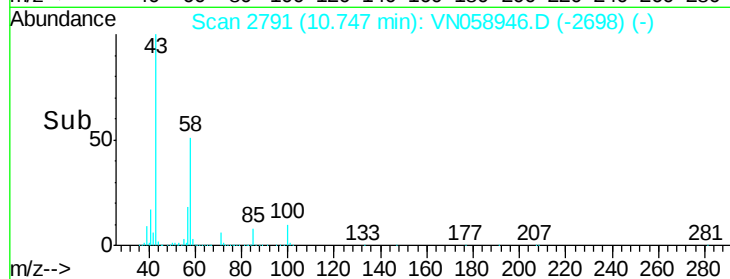
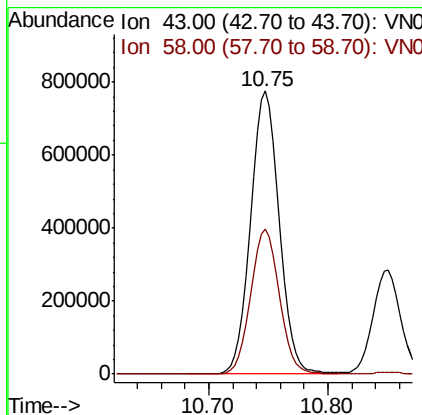
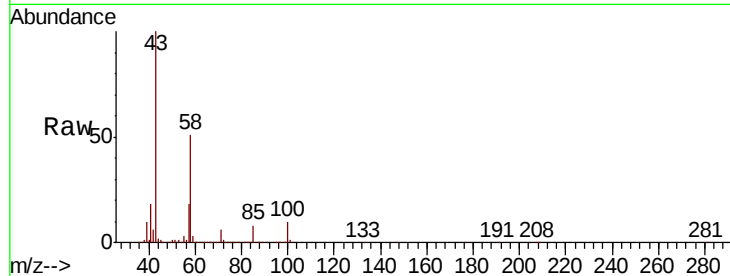
#59
2-Hexanone
Concen: 301.174 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1292239
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7

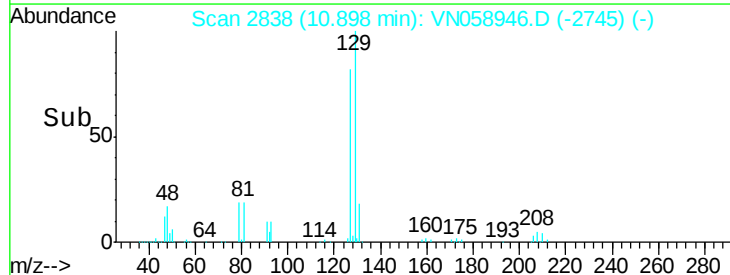
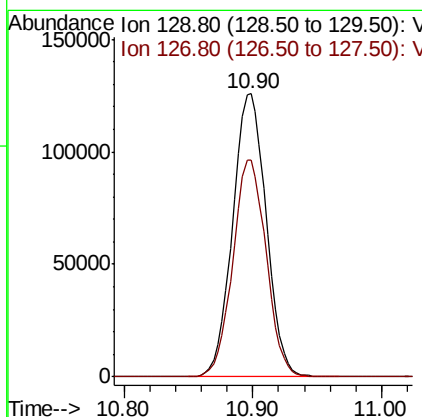
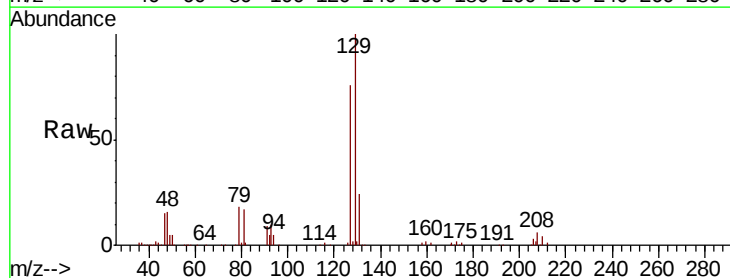
Manual Integrations
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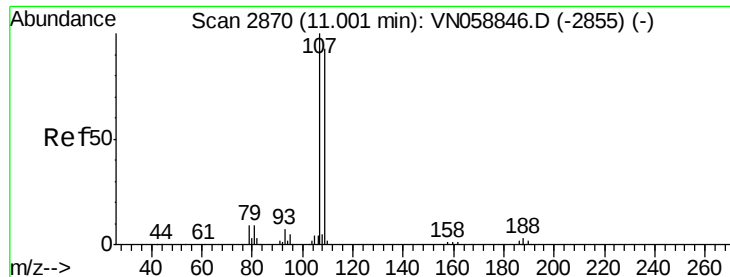
MMDadoda
10/25/2019 2:36:38 PM



#60
Dibromochloromethane
Concen: 54.168 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 129 Resp: 227529
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.3





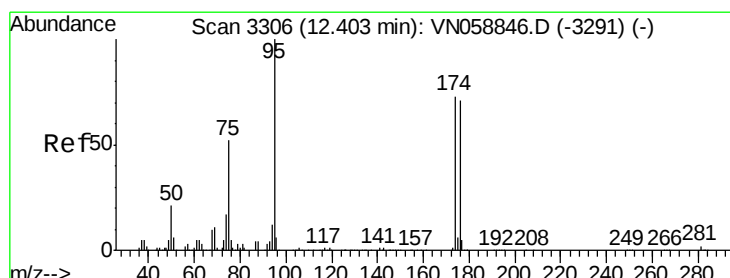
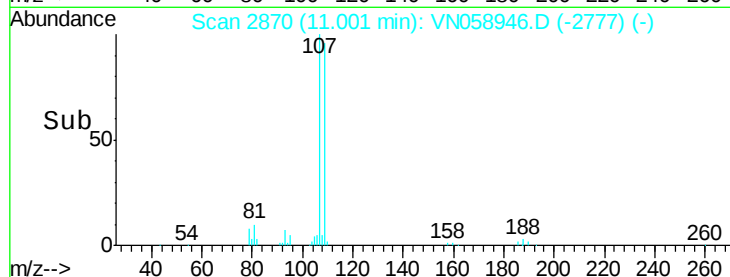
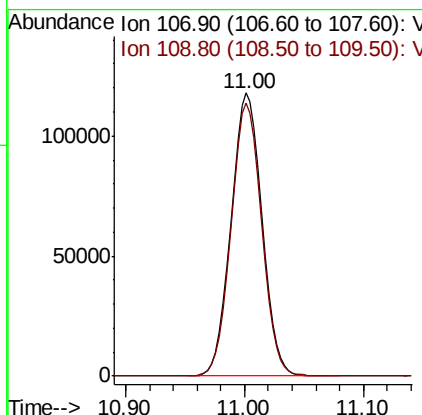
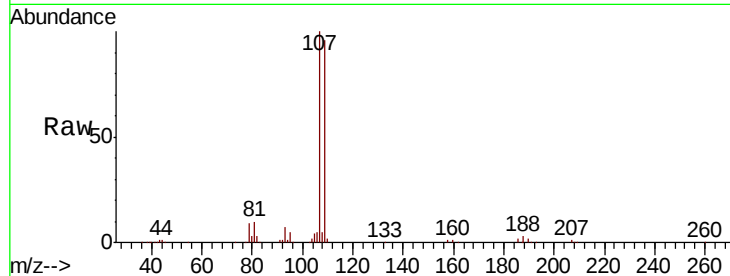
#61
 1,2-Dibromoethane
 Concen: 53.181 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.2	112.8

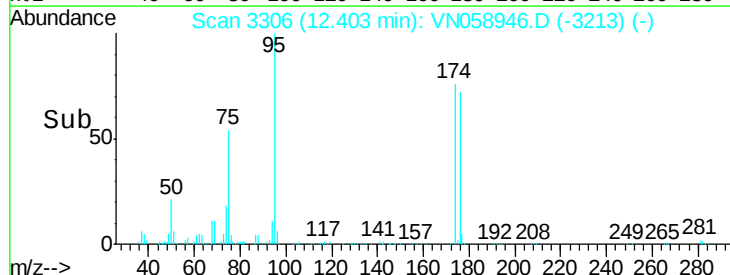
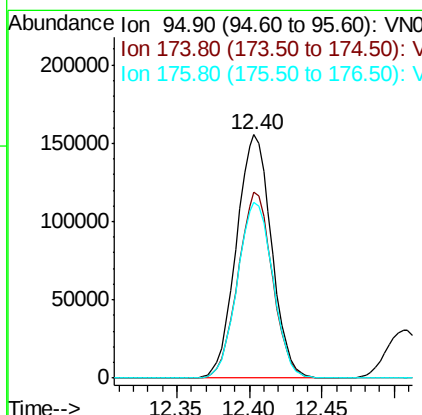
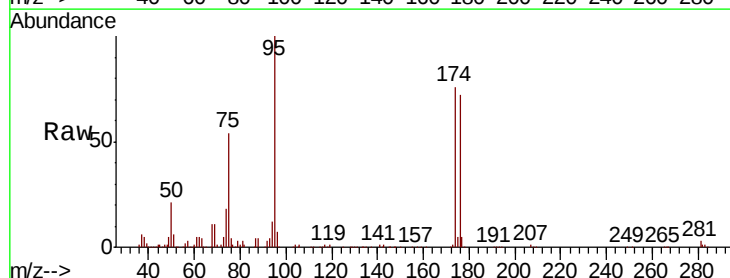
Manual Integrations
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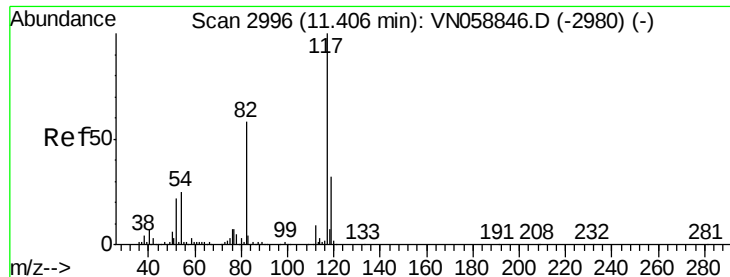
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 52.398 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	147.6
176	73.3	0.0	143.2





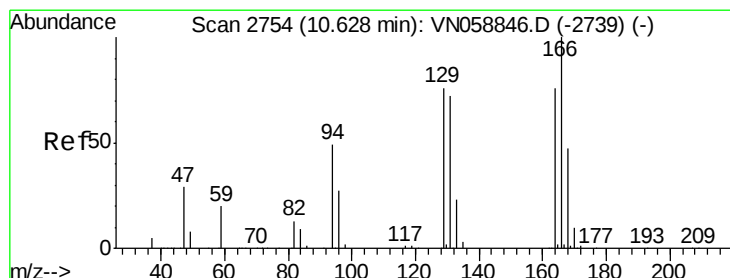
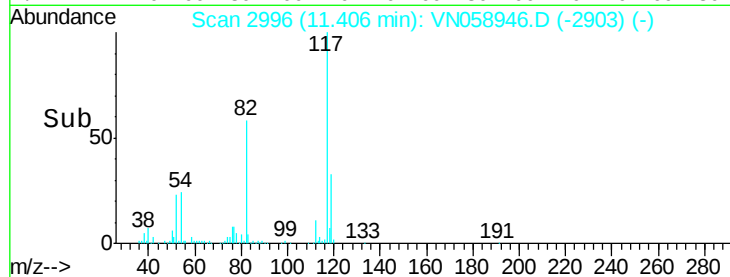
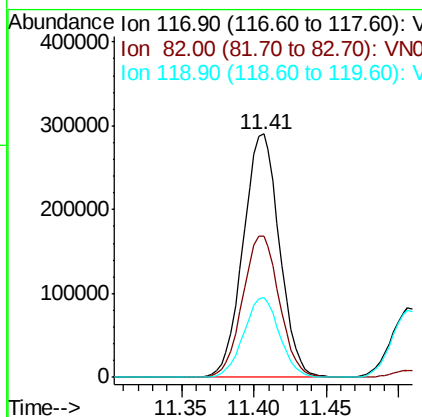
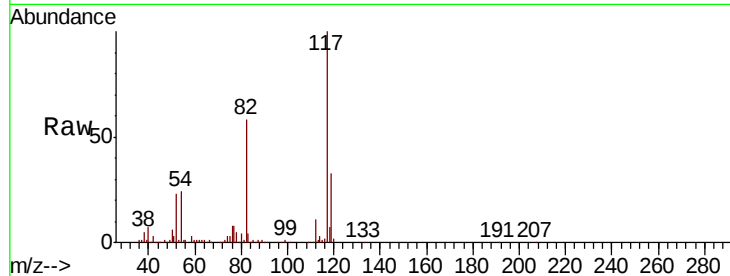
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	57.9	46.6	69.8	
119	32.9	25.6	38.4	

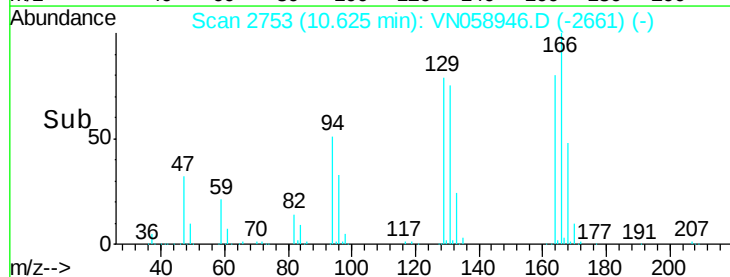
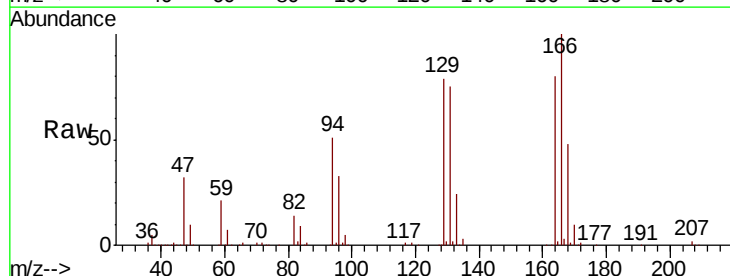
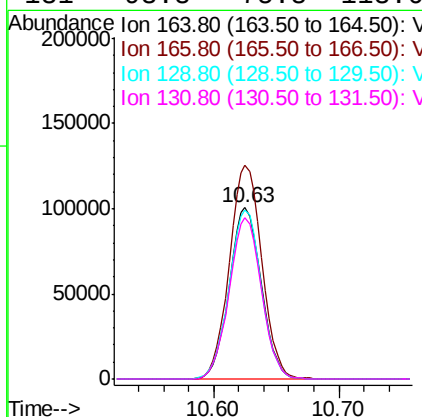
Manual Integrations
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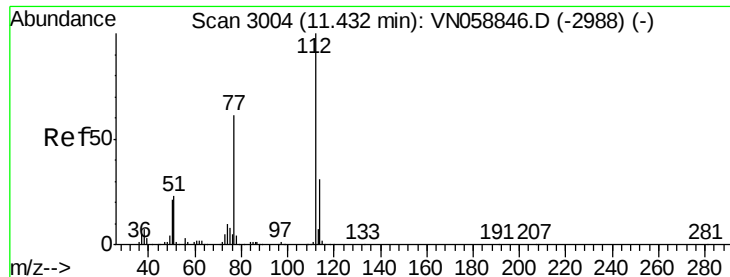
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#64
Tetrachloroethene
Concen: 50.324 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	124.6	104.8	157.2	
129	98.9	79.3	118.9	
131	93.8	75.8	113.6	





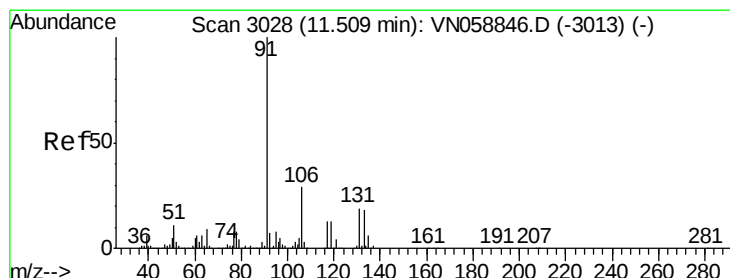
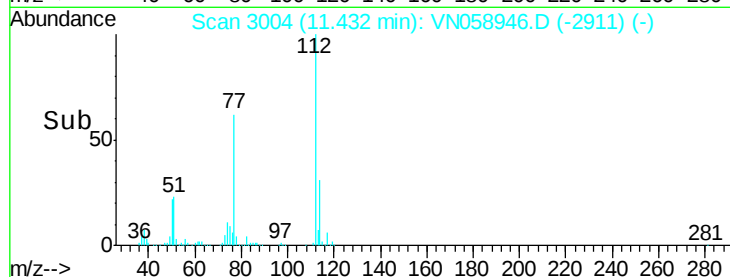
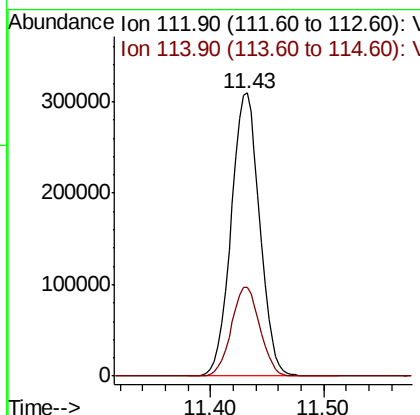
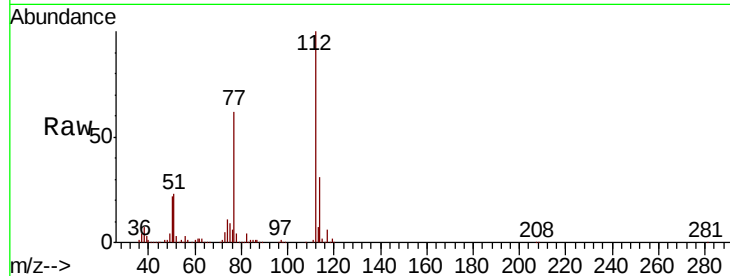
#65
Chlorobenzene
Concen: 52.637 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

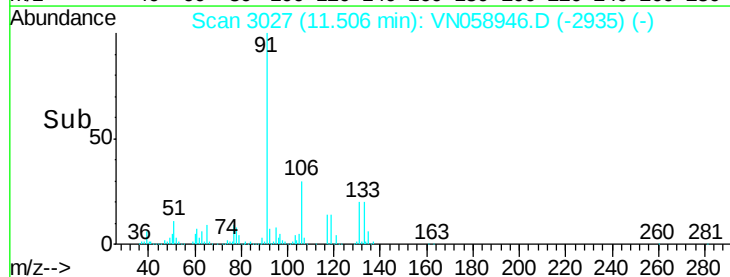
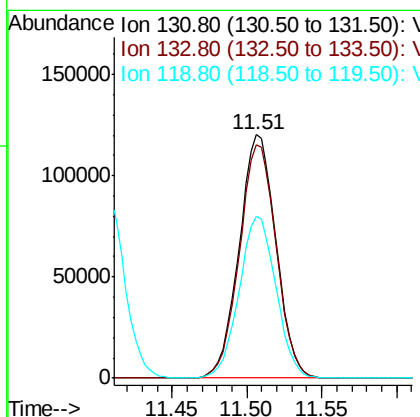
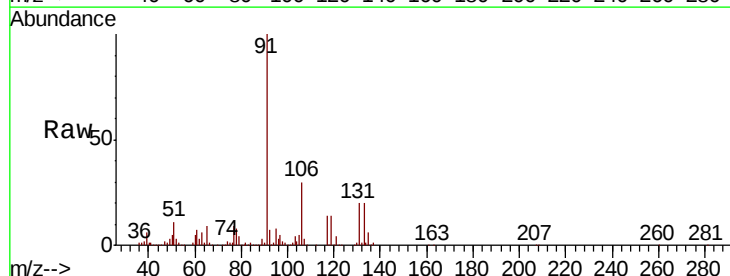
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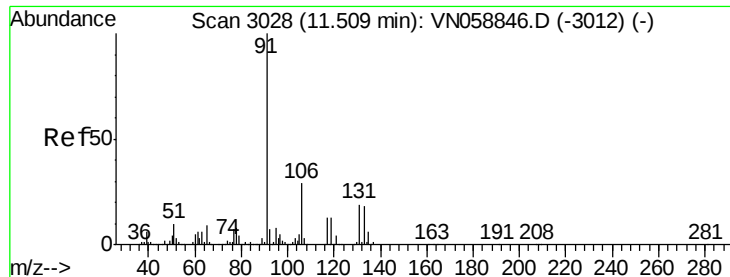
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.009 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.4	145.2
119	66.4	33.6	100.8





#67

Ethyl Benzene

Concen: 55.176 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 996048

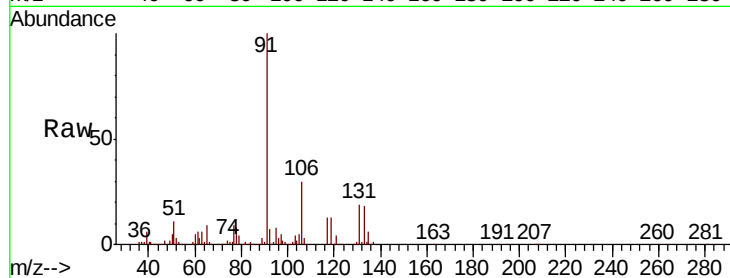
Ion Ratio Lower Upper

91 100

106 30.2 23.4 35.0

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN058846.D (-3012) (-)

800000

600000

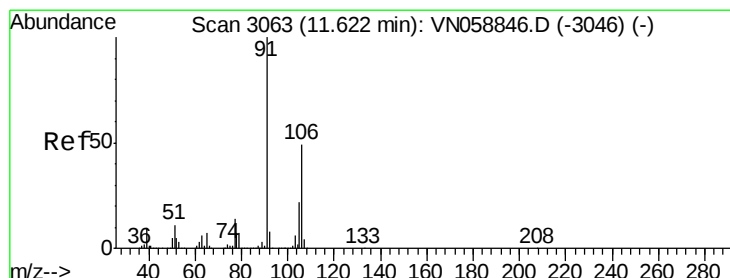
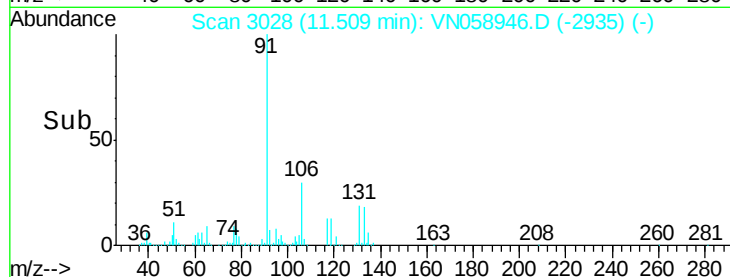
400000

200000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 111.635 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058946.D

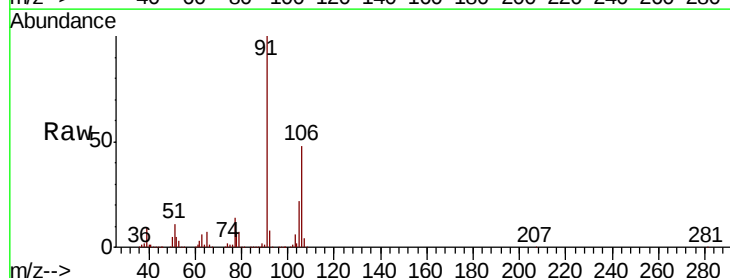
Acq: 24 Oct 2019 9:27

Tgt Ion: 106 Resp: 747348

Ion Ratio Lower Upper

106 100

91 209.6 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-3046) (-)

800000

600000

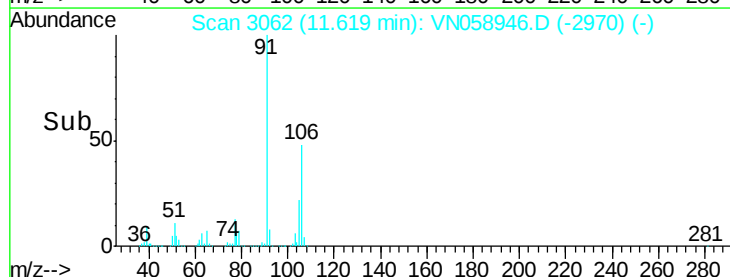
400000

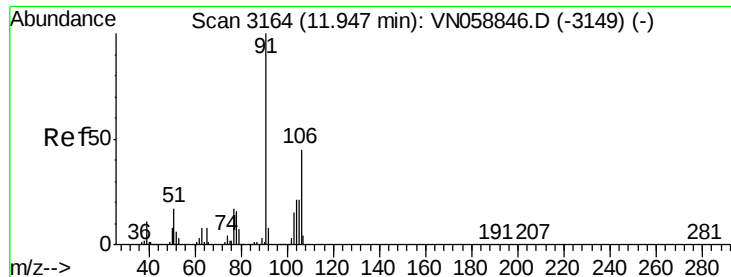
200000

0

11.50 11.60 11.70

Time-->





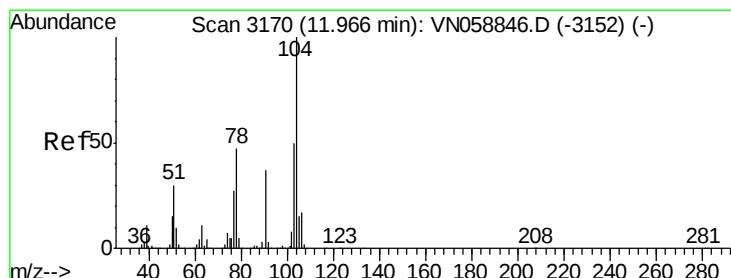
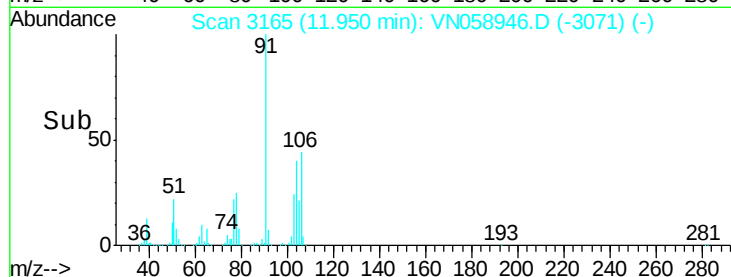
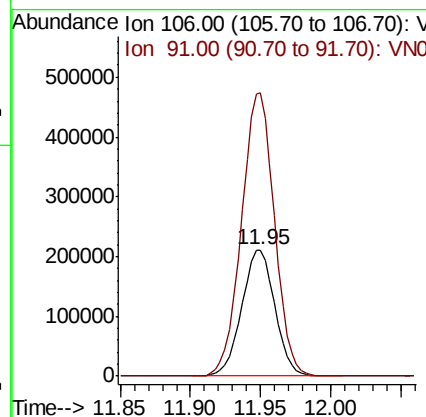
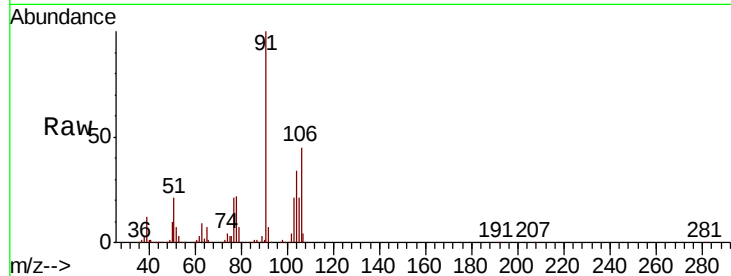
#69
o-Xylene
Concen: 54.336 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 346925
Ion Ratio Lower Upper
106 100
91 223.4 111.5 334.4

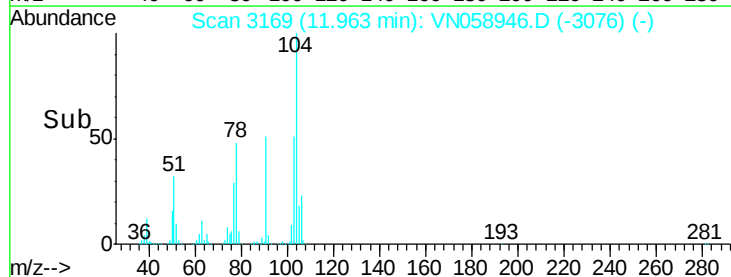
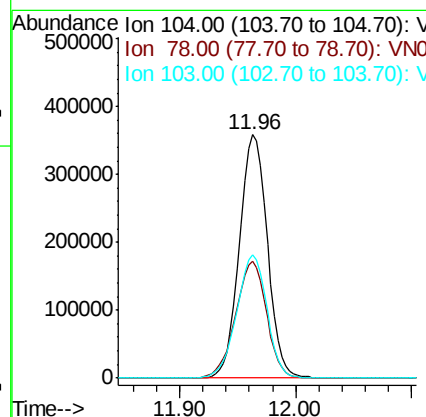
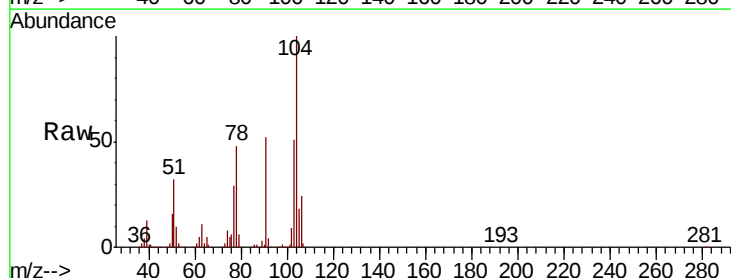
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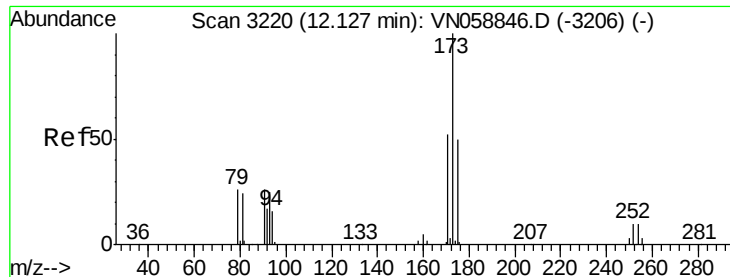
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#70
Styrene
Concen: 50.928 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion:104 Resp: 600596
Ion Ratio Lower Upper
104 100
78 52.9 42.8 64.2
103 54.7 44.3 66.5





#71

Bromoform

Concen: 53.119 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 159953
Ion Ratio Lower Upper

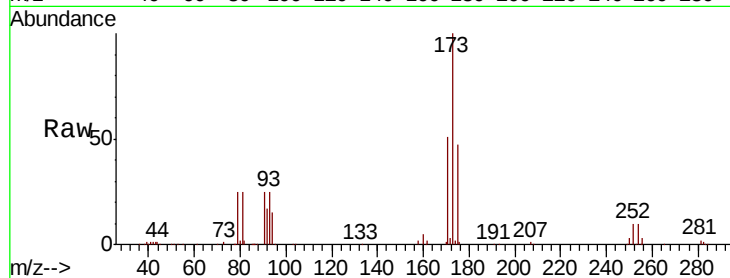
173 100

175 48.5 24.7 74.1

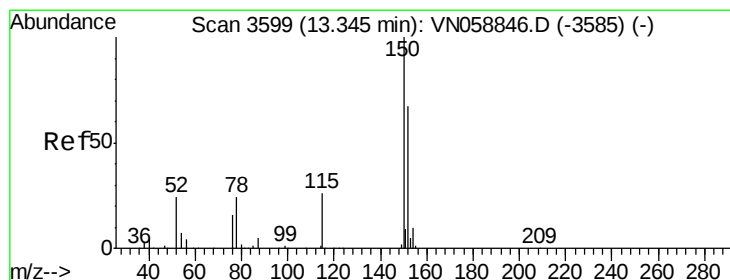
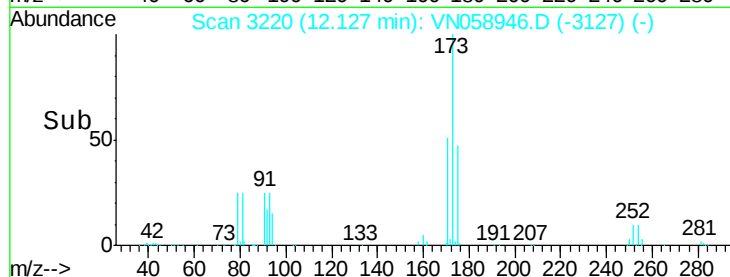
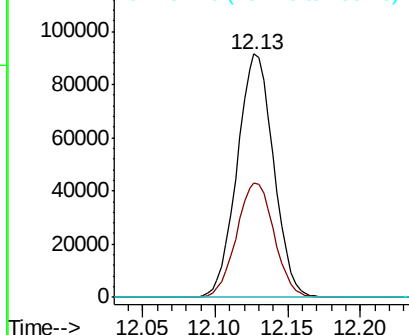
254 0.1 0.0 0.0#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN058946.D

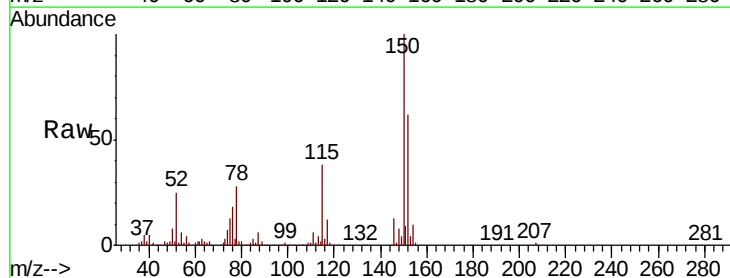
Acq: 24 Oct 2019 9:27

Tgt Ion:152 Resp: 259017
Ion Ratio Lower Upper

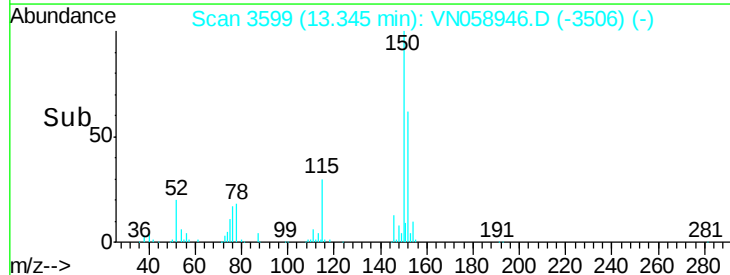
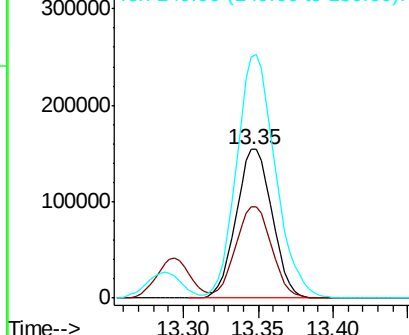
152 100

115 61.6 30.5 91.5

150 175.4 0.0 344.4



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





#73

Isopropylbenzene

Concen: 51.130 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 967857

Ion Ratio Lower Upper

105 100

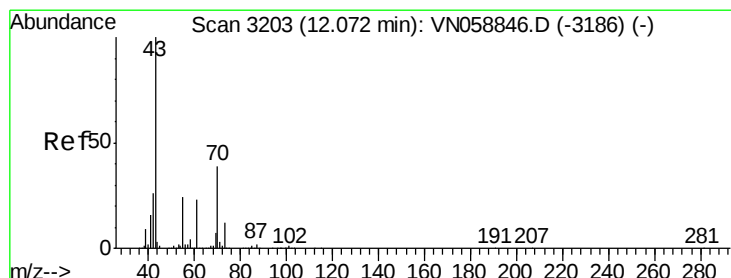
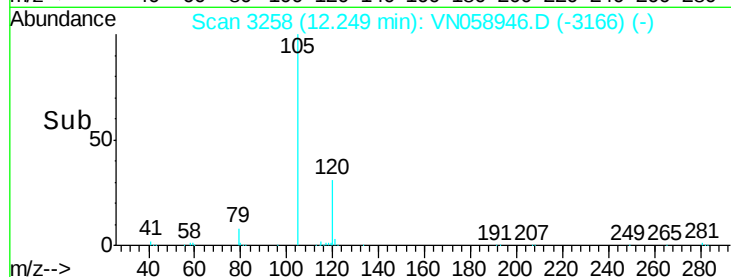
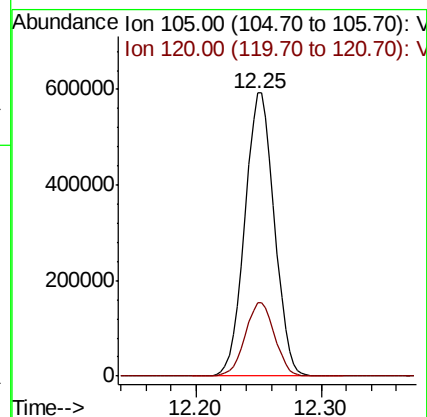
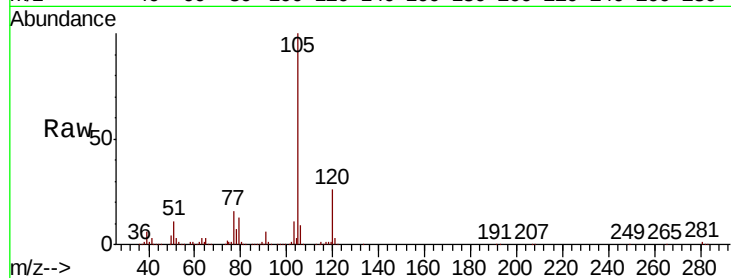
120 25.9 12.8 38.4

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#74

N-ethyl acetate

Concen: 52.877 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion: 43 Resp: 453776

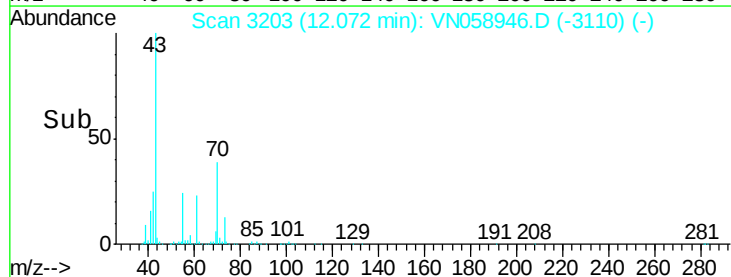
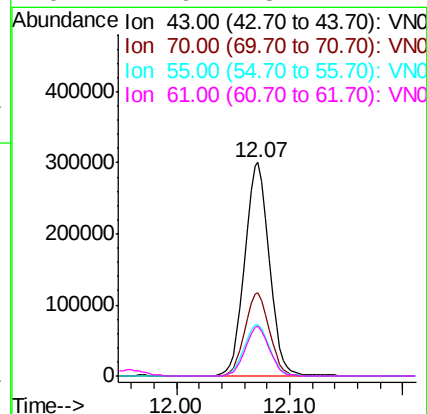
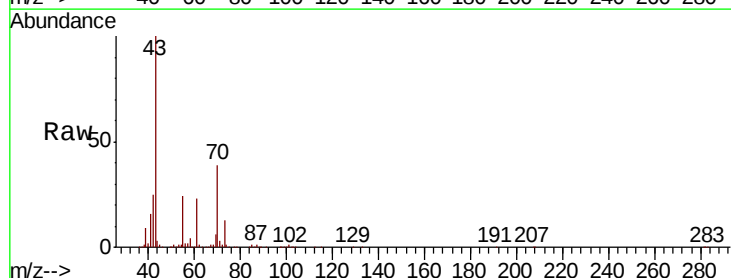
Ion Ratio Lower Upper

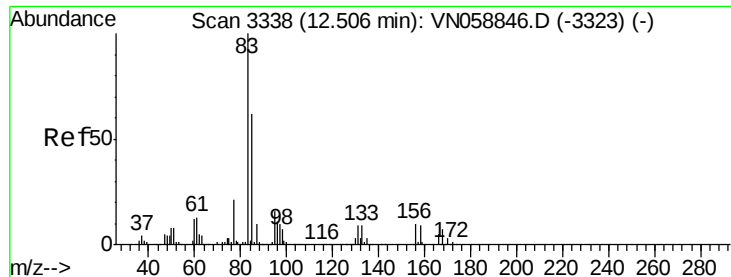
43 100

70 39.4 30.9 46.3

55 25.0 19.7 29.5

61 22.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.527 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

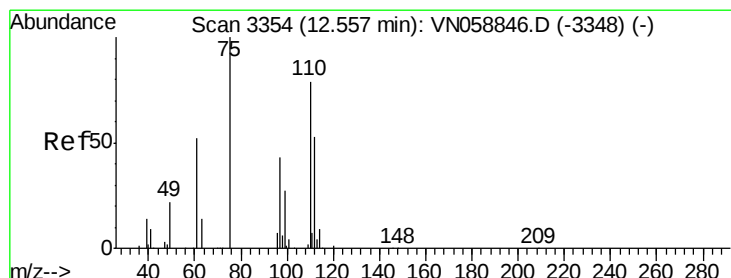
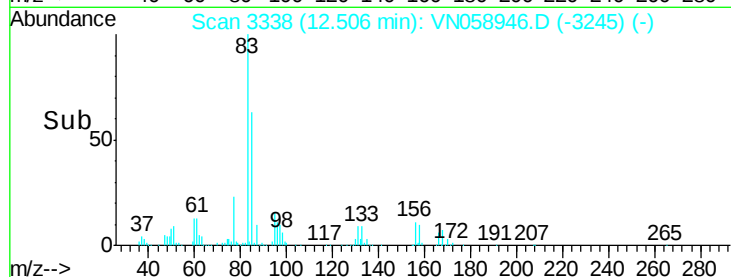
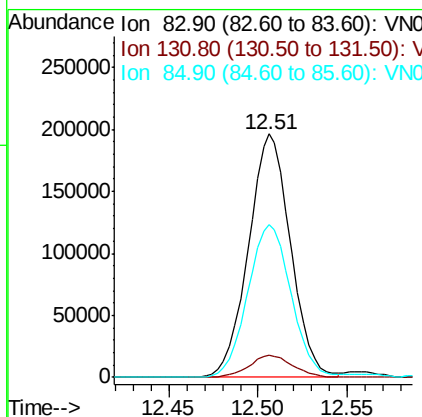
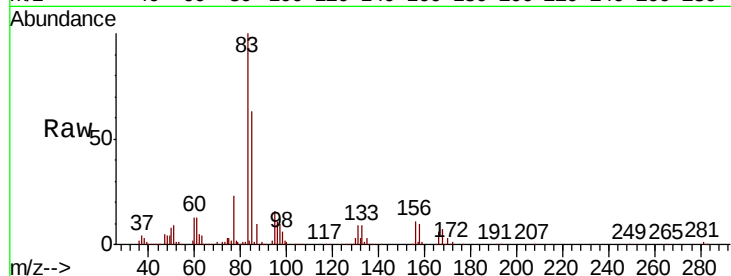
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	322994
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.7	14.1
85	64.7	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.879 ug/l m

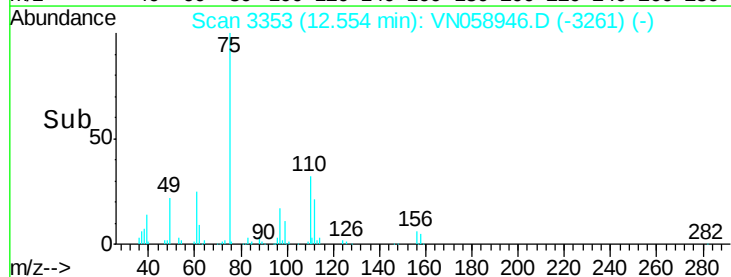
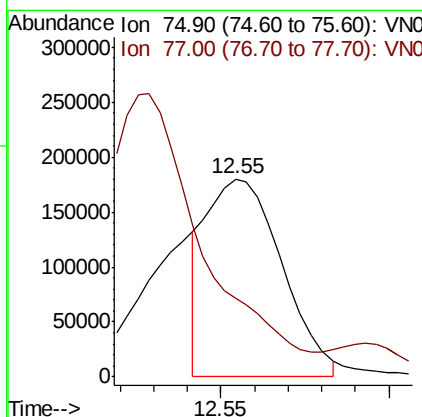
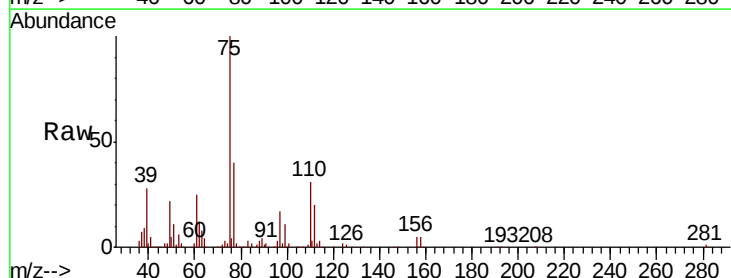
RT: 12.55 min Scan# 3353

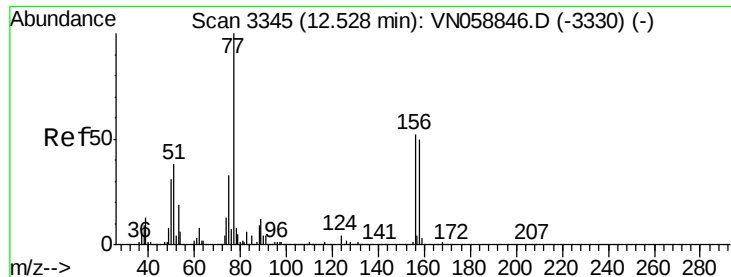
Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion:	75	Resp:	281412
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.656 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

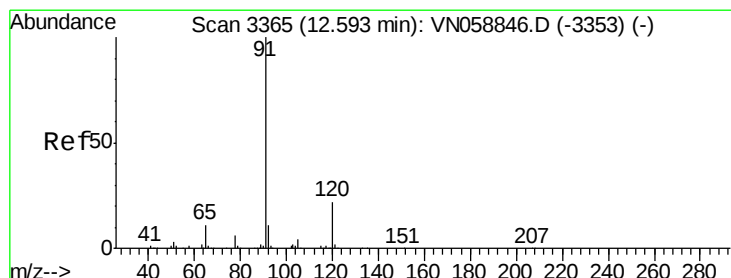
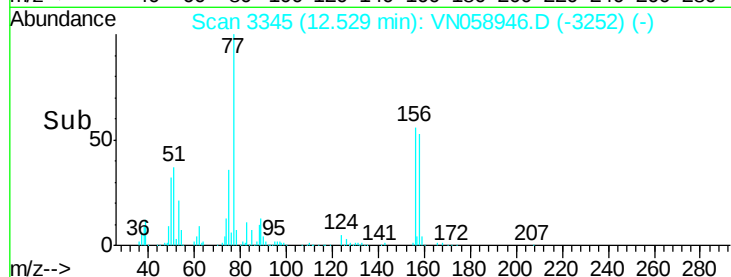
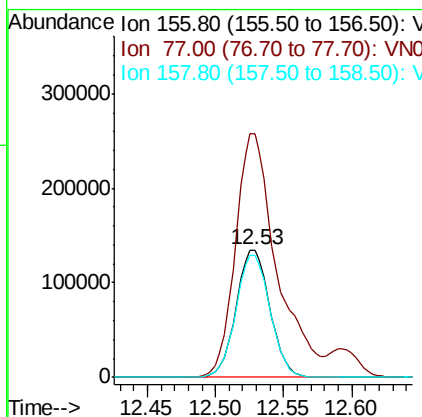
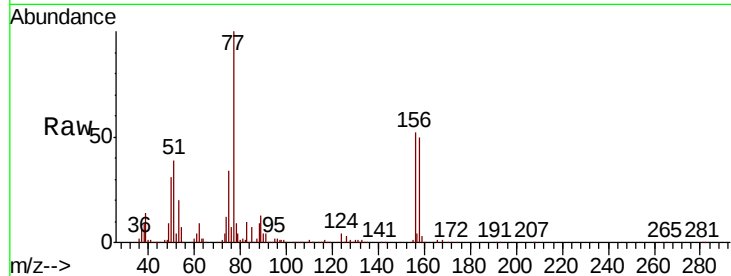
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
231682	156	100		
	77	234.5	118.0	354.0
	158	97.1	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.703 ug/l

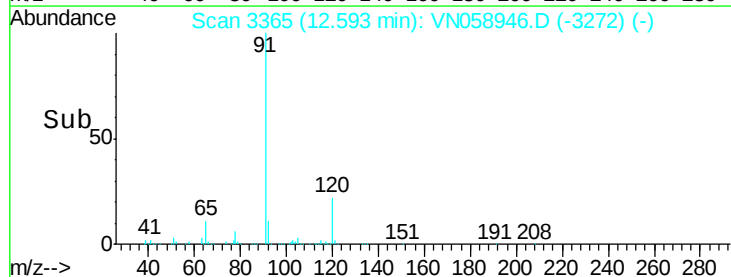
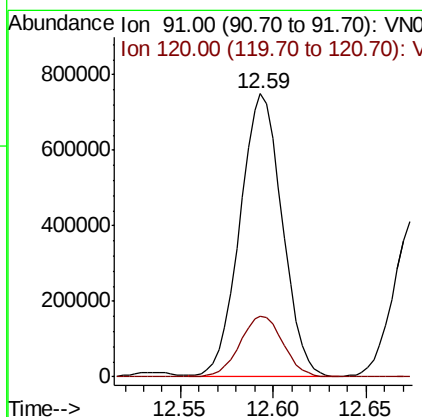
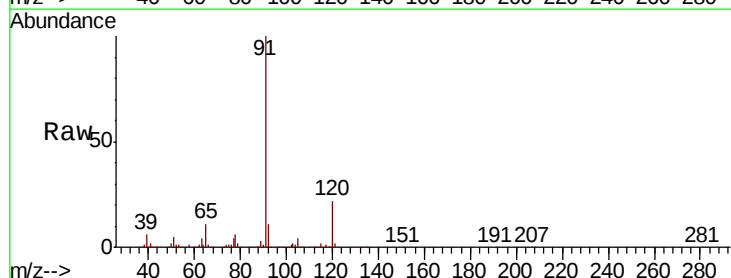
RT: 12.59 min Scan# 3365

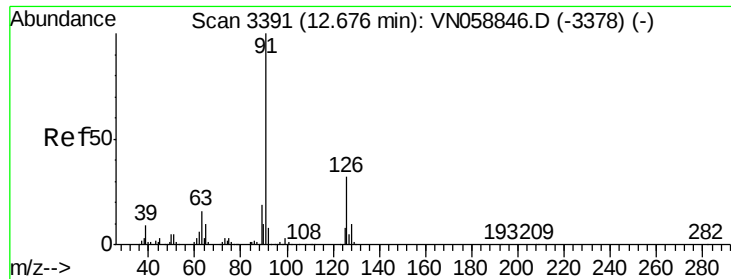
Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion	Ion	Ratio	Lower	Upper
1179230	91	100		
	120	22.0	11.1	33.1





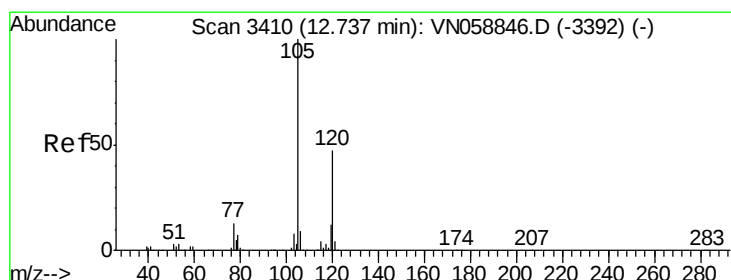
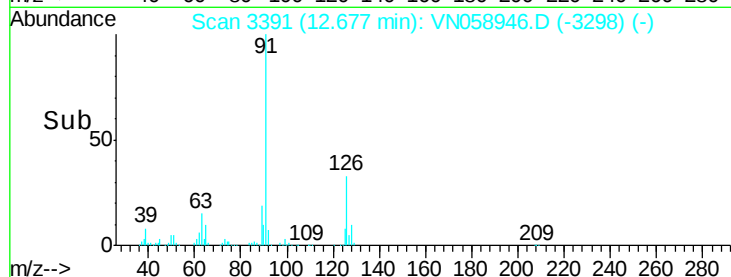
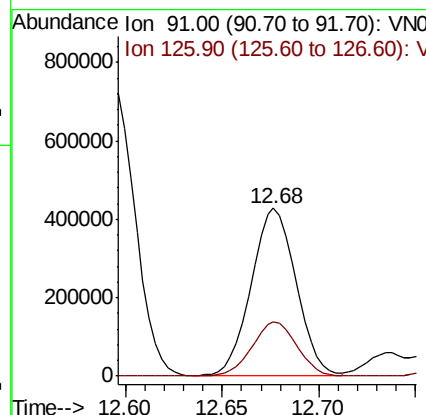
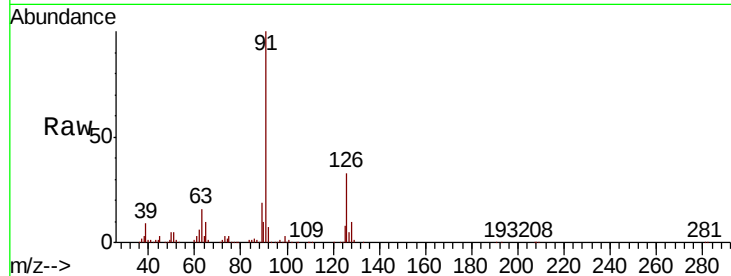
#79
 2-Chlorotoluene
 Concen: 50.338 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6

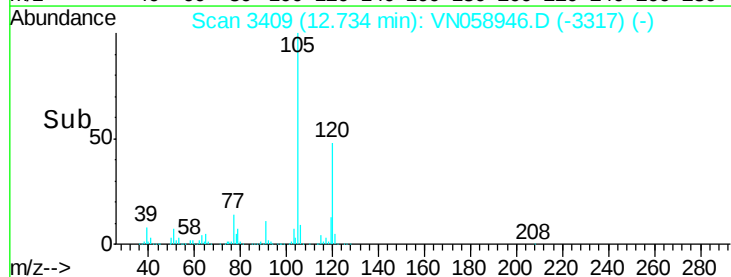
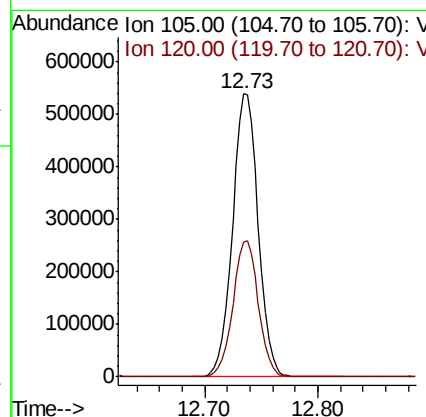
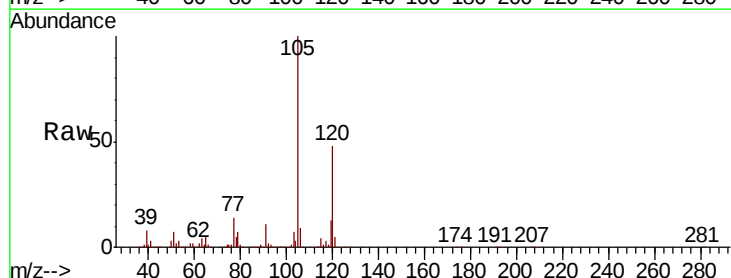
Manual Integrations
 APPROVED

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#80
 1,3,5-Trimethylbenzene
 Concen: 53.156 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.8	71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 49.270 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 113536

Ion Ratio Lower Upper

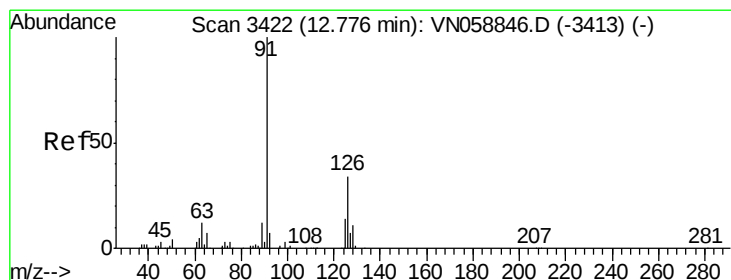
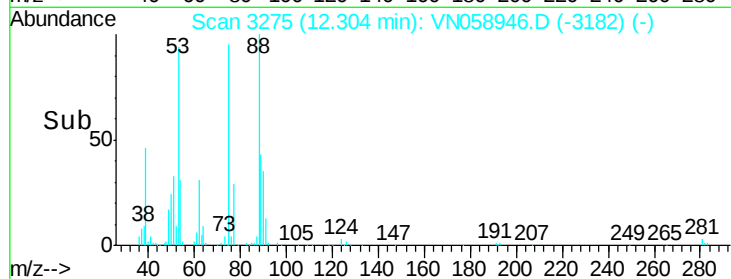
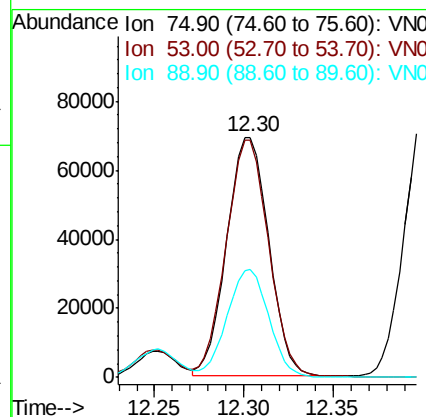
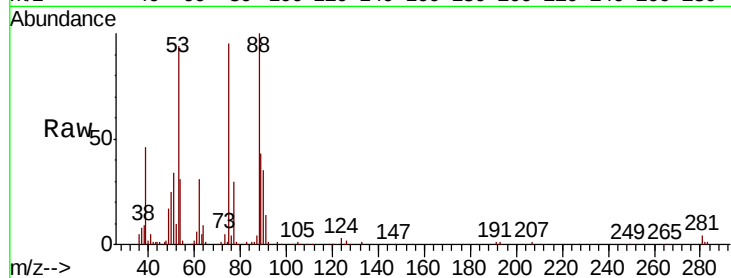
75 100

53 100.5 78.6 118.0

89 44.7 35.4 53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.584 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058946.D

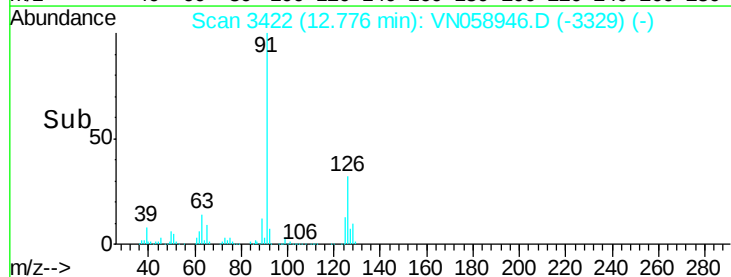
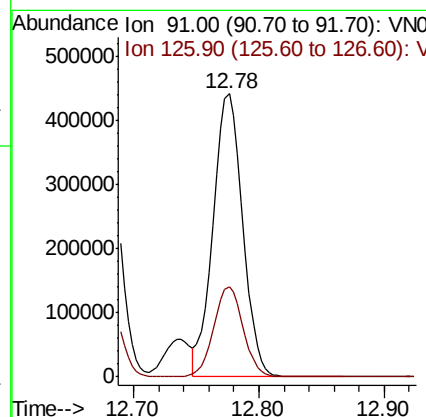
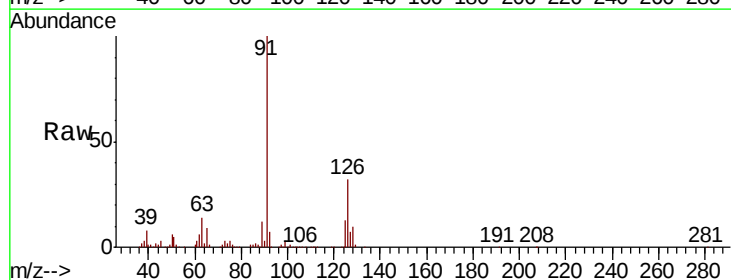
Acq: 24 Oct 2019 9:27

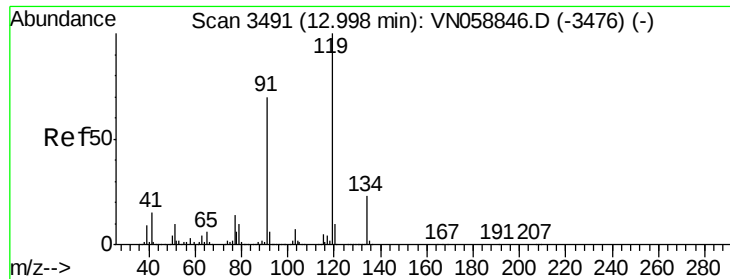
Tgt Ion: 91 Resp: 721912

Ion Ratio Lower Upper

91 100

126 31.7 16.0 47.9





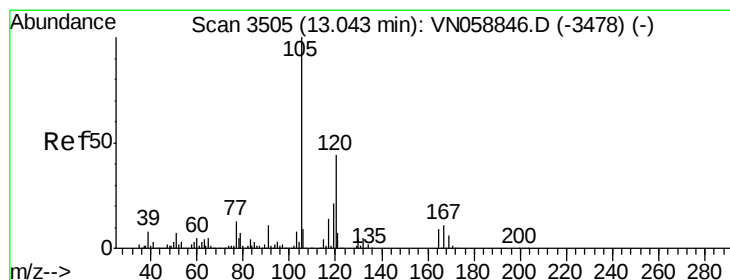
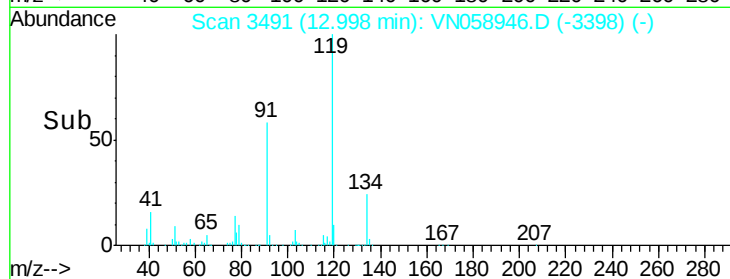
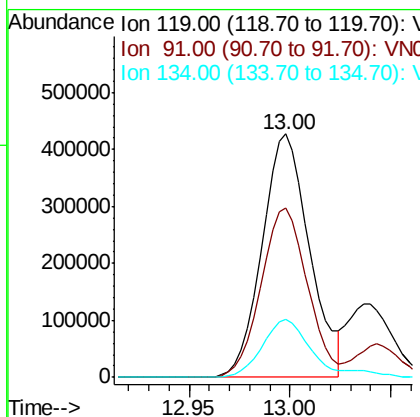
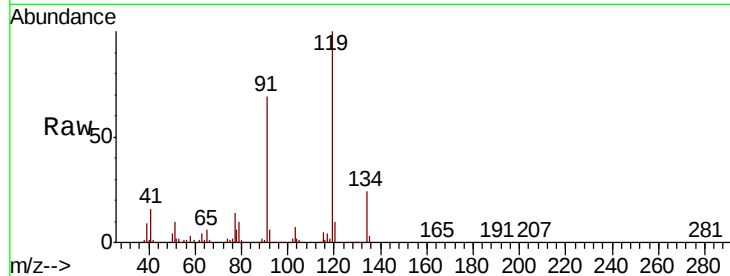
#83
 tert-Butylbenzene
 Concen: 51.365 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.1	102.3
134	23.5	11.6	34.8

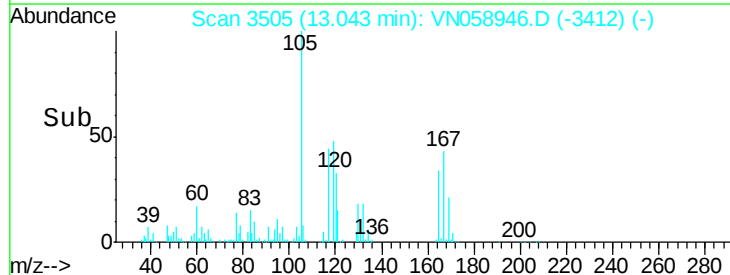
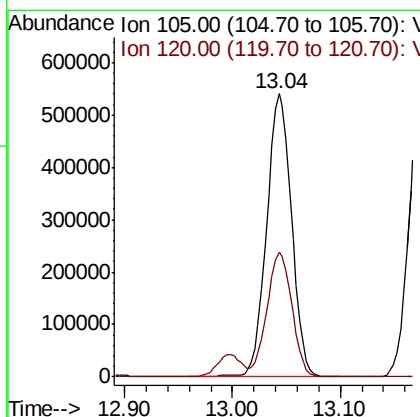
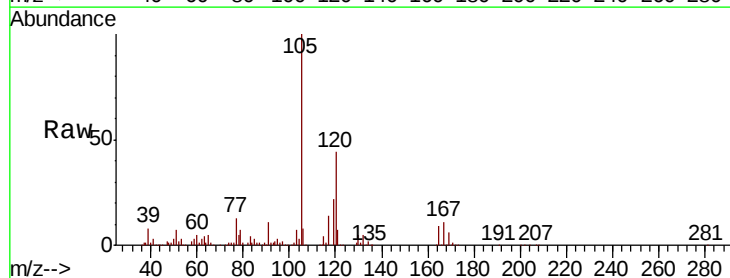
Manual Integrations
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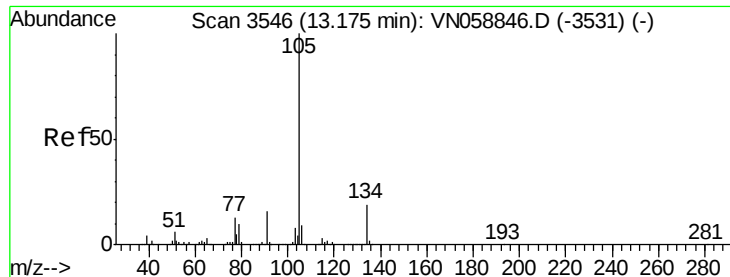
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.141 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.8





#85

sec-Butylbenzene

Concen: 53.654 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 972866

Ion Ratio Lower Upper

105 100

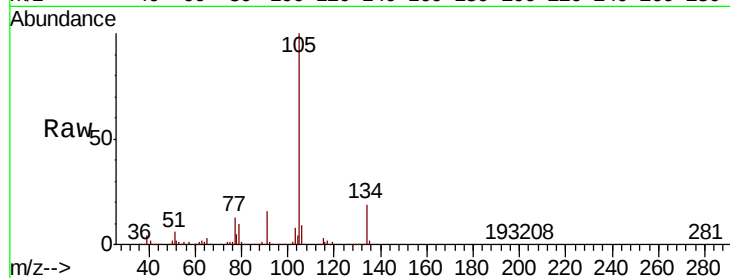
134 18.9 9.4 28.2

Manual Integrations

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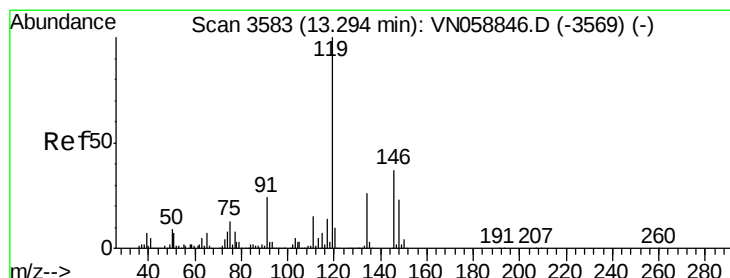
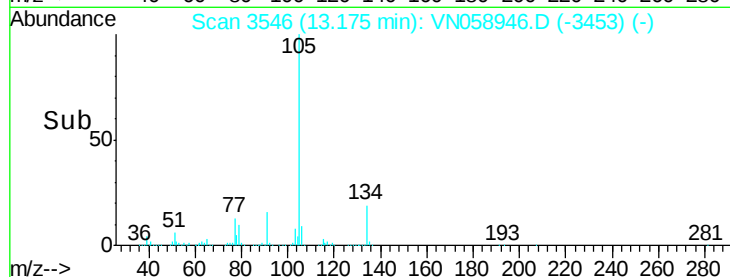
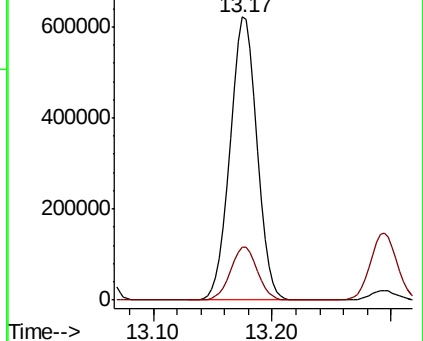
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.802 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

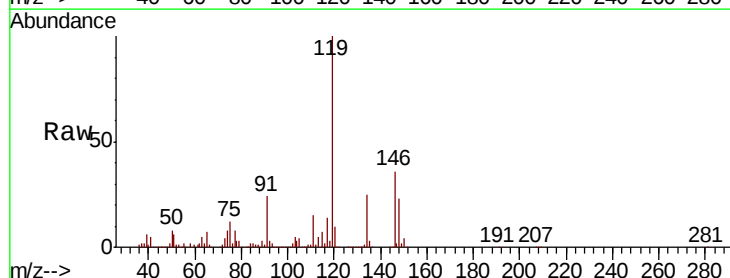
Tgt Ion:119 Resp: 892782

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

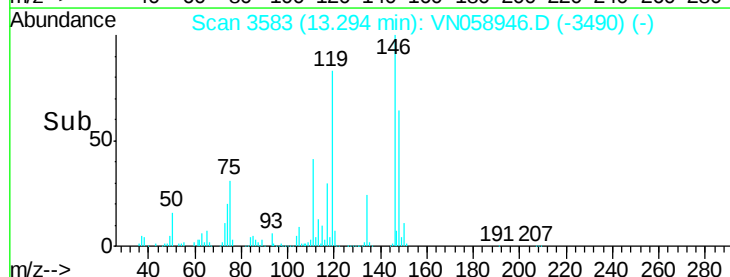
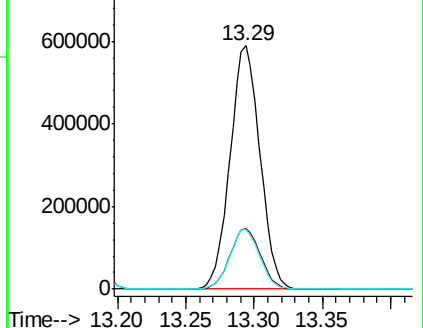
91 24.5 12.2 36.4

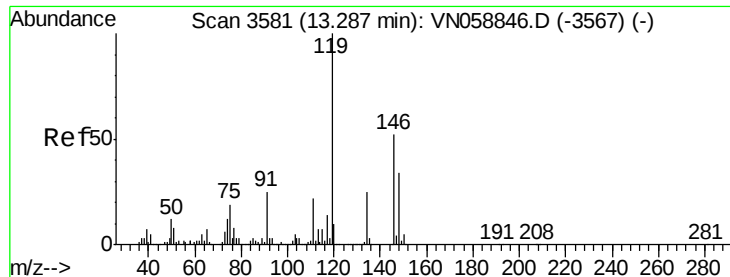


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.163 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

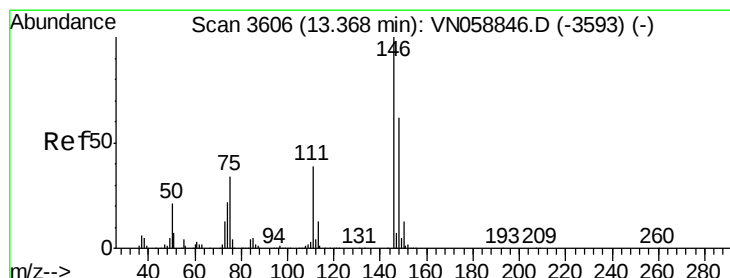
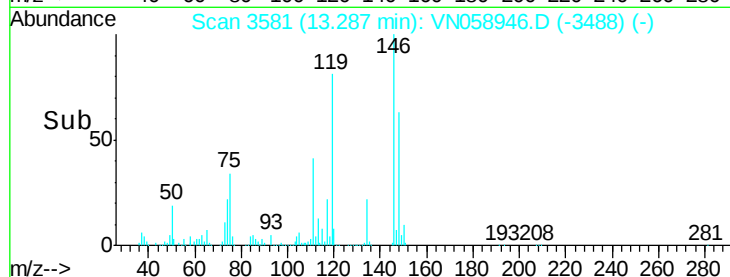
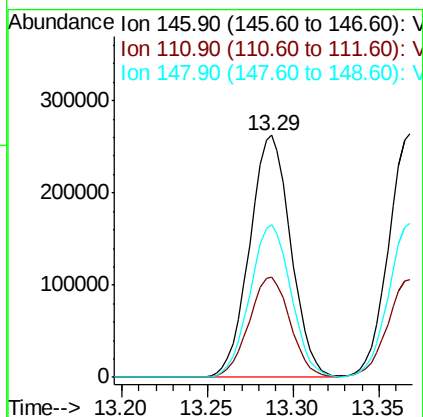
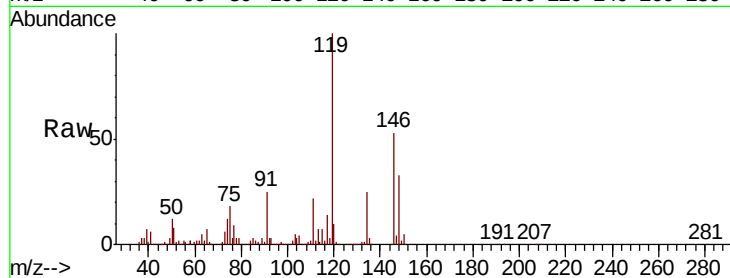
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	63.1	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 51.301 ug/l

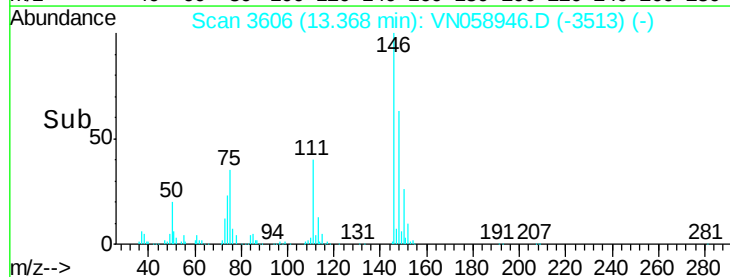
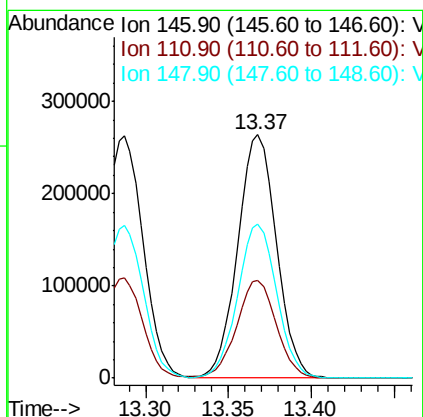
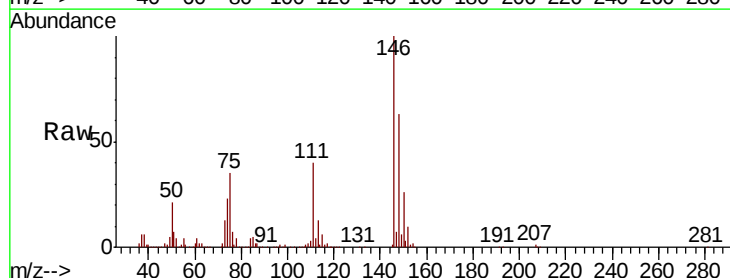
RT: 13.37 min Scan# 3606

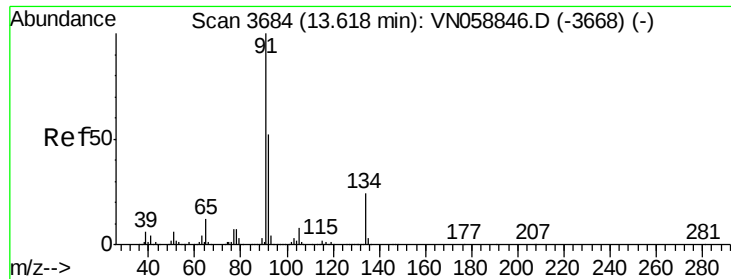
Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.6
148	63.7	31.6	94.7





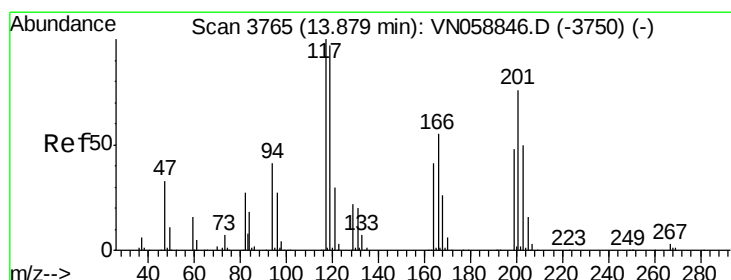
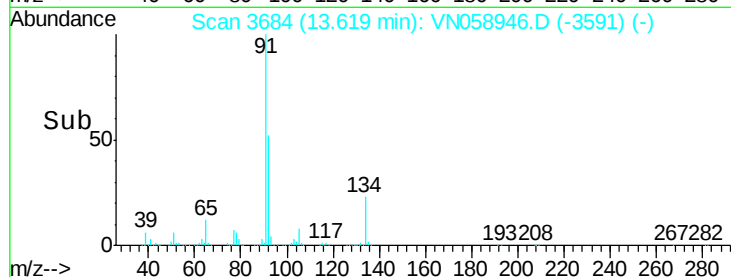
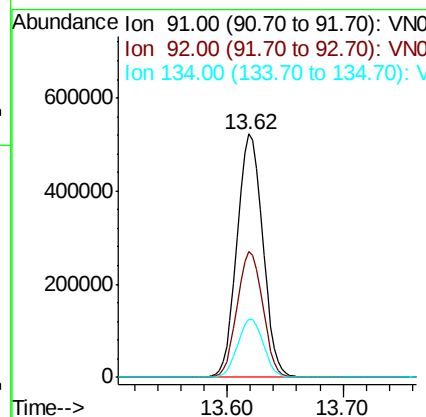
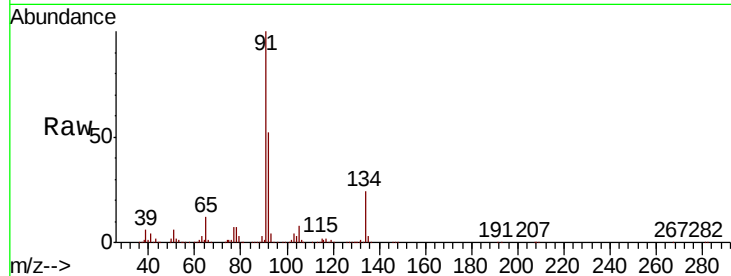
#89
n-Butylbenzene
Concen: 54.624 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.7	77.1
134	24.0	11.9	35.5

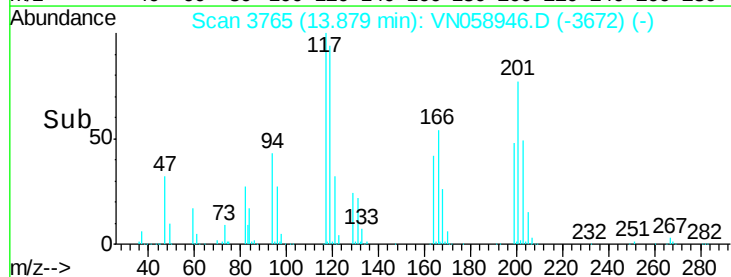
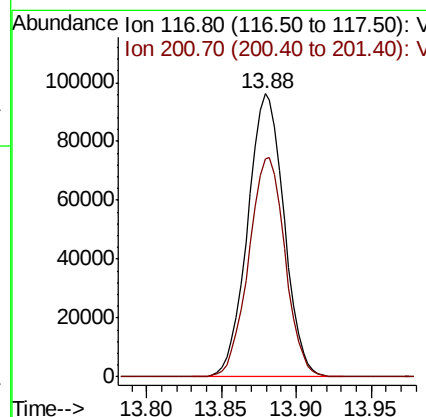
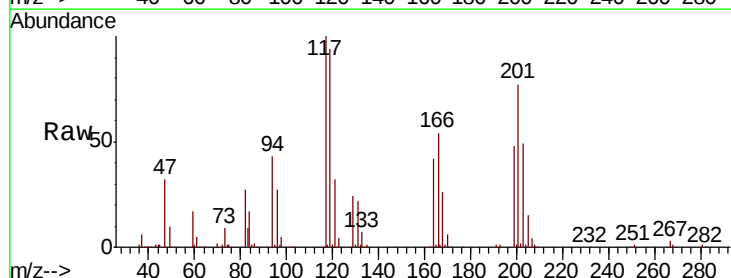
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#90
Hexachloroethane
Concen: 50.271 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.4	38.9	116.6





#91

1,2-Dichlorobenzene

Concen: 52.327 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

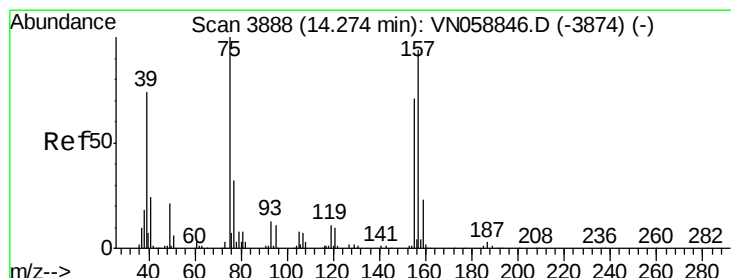
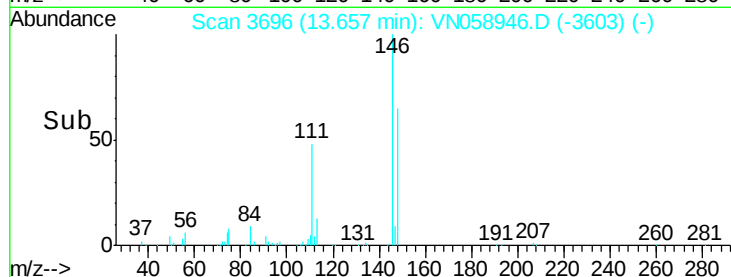
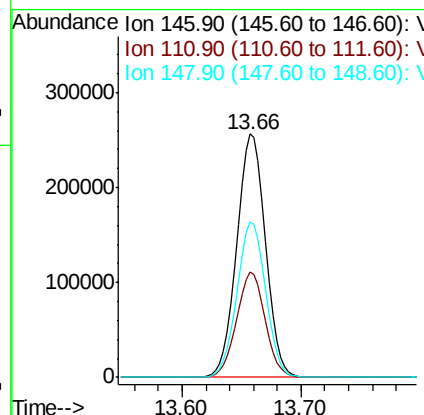
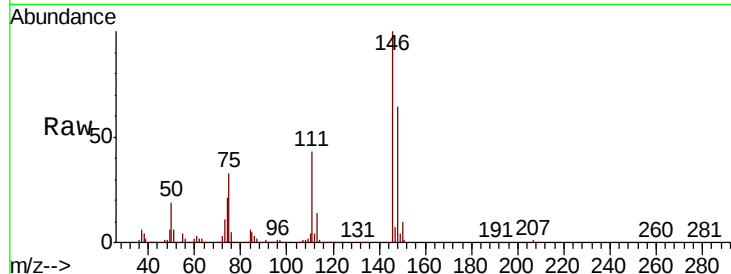
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	429070
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.6	64.8
148	63.9	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.026 ug/l

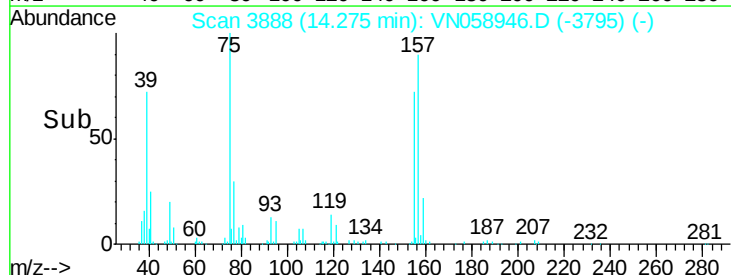
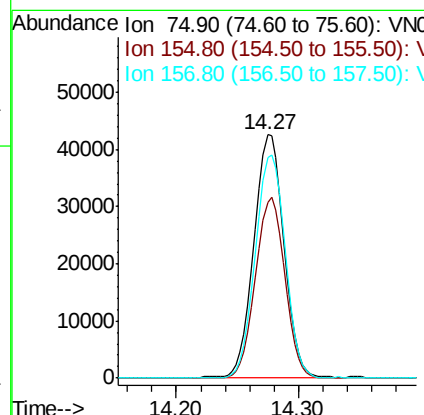
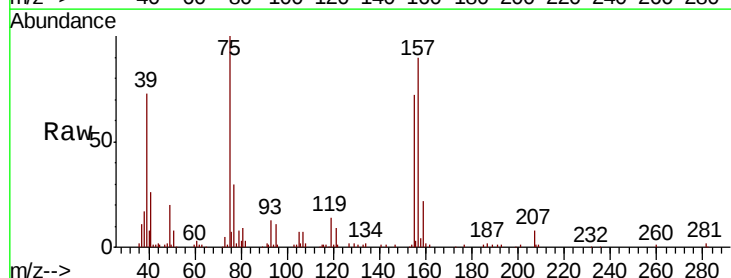
RT: 14.27 min Scan# 3888

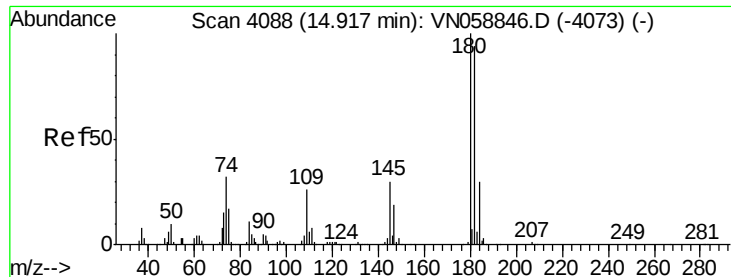
Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion:	75	Resp:	72300
Ion Ratio	Lower	Upper	
75	100		
155	72.7	35.6	106.8
157	91.2	47.4	142.2





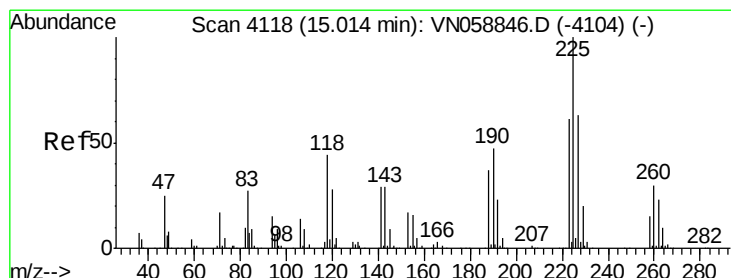
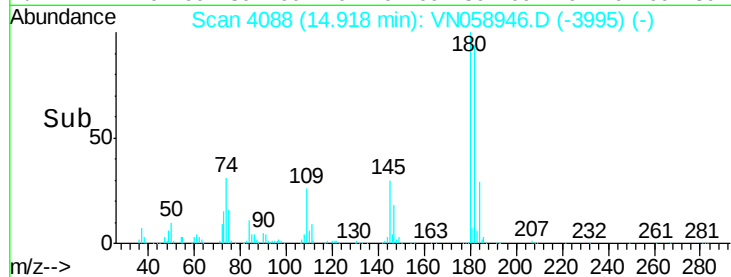
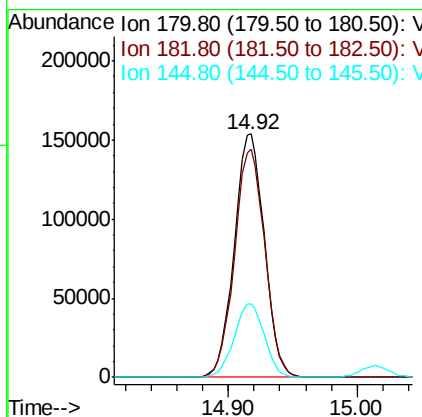
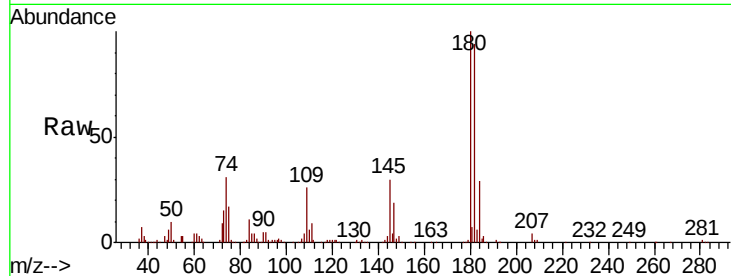
#93
 1,2,4-Trichlorobenzene
 Concen: 48.205 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	248337		
182	94.8	47.3	142.0	
145	30.5	15.3	45.8	

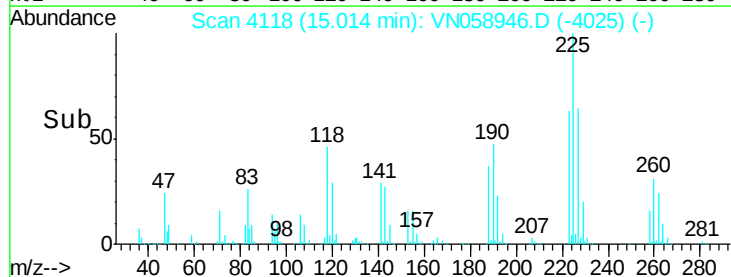
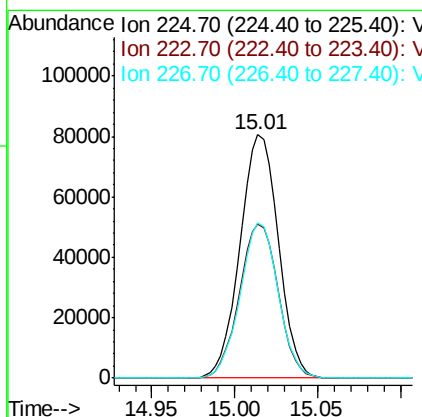
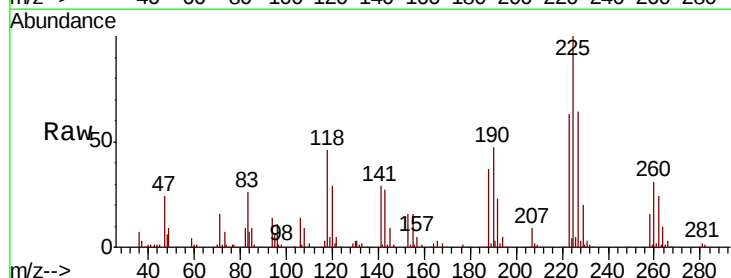
Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:36:38 PM



#94
 Hexachlorobutadiene
 Concen: 48.843 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129809		
223	64.0	30.9	92.5	
227	63.2	31.6	94.7	





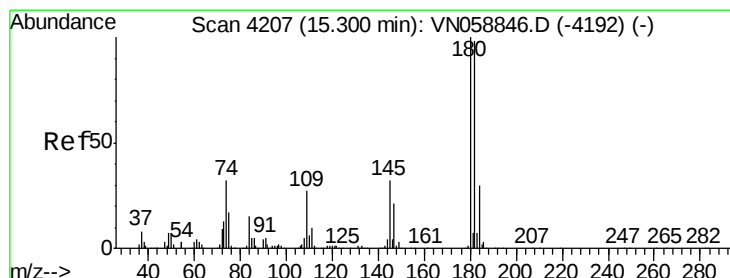
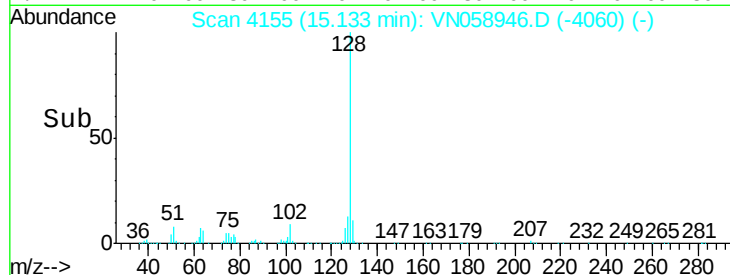
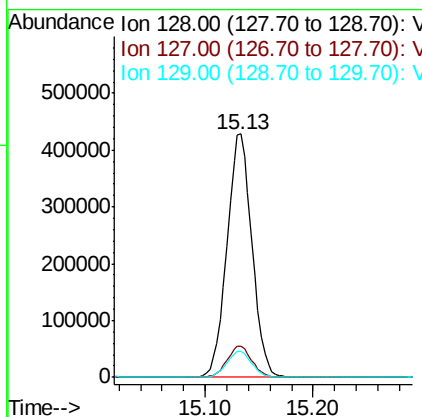
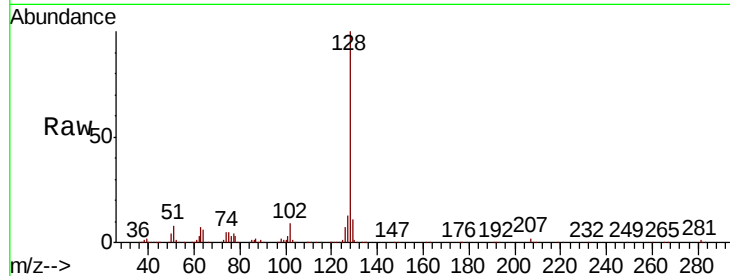
#95
Naphthalene
Concen: 46.716 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 48.185 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	31.7	15.9	47.7

