

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058895.D
 Acq On : 21 Oct 2019 17:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:51 PM

Quant Time: Oct 22 05:02:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	431541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	690667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	647945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315787	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	307873	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
35) Dibromofluoromethane	7.57	113	225174	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.08	98	878911	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	327292	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	254159	47.237	ug/l	98
3) Chloromethane	2.04	50	301981	45.317	ug/l	99
4) Vinyl Chloride	2.17	62	314075	47.469	ug/l	97
5) Bromomethane	2.54	94	194334	46.903	ug/l	97
6) Chloroethane	2.68	64	200989	47.369	ug/l	99
7) Trichlorofluoromethane	3.00	101	377260	46.082	ug/l	99
8) Diethyl Ether	3.39	74	140905	49.805	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	215603	47.505	ug/l	99
10) Methyl Iodide	3.93	142	289349	48.474	ug/l	99
11) Tert butyl alcohol	4.76	59	249837	237.870	ug/l	100
12) 1,1-Dichloroethene	3.72	96	209644	49.280	ug/l	99
13) Acrolein	3.58	56	144865	200.735	ug/l	100
14) Allyl chloride	4.30	41	424623	49.326	ug/l	98
15) Acrylonitrile	4.96	53	662919	250.920	ug/l	99
16) Acetone	3.79	43	706010	225.741	ug/l	100
17) Carbon Disulfide	4.03	76	631128	46.054	ug/l	100
18) Methyl Acetate	4.30	43	341681	48.053	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	770309	51.711	ug/l	100
20) Methylene Chloride	4.52	84	248370	46.508	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	230691	49.103	ug/l	97
22) Diisopropyl ether	5.93	45	869629	51.647	ug/l	97
23) Vinyl Acetate	5.87	43	3741199	276.551	ug/l	99
24) 1,1-Dichloroethane	5.82	63	474684	48.619	ug/l	99
25) 2-Butanone	6.81	43	987985	243.354	ug/l	99
26) 2,2-Dichloropropane	6.80	77	419810	49.711	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	269971	50.303	ug/l	99
28) Bromochloromethane	7.18	49	161142	49.558	ug/l	100
29) Tetrahydrofuran	7.19	42	630772	253.979	ug/l	99
30) Chloroform	7.35	83	468900	47.878	ug/l	99
31) Cyclohexane	7.63	56	437663	48.118	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	413109	50.043	ug/l	99
36) 1,1-Dichloropropene	7.77	75	358650	50.721	ug/l	100
37) Ethyl Acetate	6.91	43	398584	51.733	ug/l	99
38) Carbon Tetrachloride	7.76	117	361233	49.589	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	412715	51.981	ug/l	99
40) Benzene	8.02	78	1046421	50.396	ug/l	98
41) Methacrylonitrile	7.15	41	146420m	42.669	ug/l	
42) 1,2-Dichloroethane	8.11	62	396322	49.550	ug/l	100
43) Isopropyl Acetate	8.15	43	641371	51.905	ug/l	100
44) Trichloroethene	8.82	130	256011	50.615	ug/l	97
45) 1,2-Dichloropropane	9.10	63	289326	50.815	ug/l	98
46) Dibromomethane	9.20	93	178220	49.513	ug/l	99
47) Bromodichloromethane	9.39	83	375477	50.612	ug/l	99
48) Methyl methacrylate	9.19	41	295414	52.694	ug/l	99
49) 1,4-Dioxane	9.19	88	91050	989.348	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1979082	274.209	ug/l	99
52) Toluene	10.15	92	648335	52.653	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	427621	52.069	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	457002	52.085	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	252892	49.856	ug/l	99
56) Ethyl methacrylate	10.43	69	410301	48.231	ug/l	99
57) 1,3-Dichloropropane	10.70	76	452134	50.786	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	883385	245.619	ug/l	100
59) 2-Hexanone	10.75	43	1508439	270.468	ug/l	100
60) Dibromochloromethane	10.90	129	279459	51.185	ug/l	99
61) 1,2-Dibromoethane	11.00	107	262414	50.551	ug/l	100
64) Tetrachloroethene	10.63	164	220943	48.690	ug/l	99
65) Chlorobenzene	11.43	112	674439	51.128	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	253887	51.003	ug/l	99
67) Ethyl Benzene	11.51	91	1265420	54.684	ug/l	98
68) m/p-Xylenes	11.62	106	934121	108.852	ug/l	100
69) o-Xylene	11.95	106	445369	54.416	ug/l	99
70) Styrene	11.97	104	743100	49.215	ug/l	100
71) Bromoform	12.13	173	199494	51.682	ug/l #	100
73) Isopropylbenzene	12.25	105	1218367	52.793	ug/l	99
74) N-amyl acetate	12.07	43	569290	54.412	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	396470	48.858	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	344751m	47.105	ug/l	
77) Bromobenzene	12.53	156	282875	49.729	ug/l	99
78) n-propylbenzene	12.59	91	1450640	53.177	ug/l	100
79) 2-Chlorotoluene	12.68	91	848453	50.818	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1044009	53.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	142718	50.800	ug/l	99
82) 4-Chlorotoluene	12.78	91	876769	51.387	ug/l	100
83) tert-Butylbenzene	13.00	119	884807	53.363	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1052376	55.026	ug/l	99
85) sec-Butylbenzene	13.17	105	1200042	54.285	ug/l	98
86) p-Isopropyltoluene	13.29	119	1084595	55.604	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	520707	51.194	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	520758	51.138	ug/l	100
89) n-Butylbenzene	13.62	91	980978	54.748	ug/l	100
90) Hexachloroethane	13.88	117	197701	50.019	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	512367	51.252	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86951	47.375	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	299778	47.754	ug/l	99
94) Hexachlorobutadiene	15.01	225	157792	48.698	ug/l	98
95) Naphthalene	15.13	128	864044	47.868	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	292132	47.793	ug/l	99

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

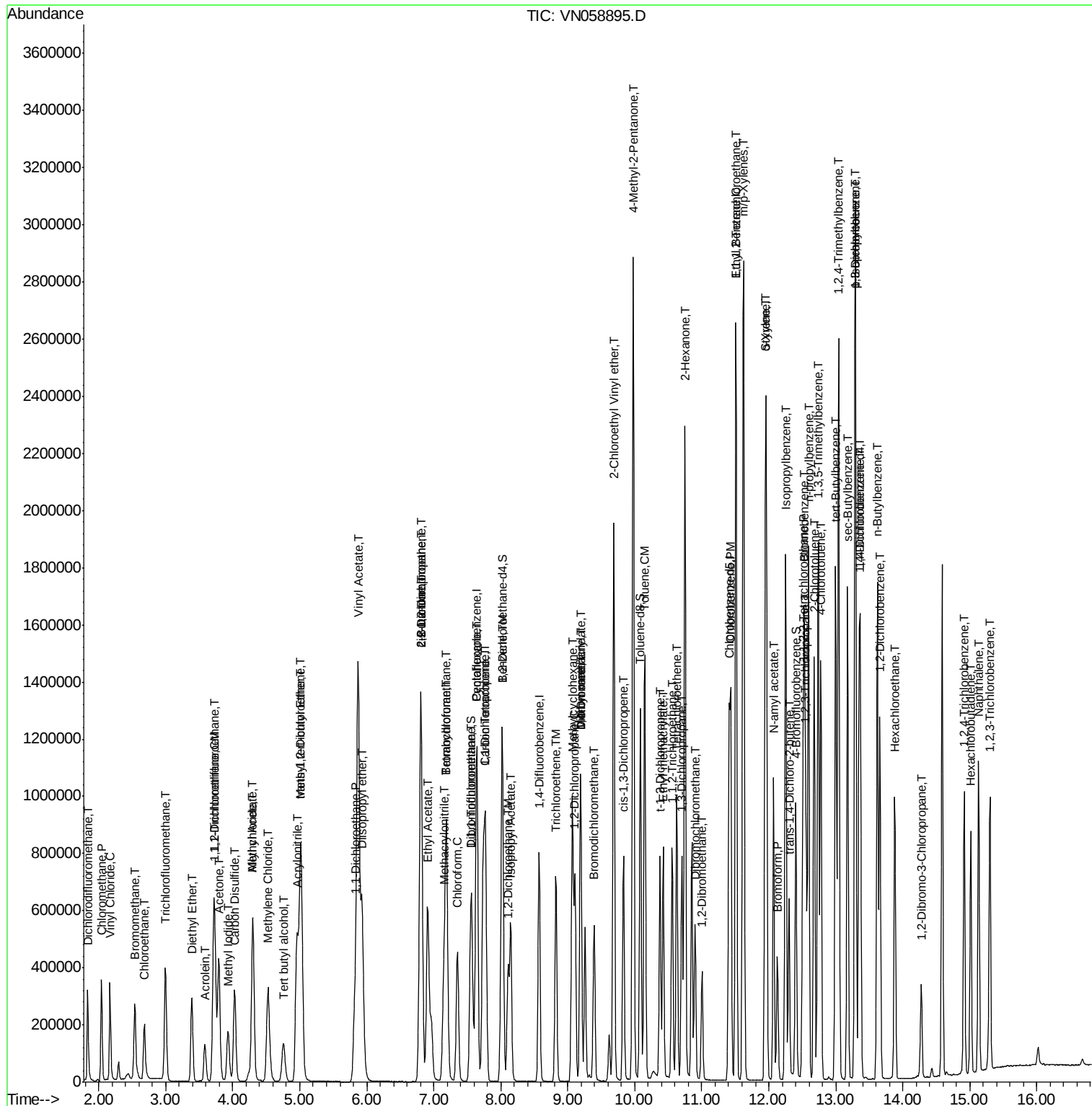
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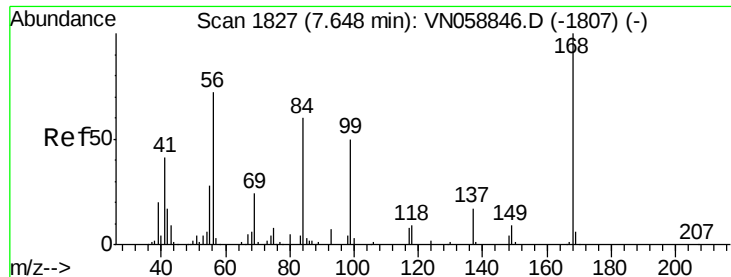
Instrument :
MSVOA_N
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VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 431541

Ion Ratio Lower Upper

168 100

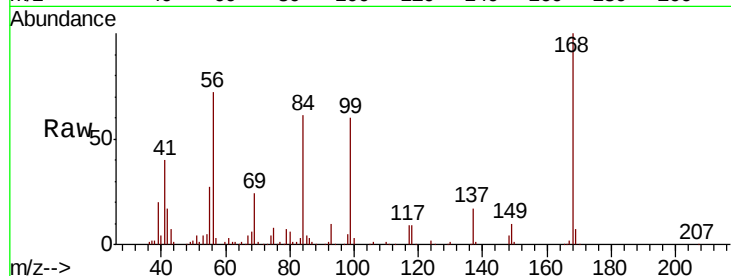
99 59.4 48.1 72.1

Manual Integrations

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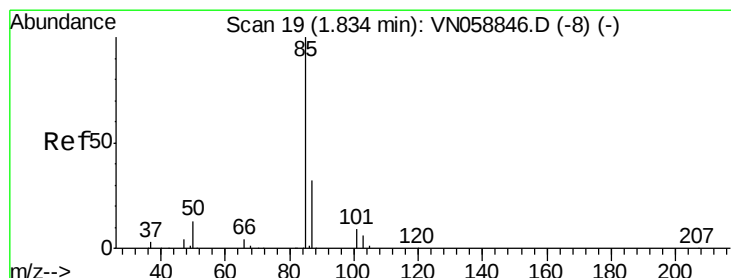
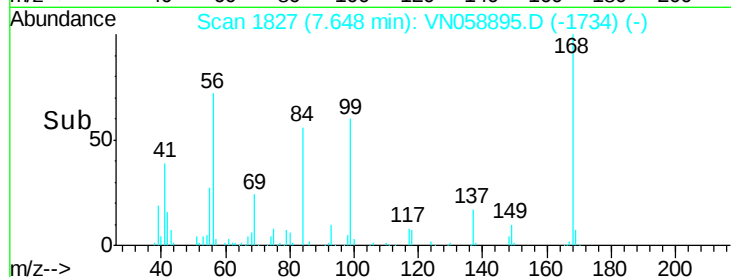
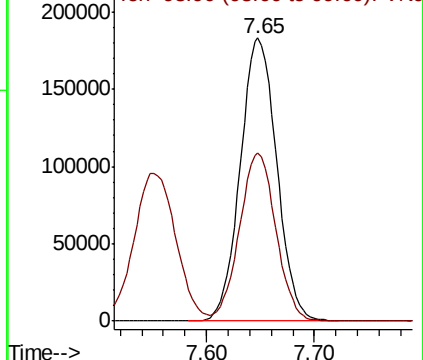
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.237 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058895.D

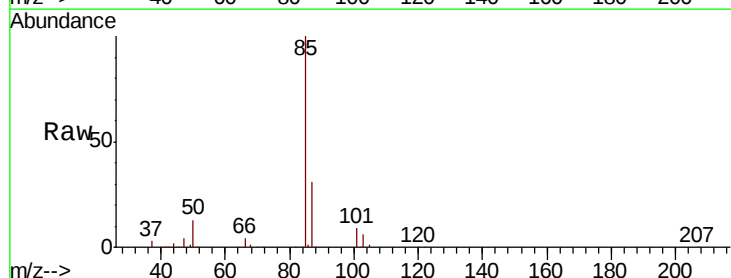
Acq: 21 Oct 2019 17:42

Tgt Ion: 85 Resp: 254159

Ion Ratio Lower Upper

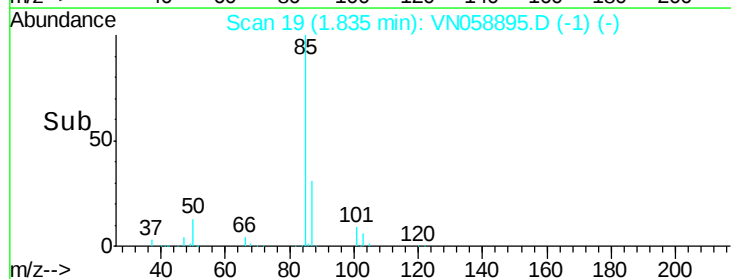
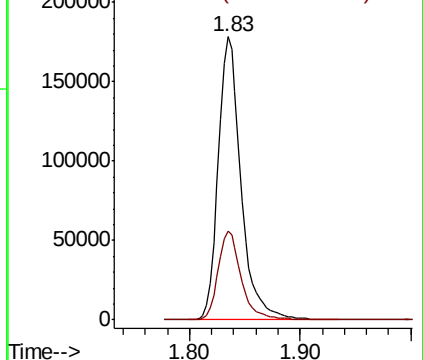
85 100

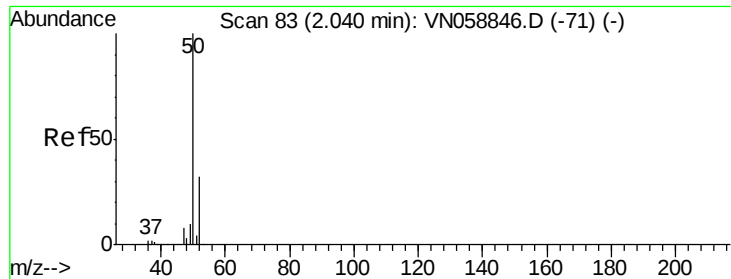
87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.317 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 301981

Ion Ratio Lower Upper

50 100

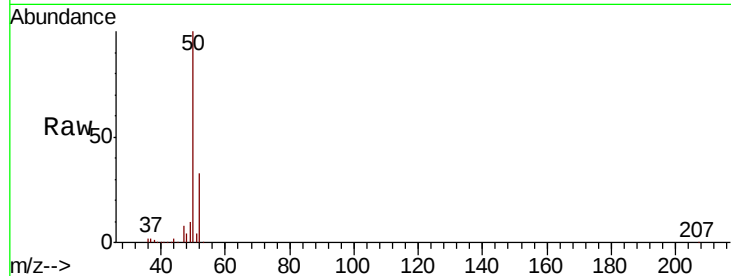
52 32.9 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

200000

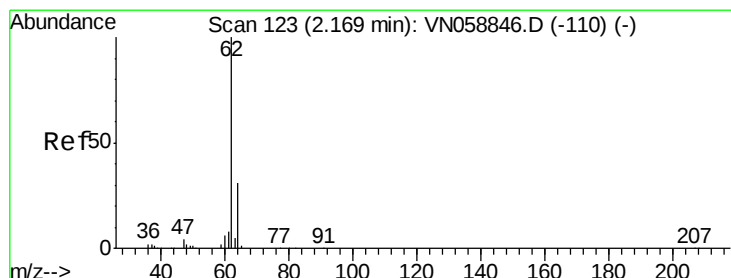
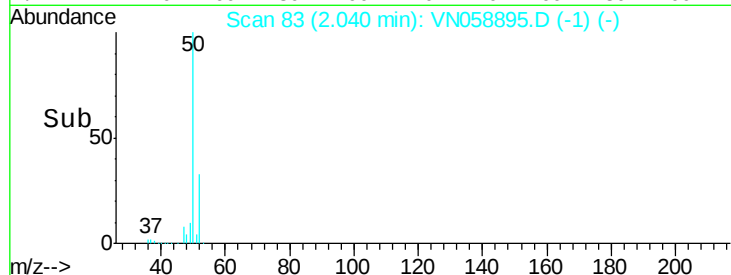
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.469 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058895.D

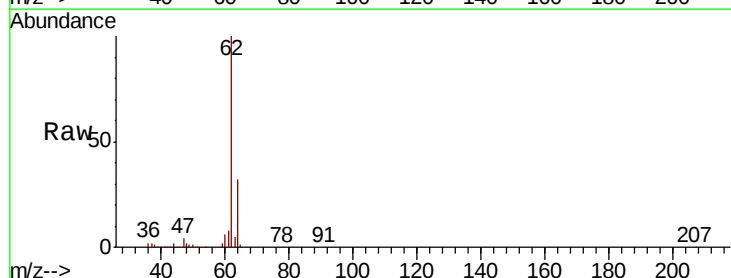
Acq: 21 Oct 2019 17:42

Tgt Ion: 62 Resp: 314075

Ion Ratio Lower Upper

62 100

64 32.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

200000

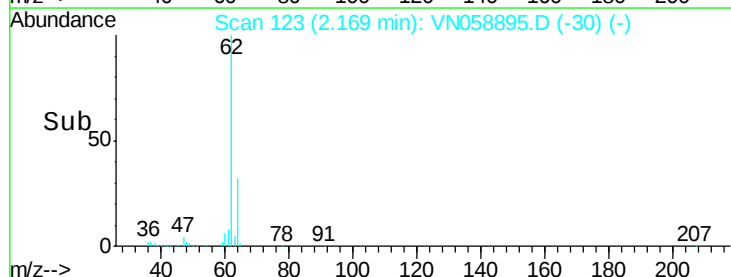
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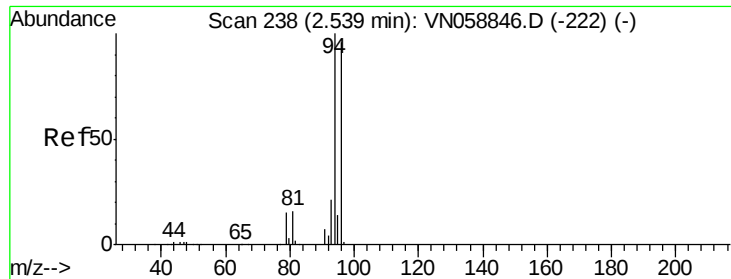
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50000

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Time-->





#5

Bromomethane

Concen: 46.903 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 194334

Ion Ratio Lower Upper

94 100

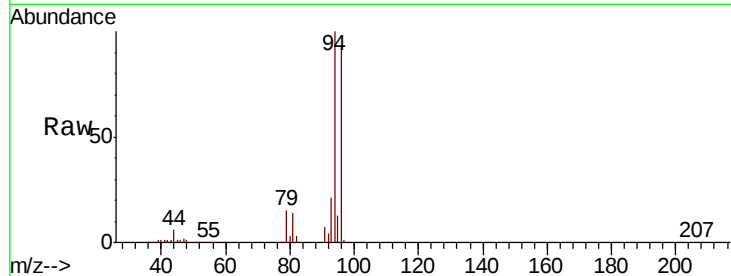
96 93.4 77.0 115.6

Manual Integrations

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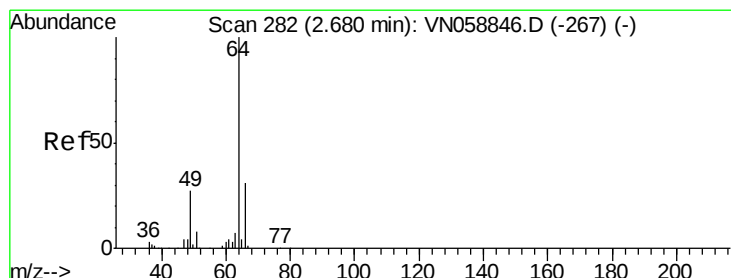
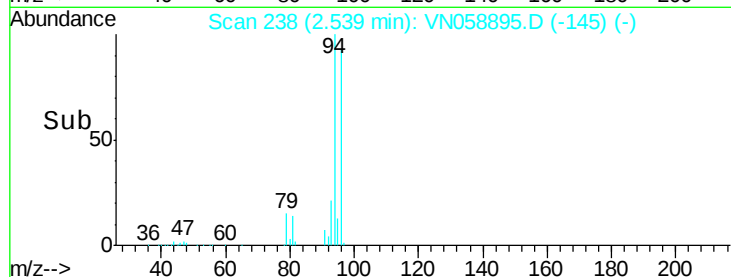
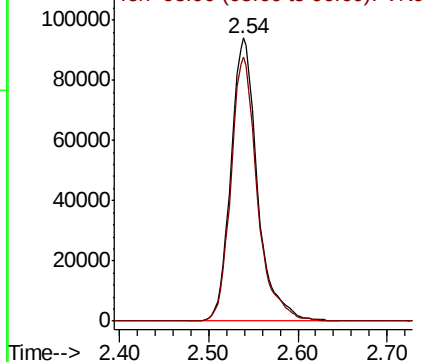
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.369 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058895.D

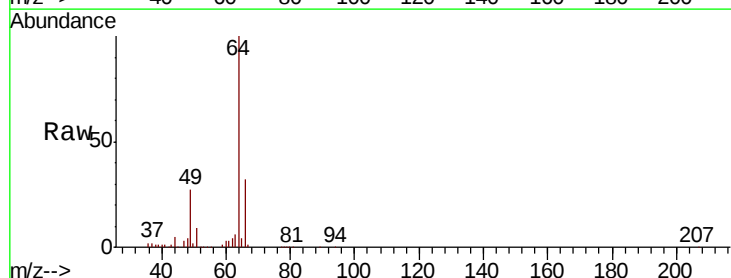
Acq: 21 Oct 2019 17:42

Tgt Ion: 64 Resp: 200989

Ion Ratio Lower Upper

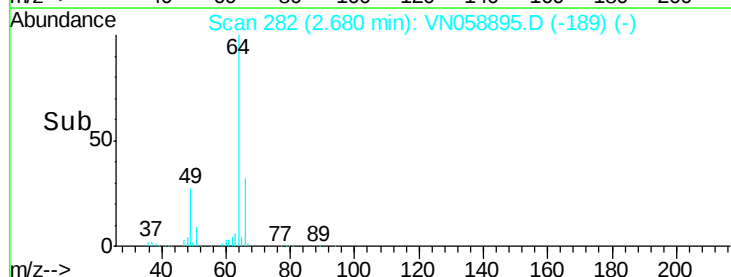
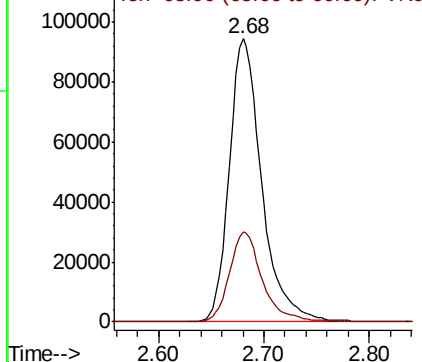
64 100

66 31.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

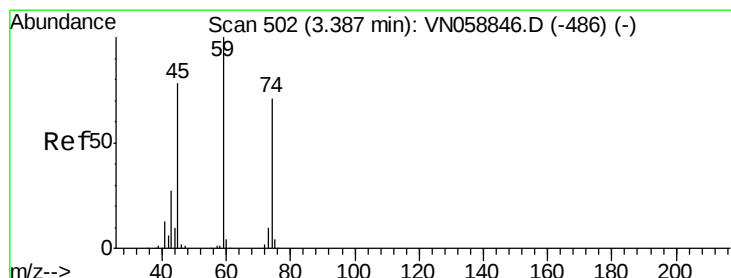
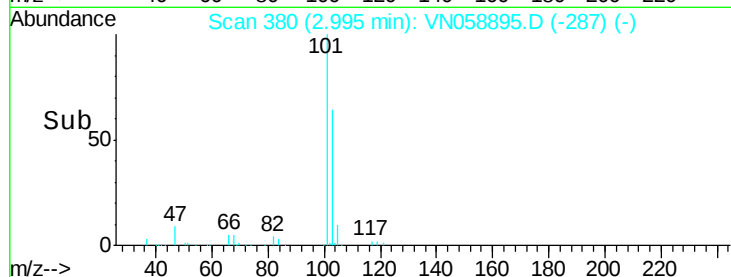
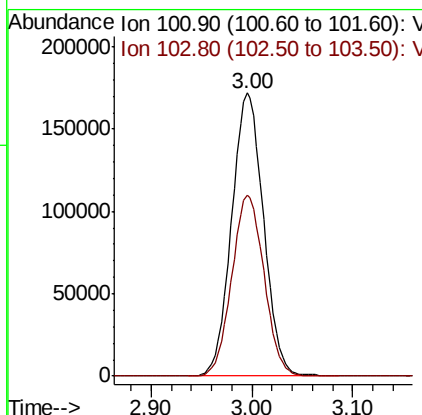
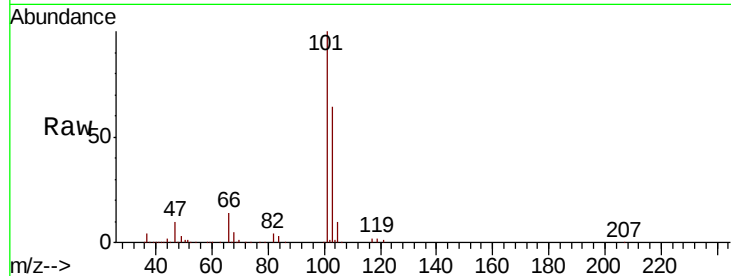
Trichlorofluoromethane
Concen: 46.082 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058895.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	377260		
103	64.1	52.2	78.2	

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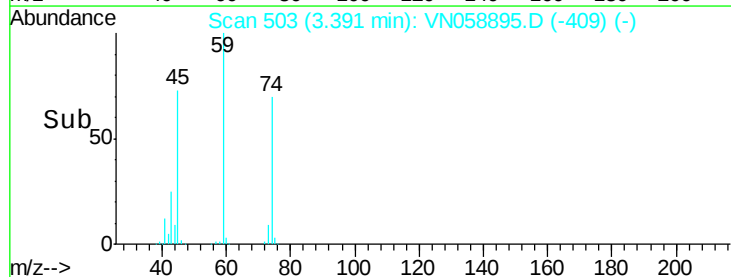
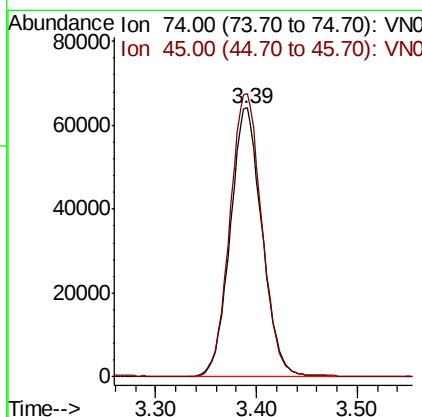
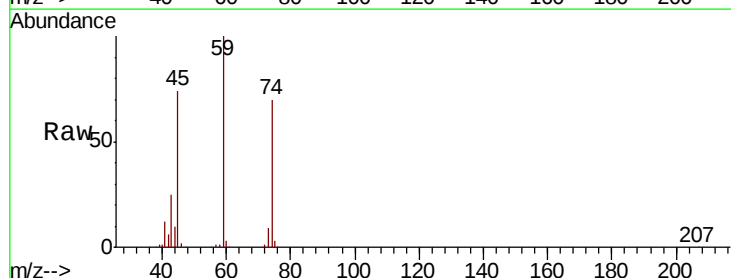
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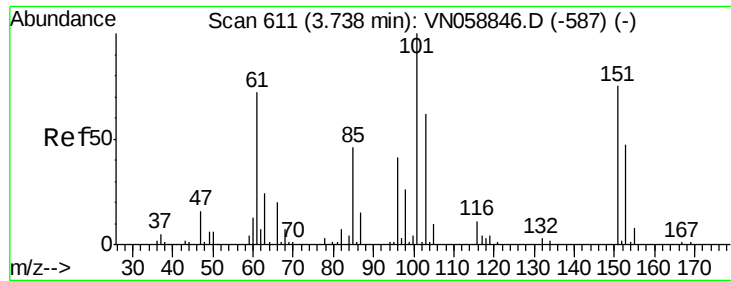


#8

Diethyl Ether
Concen: 49.805 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	140905		
45	106.6	54.9	164.5	





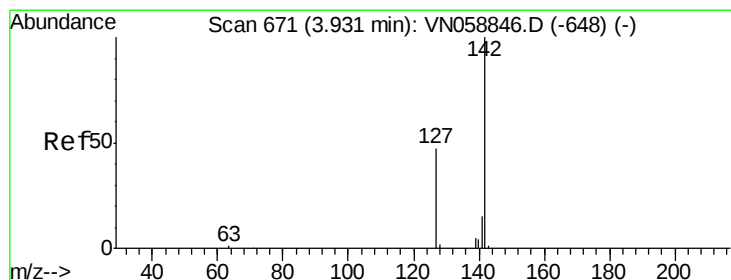
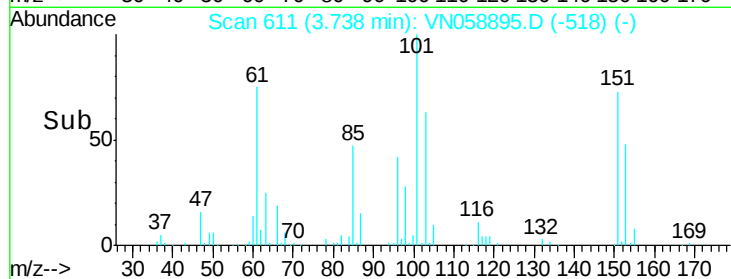
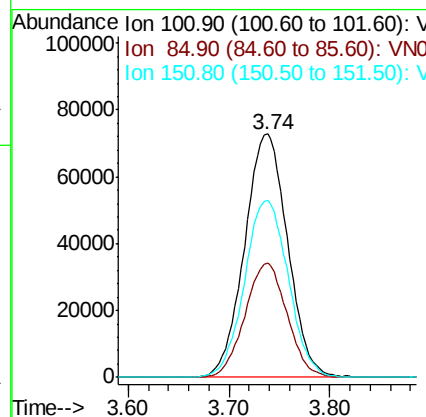
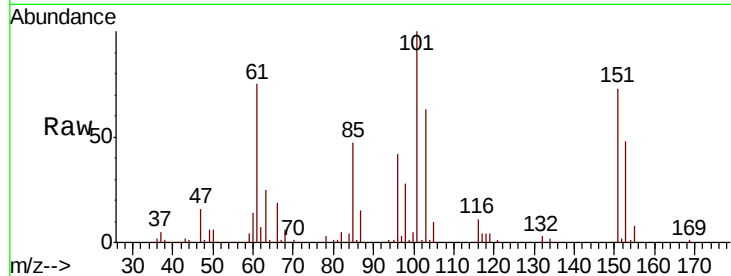
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.505 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.9	37.2	55.8
151	73.9	59.9	89.9

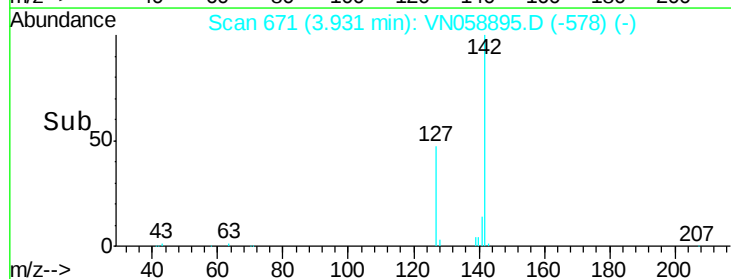
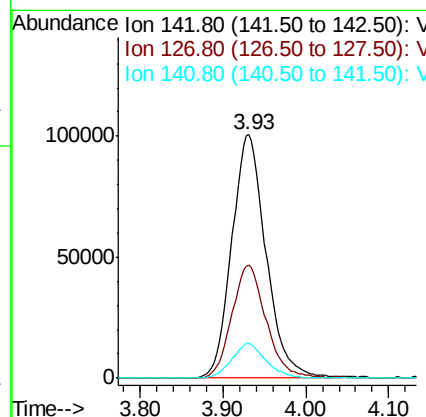
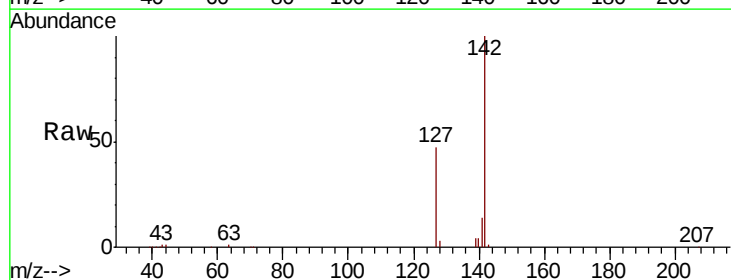
Manual Integrations
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MMDadoda
 10/22/2019 4:55:51 PM



#10
 Methyl Iodide
 Concen: 48.474 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.4	36.6	54.8
141	14.2	11.4	17.2





#11

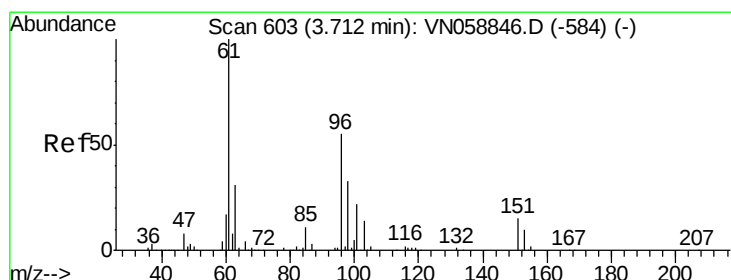
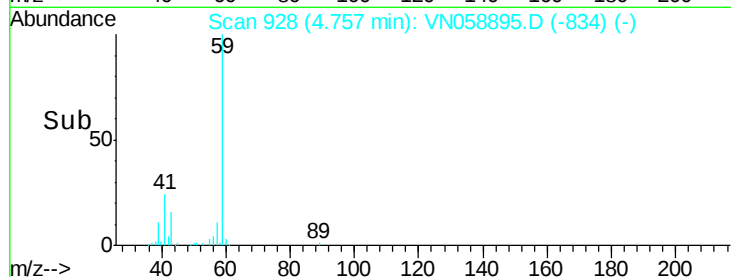
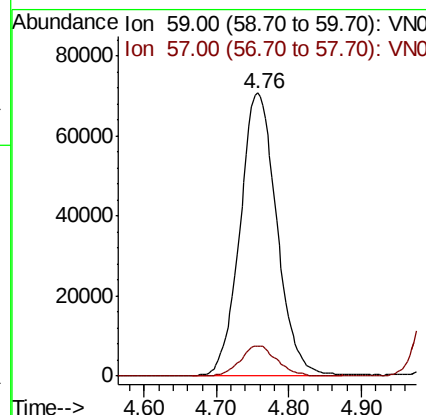
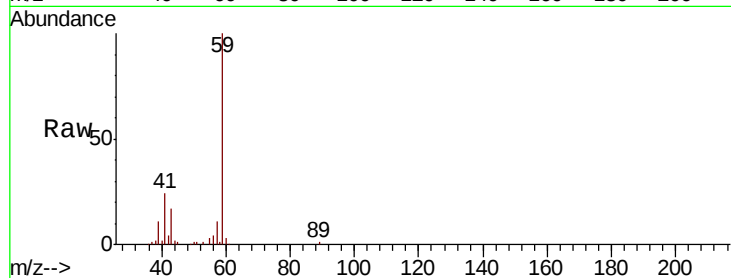
Tert butyl alcohol
Concen: 237.870 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.6	Resp:	249837	Lower	8.6	Upper	12.8
Ion											

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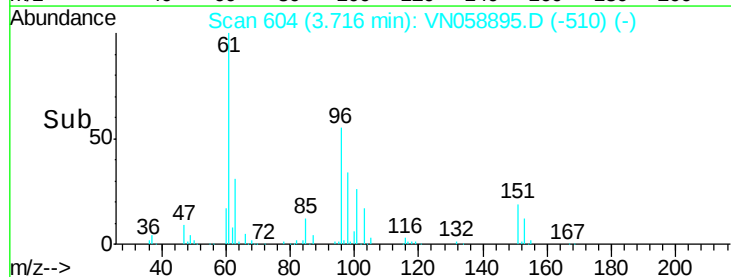
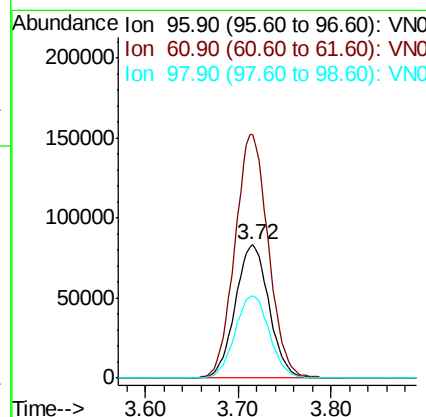
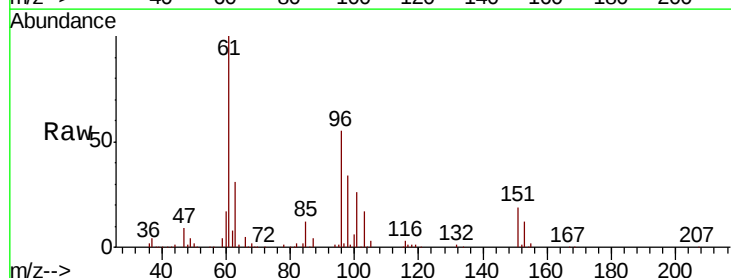
MMDadoda
10/22/2019 4:55:51 PM

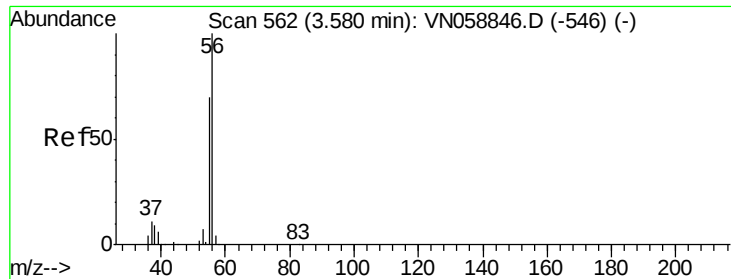


#12

1,1-Dichloroethene
Concen: 49.280 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion	96	61	98	Ratio	100	182.1	61.8	Resp:	209644	Lower	146.2	48.7	Upper	219.2	73.1
Ion															





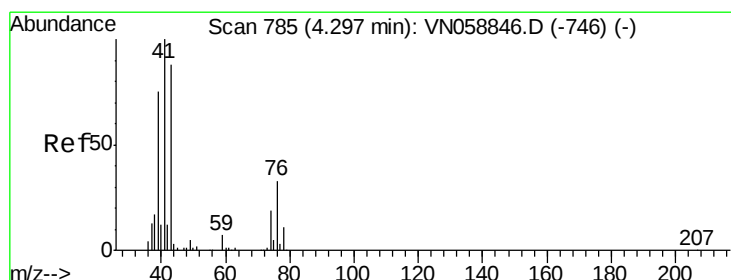
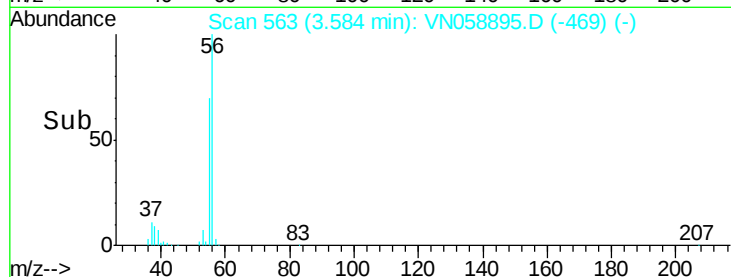
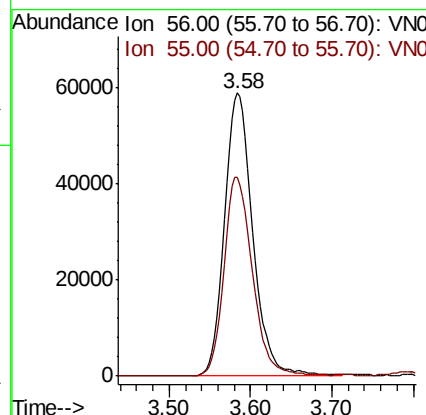
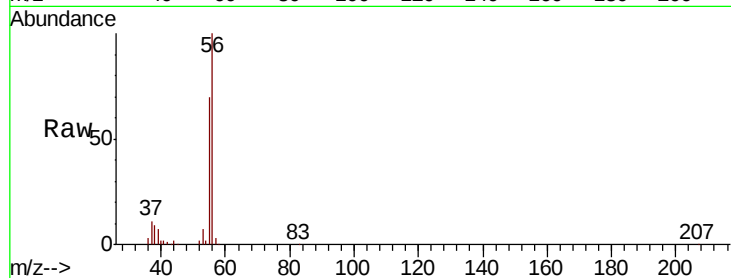
#13
Acrolein
Concen: 200.735 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	144865
Ion Ratio	100	Lower	Upper
56	100		
55	70.7	56.6	85.0

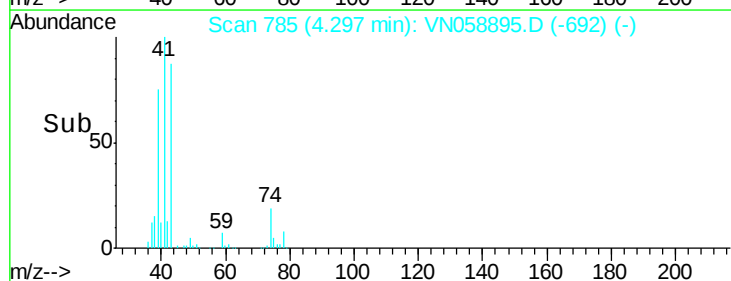
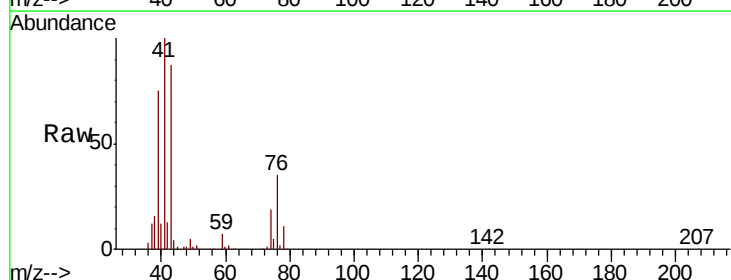
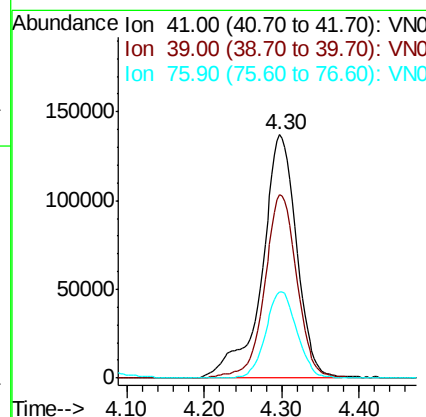
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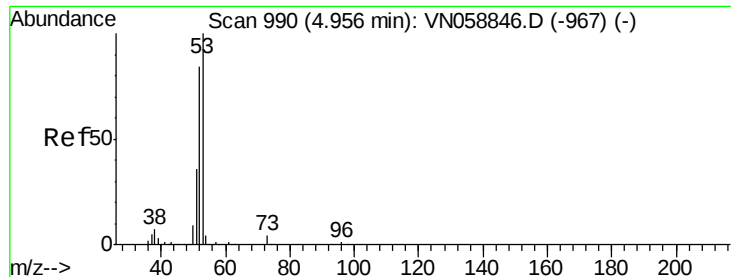
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#14
Allyl chloride
Concen: 49.326 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion	41	Resp	424623
Ion Ratio	100	Lower	Upper
41	100		
39	70.3	55.9	83.9
76	32.2	24.1	36.1





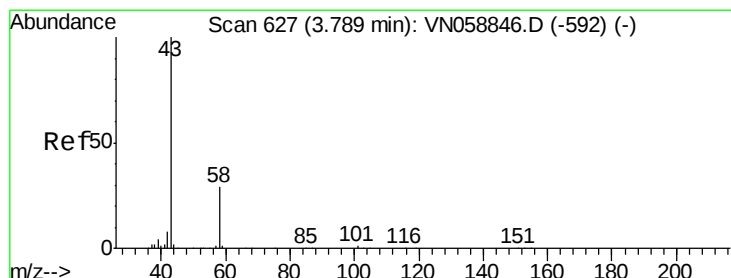
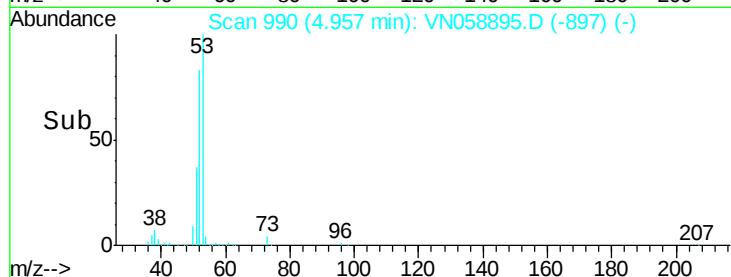
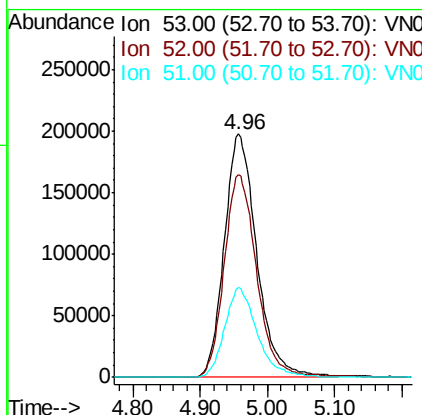
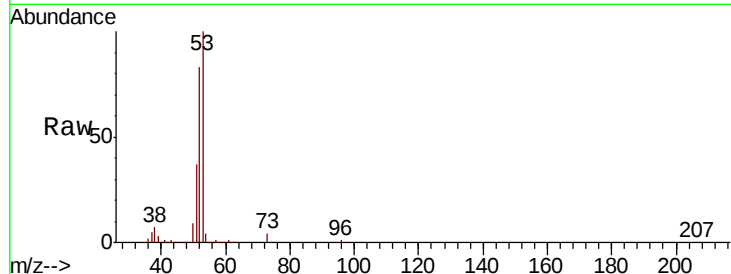
#15
 Acrylonitrile
 Concen: 250.920 ug/l
 RT: 4.96 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.6	99.8
51	37.2	29.2	43.8

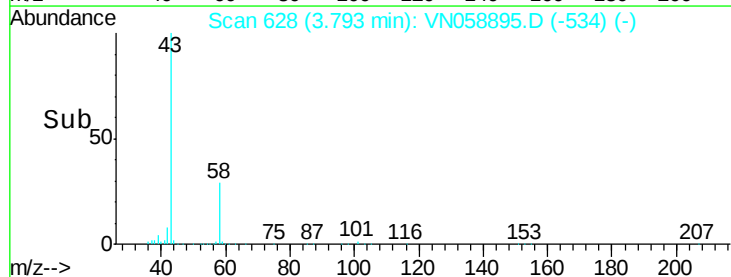
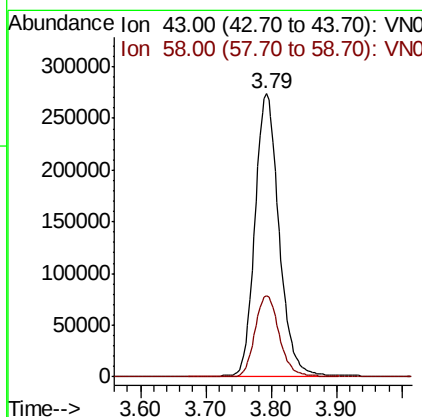
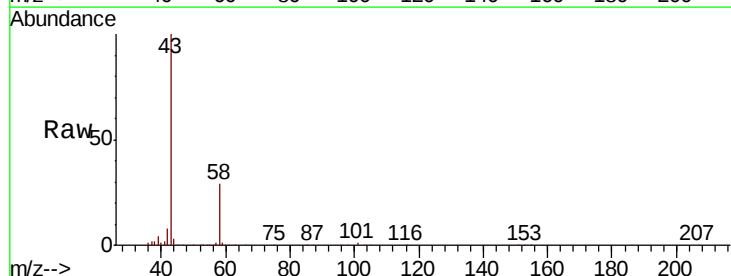
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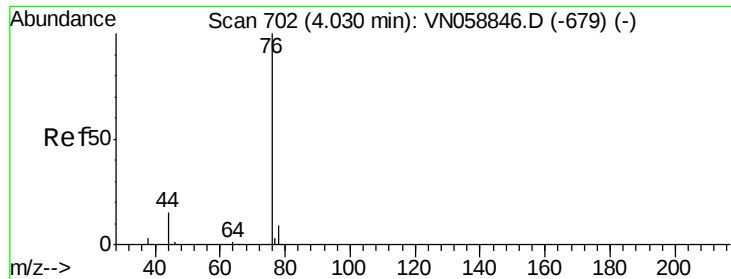
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#16
 Acetone
 Concen: 225.741 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.1	34.7





#17

Carbon Disulfide

Concen: 46.054 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 631128

Ion Ratio Lower Upper

76 100

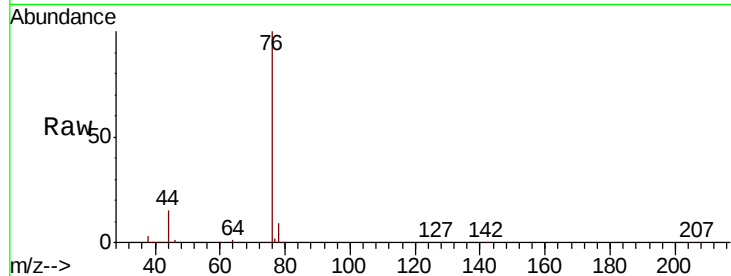
78 8.8 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VN058846.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058846.D (-679) (-)

4.03

250000

200000

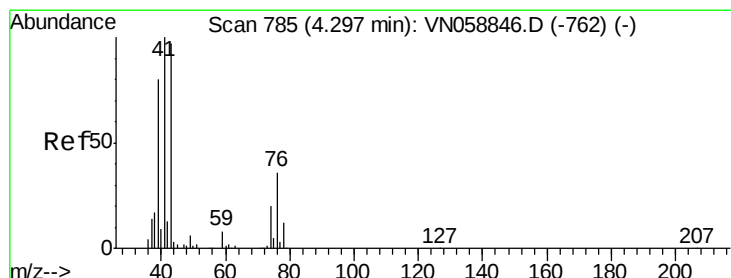
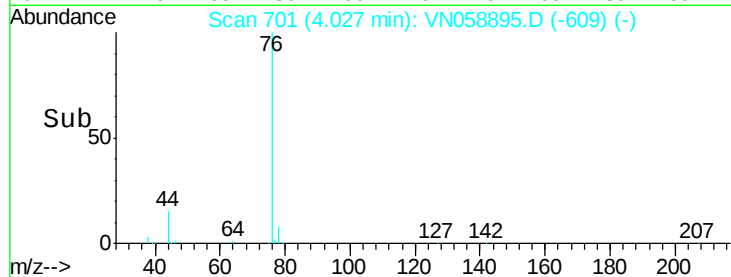
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.053 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058895.D

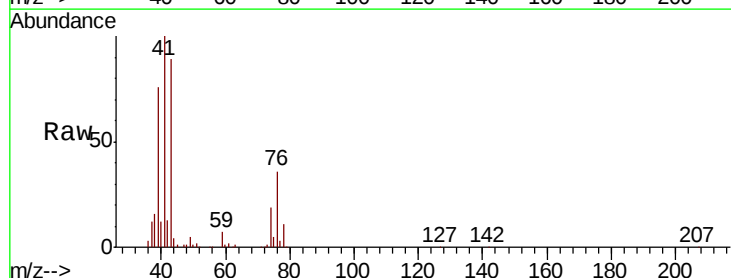
Acq: 21 Oct 2019 17:42

Tgt Ion: 43 Resp: 341681

Ion Ratio Lower Upper

43 100

74 21.8 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN058895.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN058895.D (-692) (-)

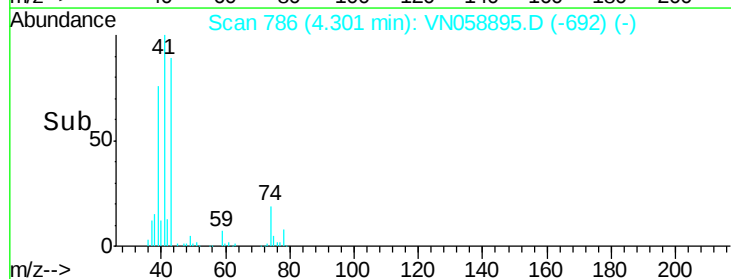
4.30

100000

50000

0

Time-->





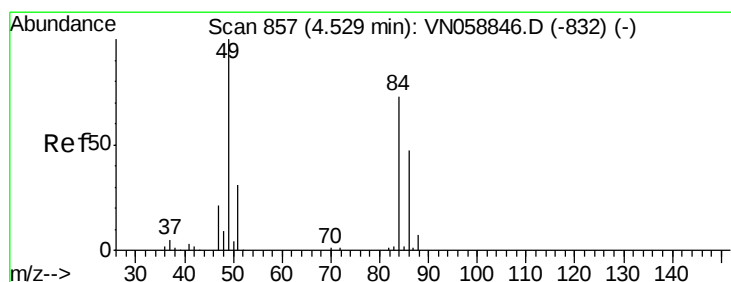
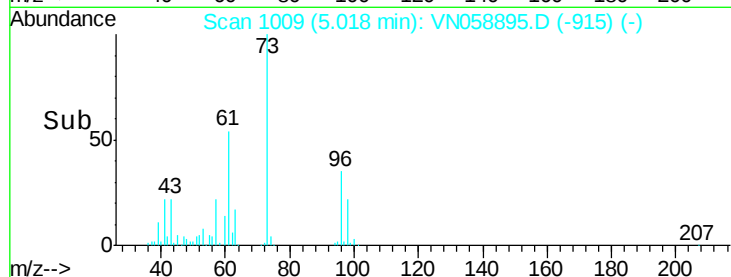
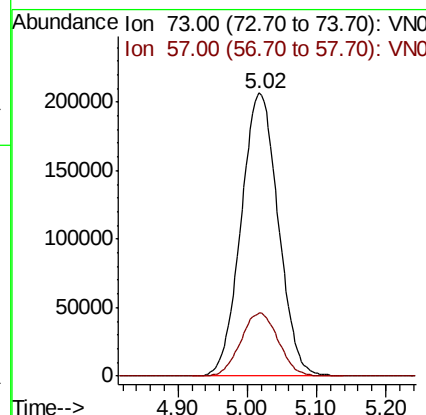
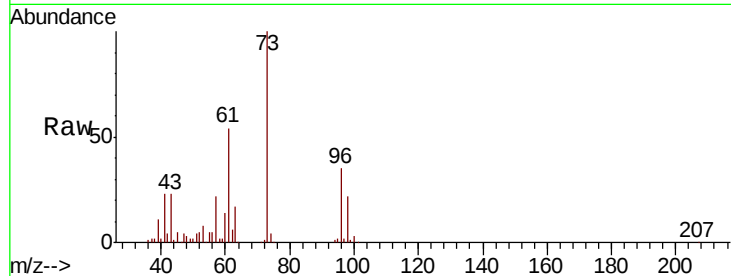
#19
Methvl tert-butvl Ether
Concen: 51.711 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 770309
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

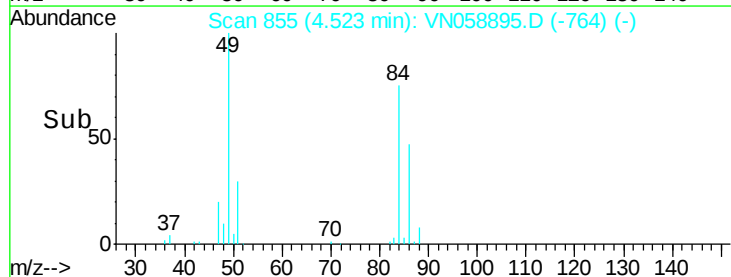
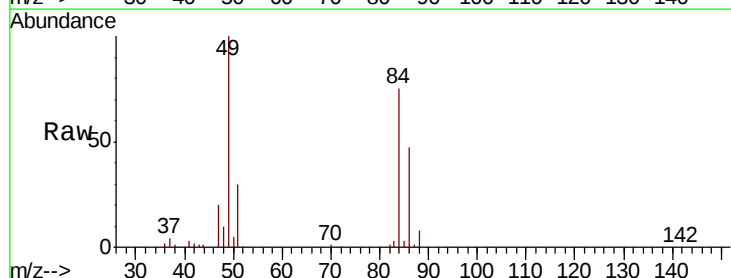
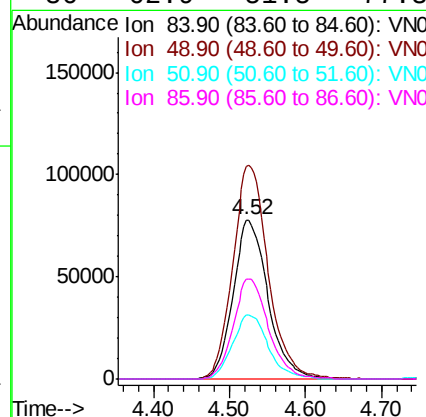
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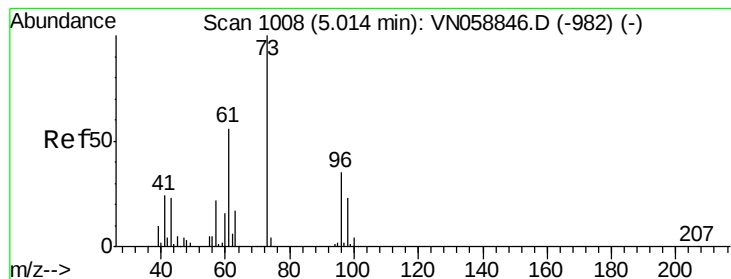
MMDadoda
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#20
Methylene Chloride
Concen: 46.508 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 84 Resp: 248370
Ion Ratio Lower Upper
84 100
49 133.0 109.6 164.4
51 40.3 33.8 50.6
86 62.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.103 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

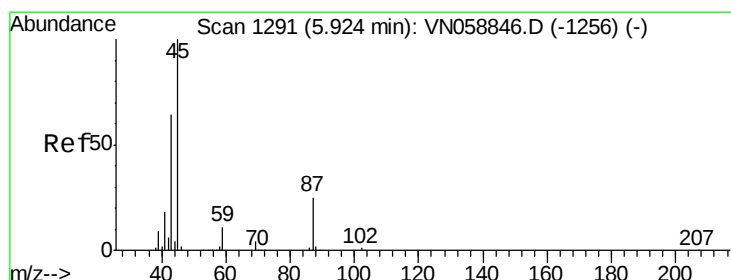
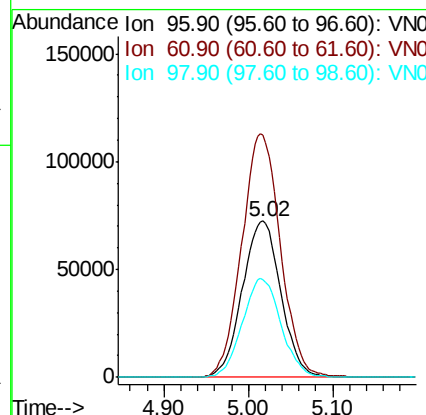
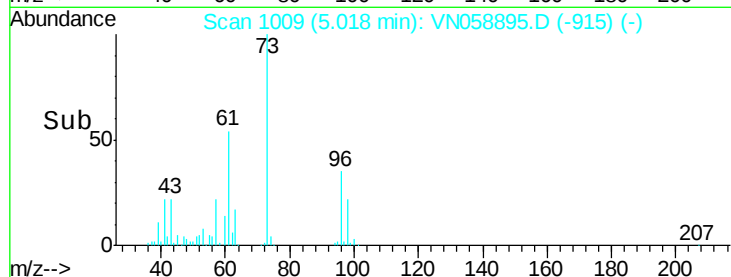
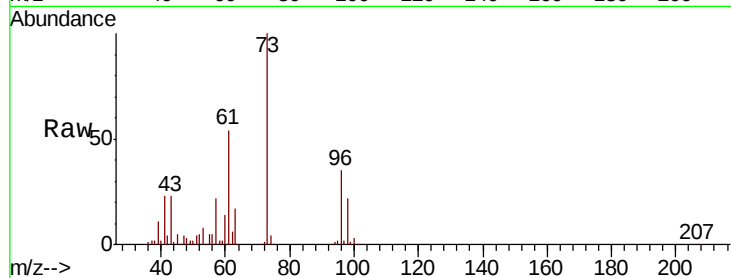
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	230691
Ion	Ratio	Lower	Upper
96	100		
61	154.9	126.7	190.1
98	62.7	52.0	78.0

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#22

Diisopropyl ether

Concen: 51.647 ug/l

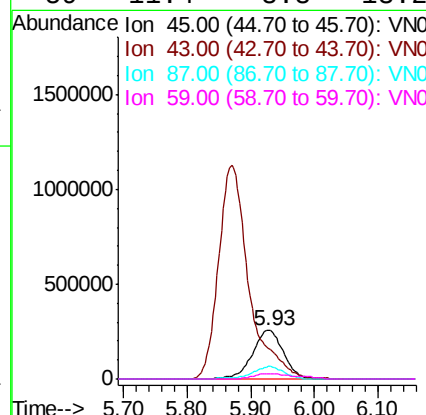
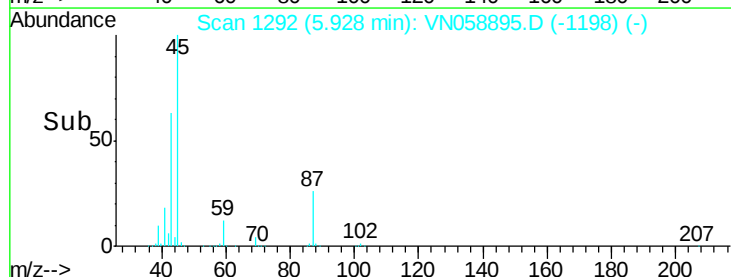
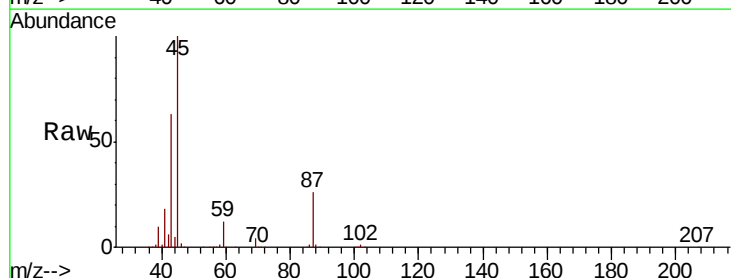
RT: 5.93 min Scan# 1292

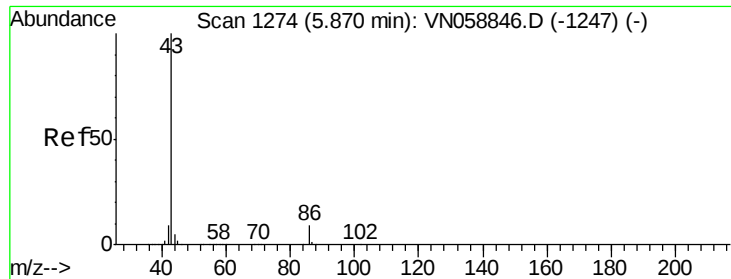
Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Tgt Ion:	45	Resp:	869629
Ion	Ratio	Lower	Upper
45	100		
43	62.4	52.9	79.3
87	25.5	20.2	30.4
59	11.4	8.8	13.2





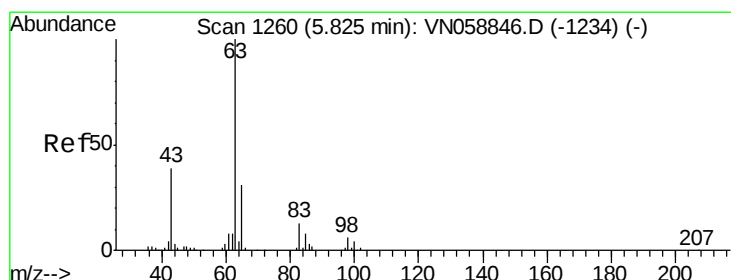
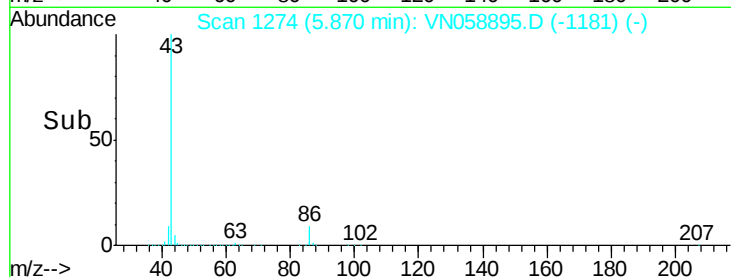
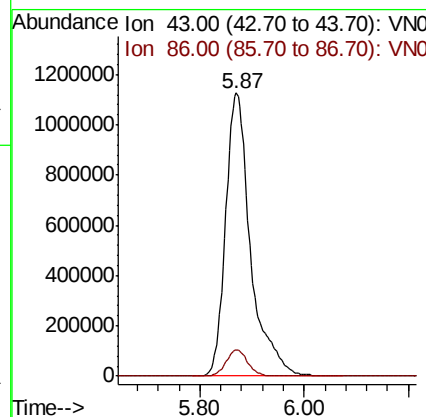
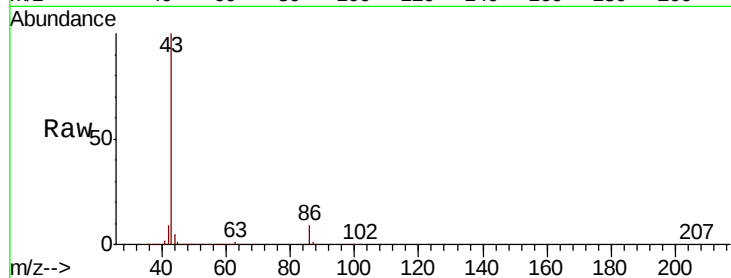
#23
 Vinyl Acetate
 Concen: 276.551 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3741199
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.2 10.8

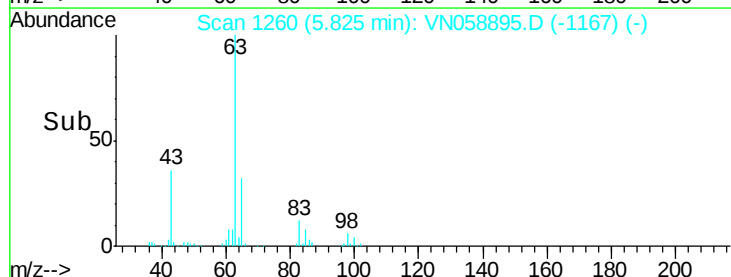
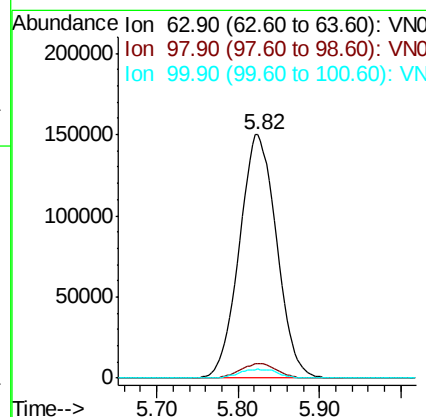
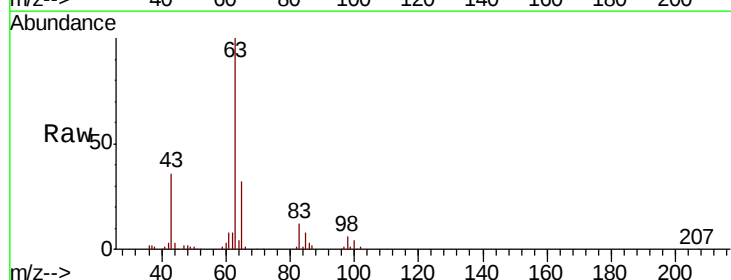
Manual Integrations
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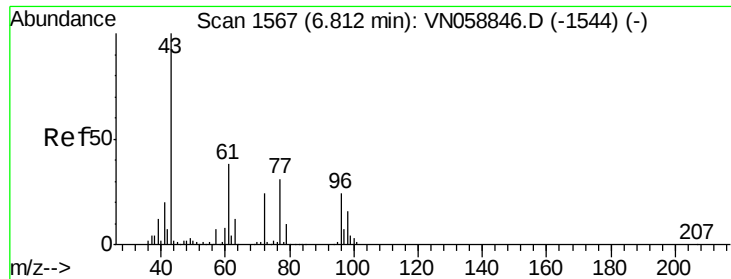
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 48.619 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion: 63 Resp: 474684
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.8 8.4
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 243.354 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 987985

Ion Ratio Lower Upper

43 100

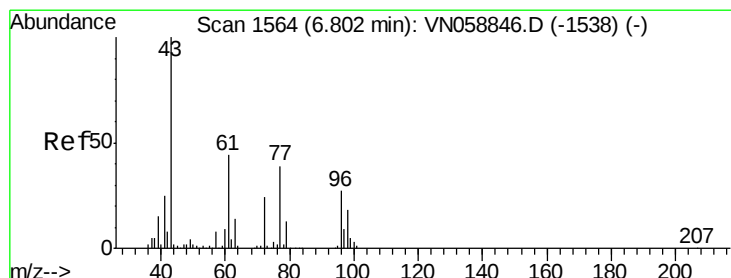
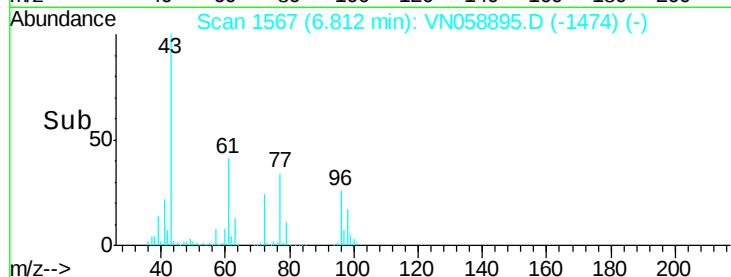
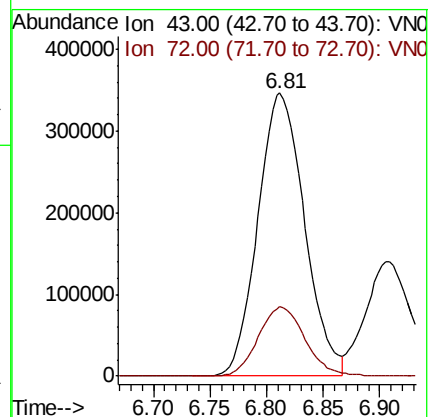
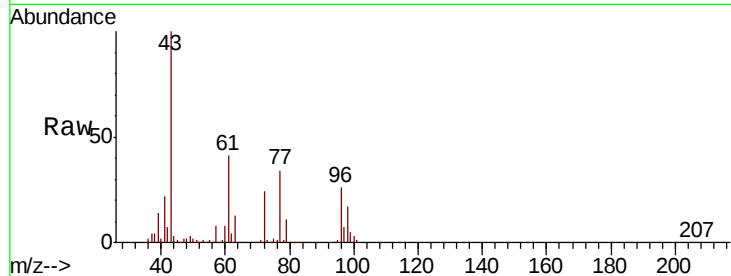
72 24.4 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.711 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058895.D

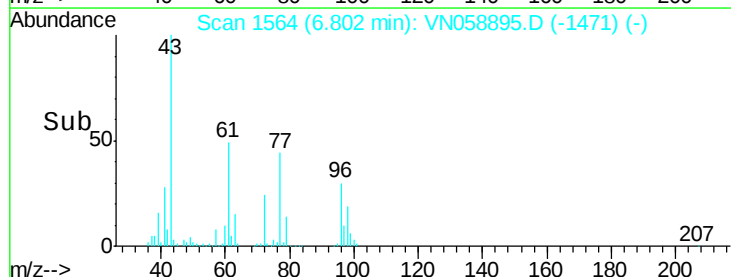
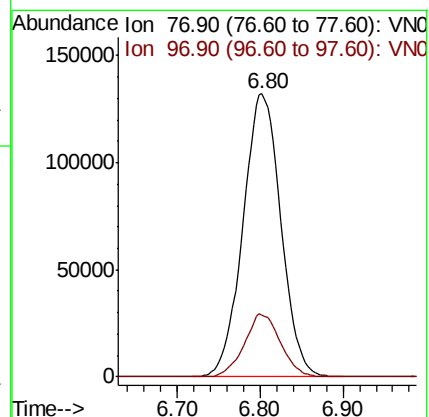
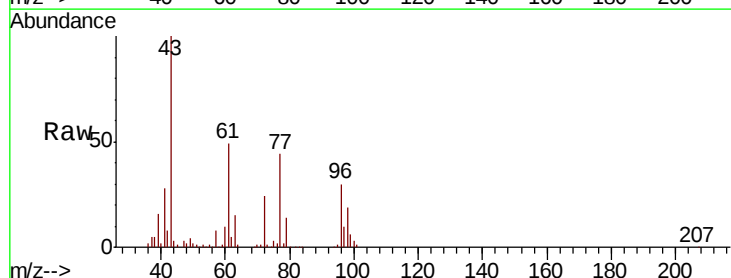
Acq: 21 Oct 2019 17:42

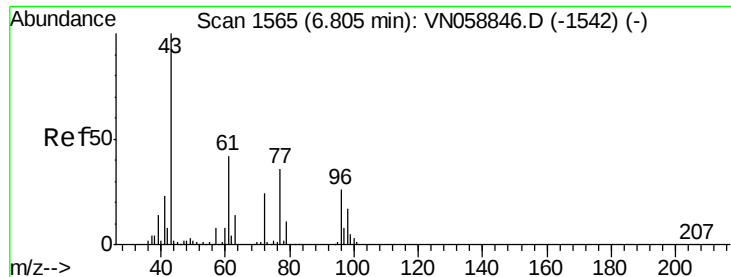
Tgt Ion: 77 Resp: 419810

Ion Ratio Lower Upper

77 100

97 21.3 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.303 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

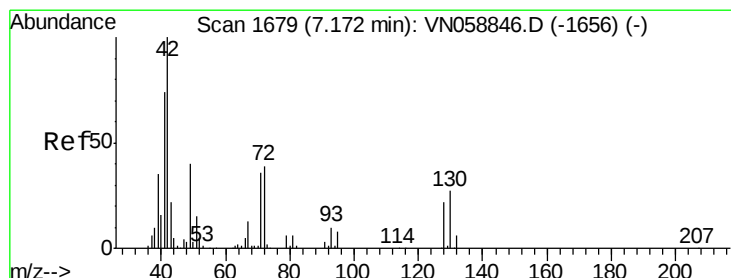
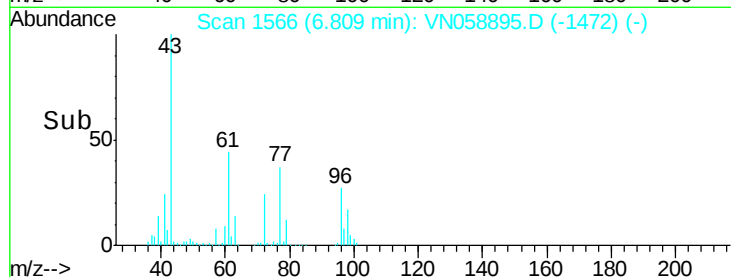
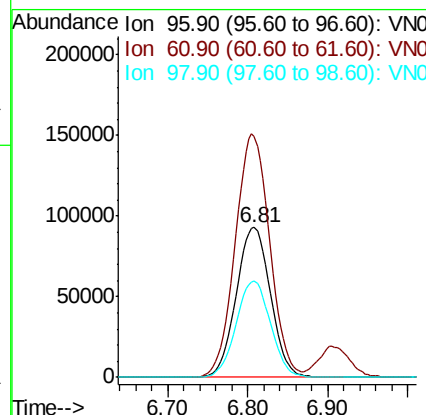
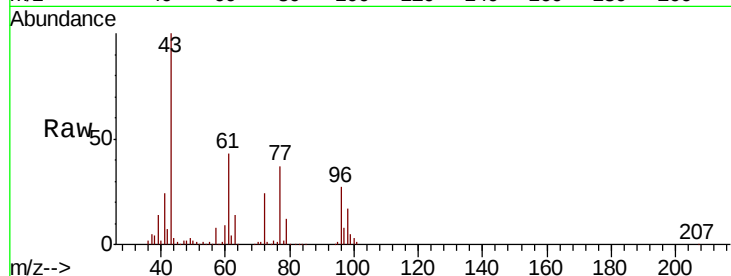
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	269971
Ion Ratio	Lower	Upper	
96	100		
61	163.0	0.0	325.0
98	64.6	0.0	128.0

Manual Integrations
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#28

Bromochloromethane

Concen: 49.558 ug/l

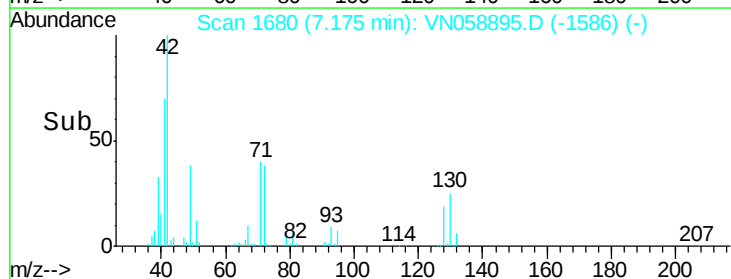
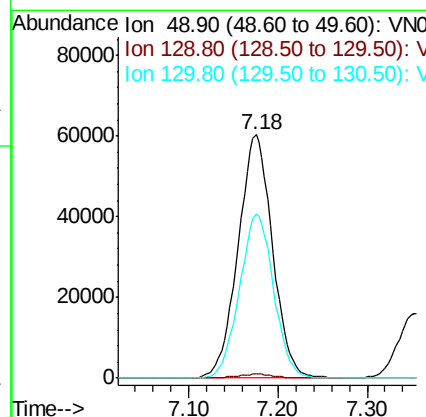
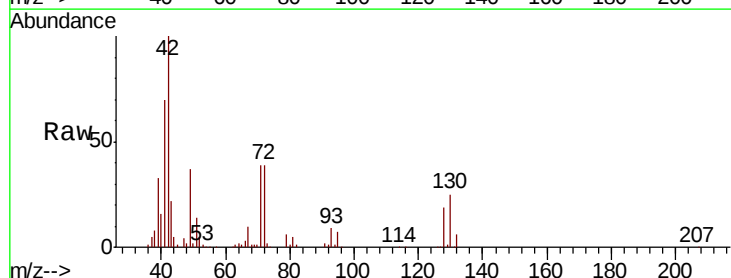
RT: 7.18 min Scan# 1680

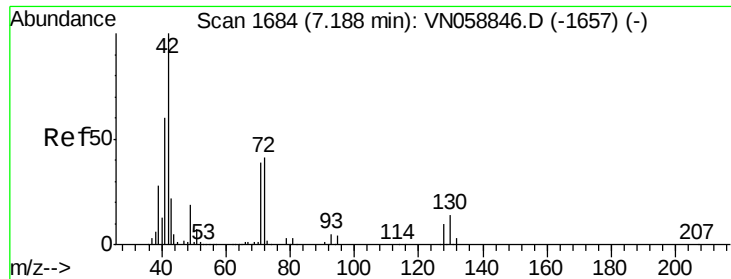
Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Tgt Ion:	49	Resp:	161142
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.2
130	66.7	53.5	80.3





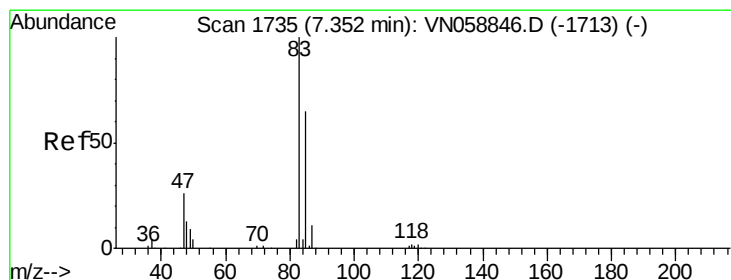
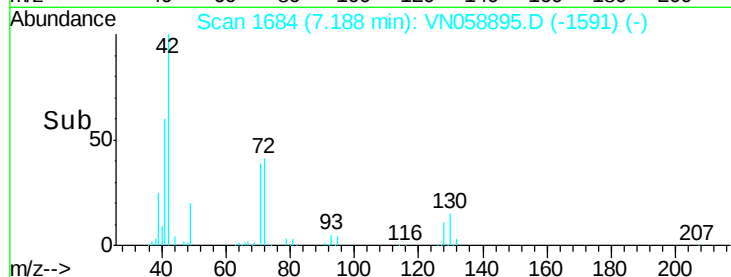
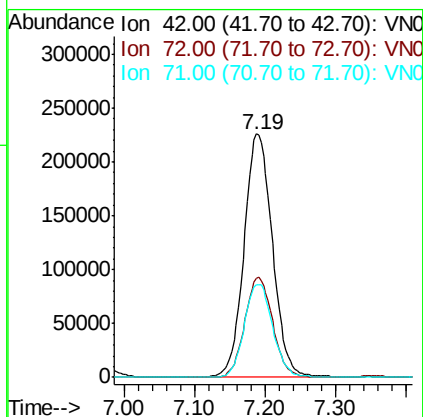
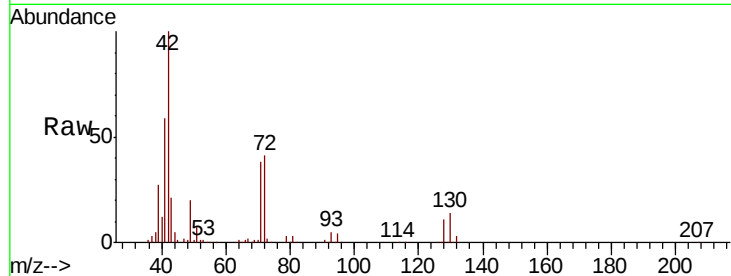
#29
Tetrahydrofuran
Concen: 253.979 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

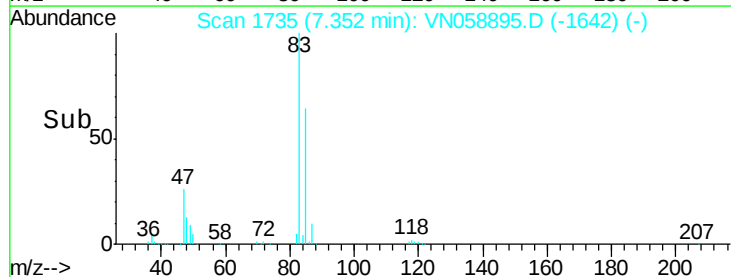
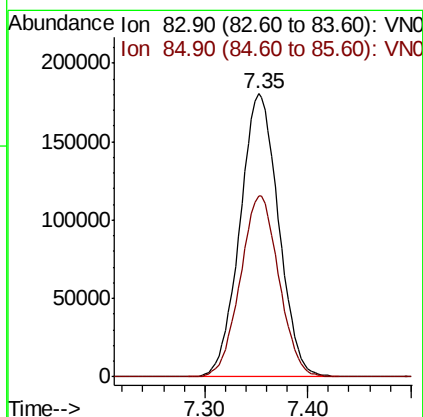
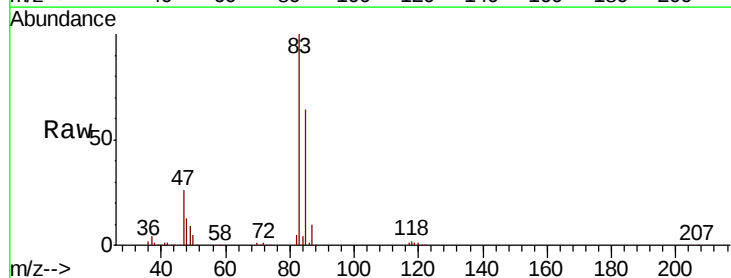
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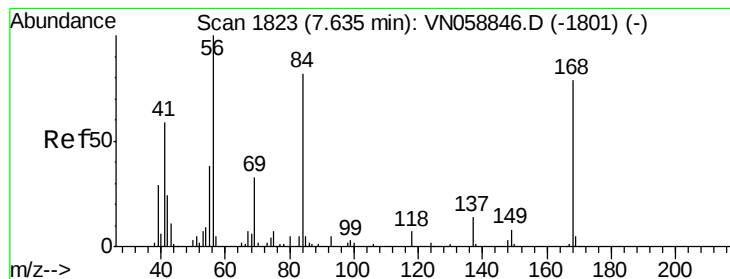
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#30
Chloroform
Concen: 47.878 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.9	77.9





#31

Cyclohexane

Concen: 48.118 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 437663

Ion Ratio Lower Upper

56 100

69 32.4 26.2 39.4

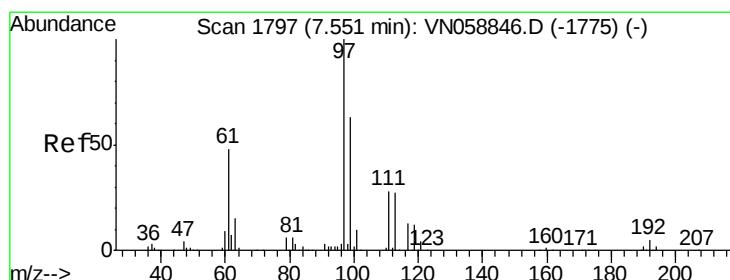
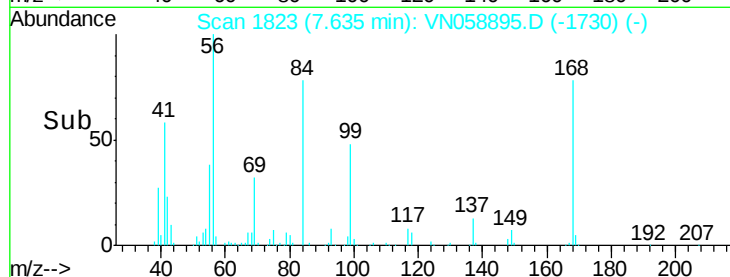
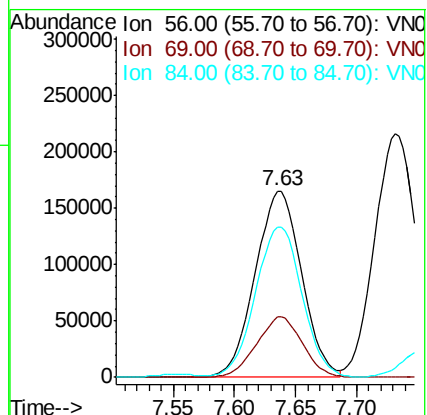
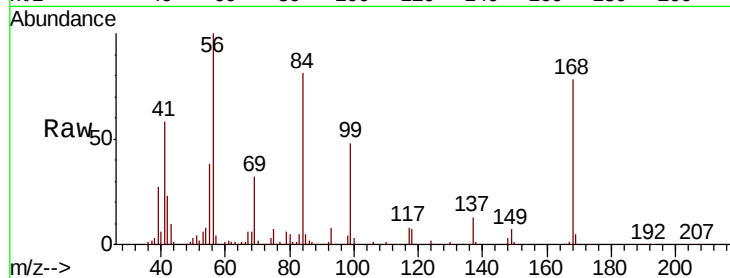
84 79.5 65.6 98.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 50.043 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

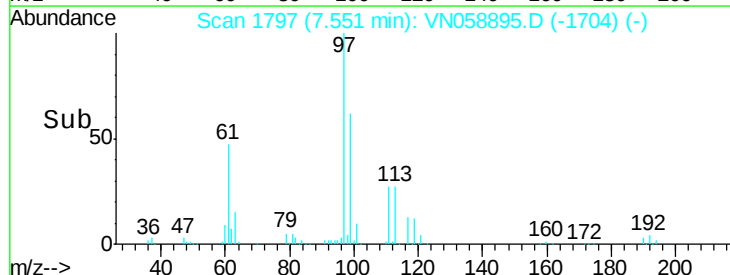
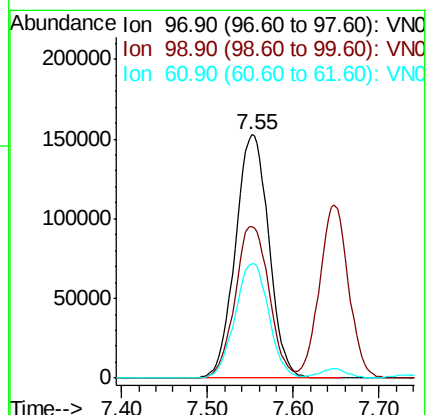
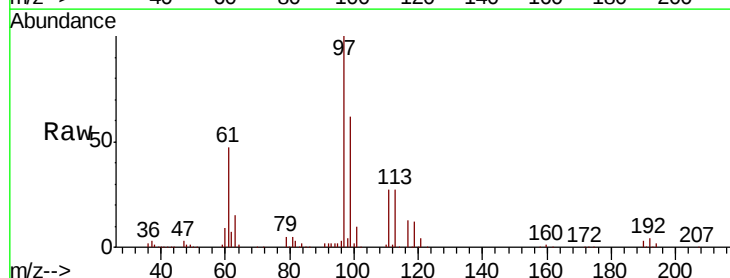
Tgt Ion: 97 Resp: 413109

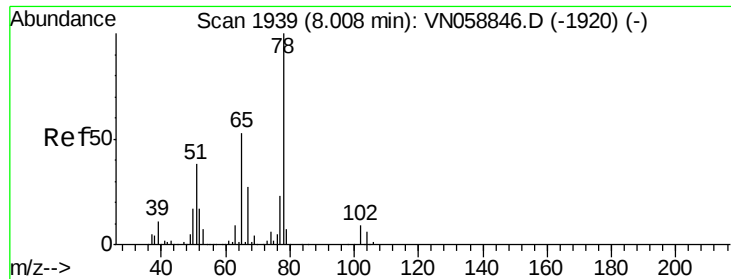
Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.4

61 47.4 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 48.643 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 307873

Ion Ratio Lower Upper

65 100

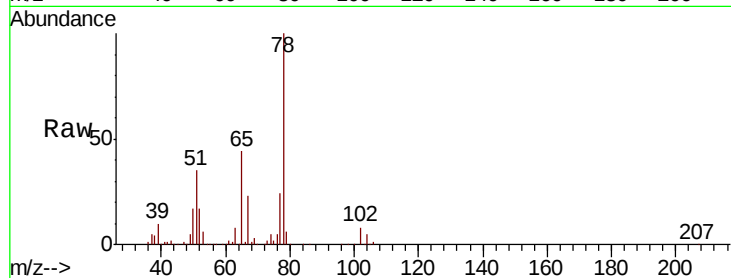
67 52.6 0.0 103.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

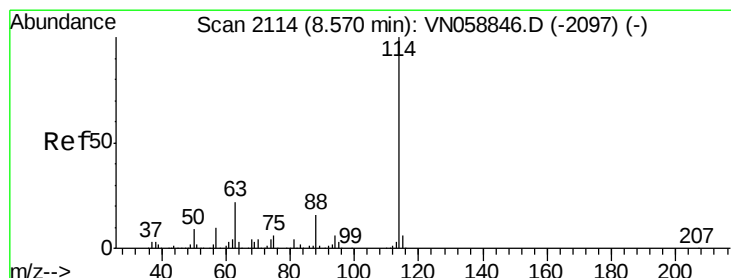
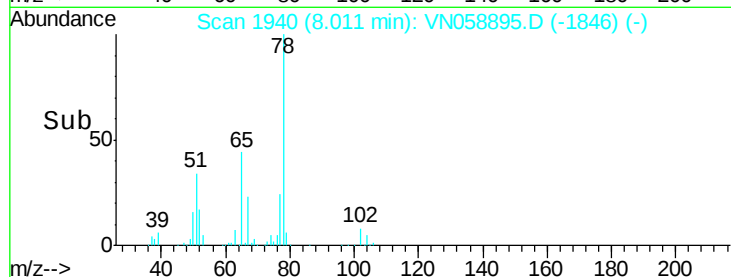
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

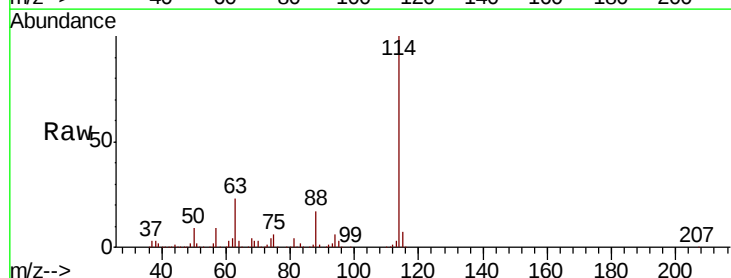
Tgt Ion: 114 Resp: 690667

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.4

88 16.8 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

400000

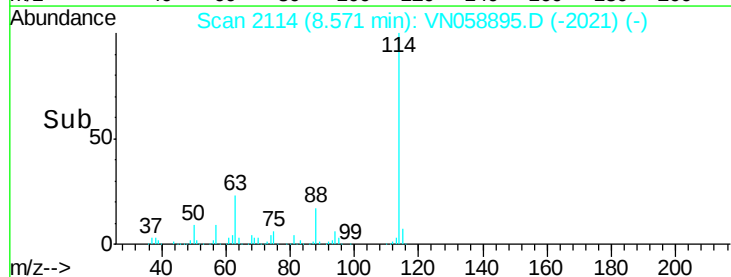
300000

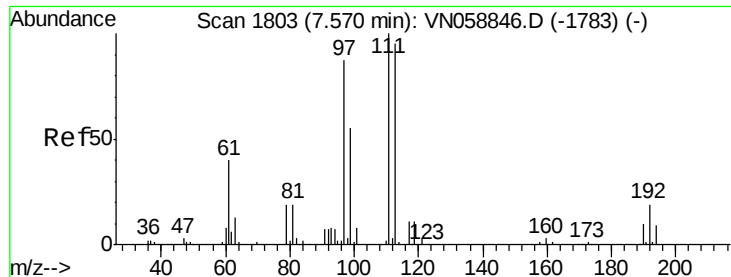
200000

100000

0

Time--> 8.50 8.60 8.70





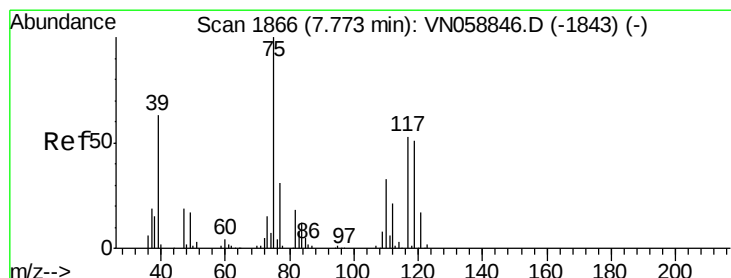
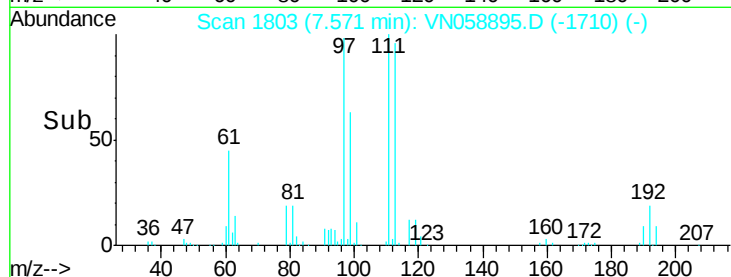
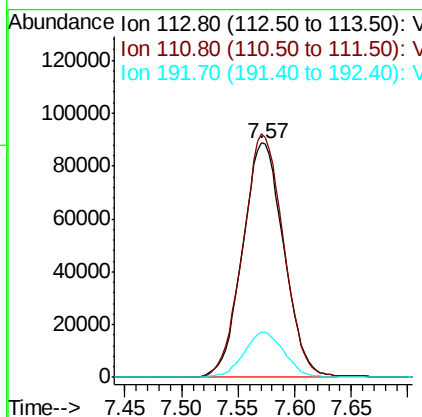
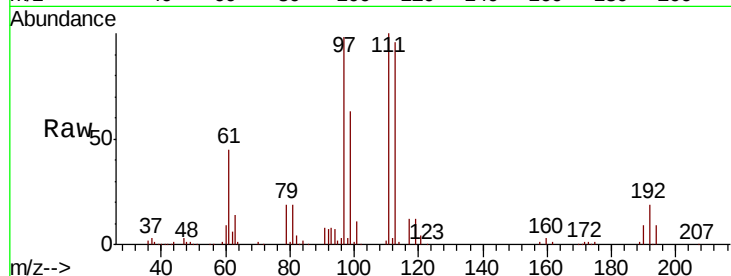
#35
Dibromofluoromethane
Concen: 49.587 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225174		
111	102.3	82.0	123.0	
192	18.8	15.0	22.6	

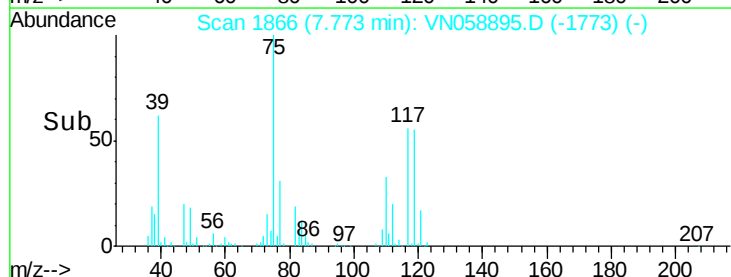
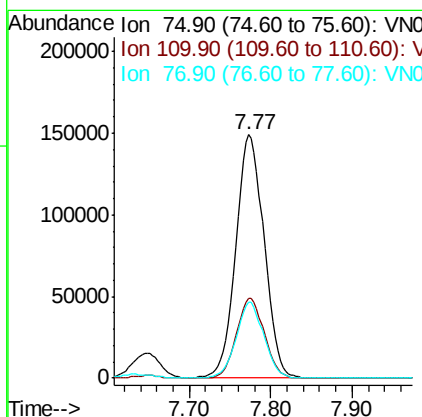
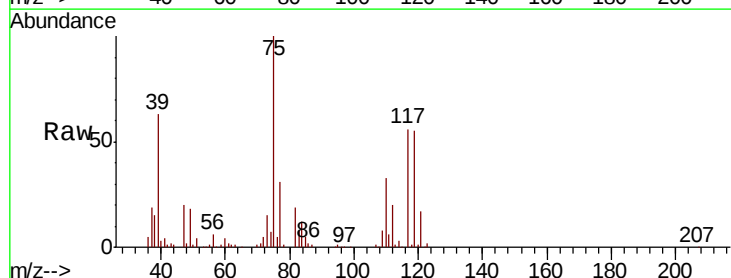
Manual Integrations
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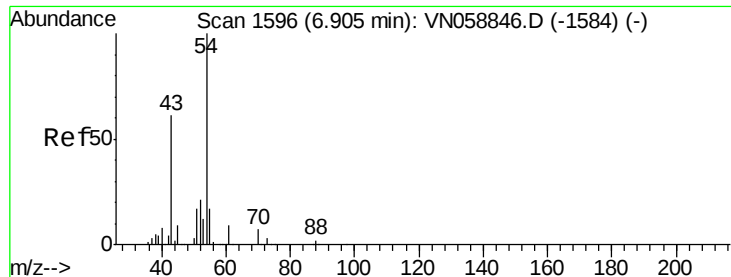
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#36
1,1-Dichloropropene
Concen: 50.721 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	358650		
110	32.3	16.3	48.9	
77	30.7	24.6	36.8	





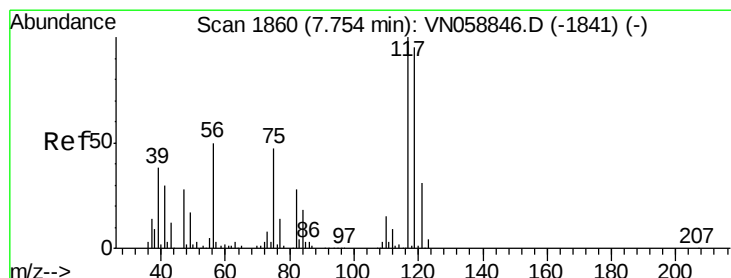
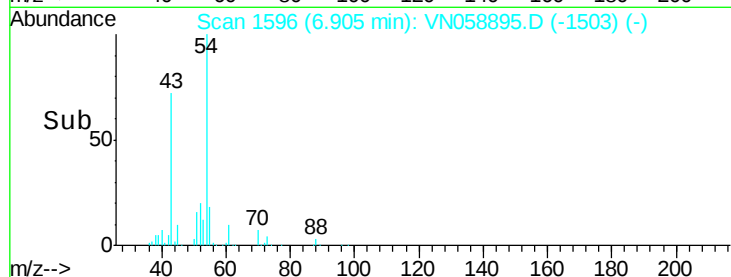
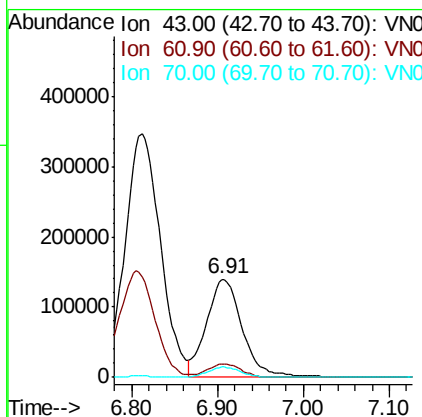
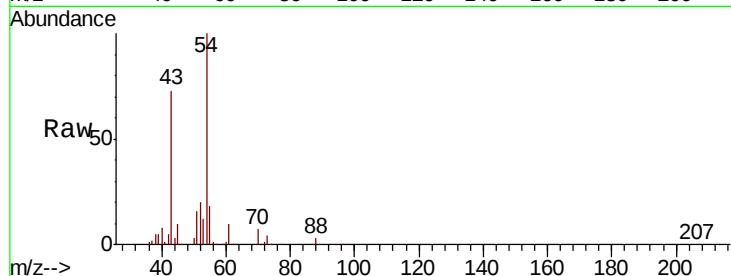
#37
Ethyl Acetate
Concen: 51.733 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.6	7.6	11.4

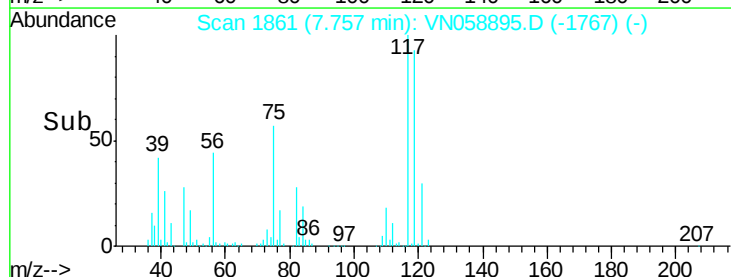
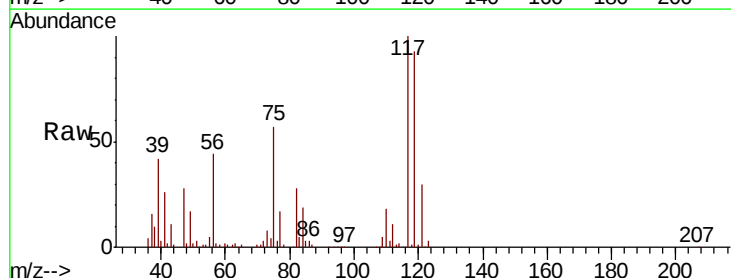
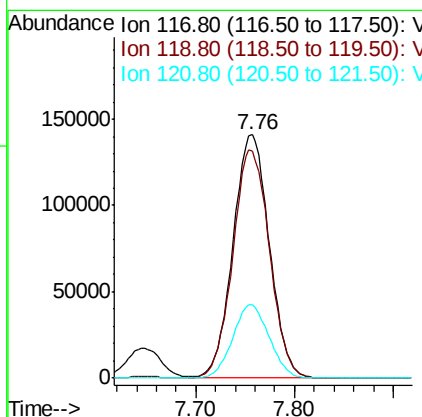
Manual Integrations
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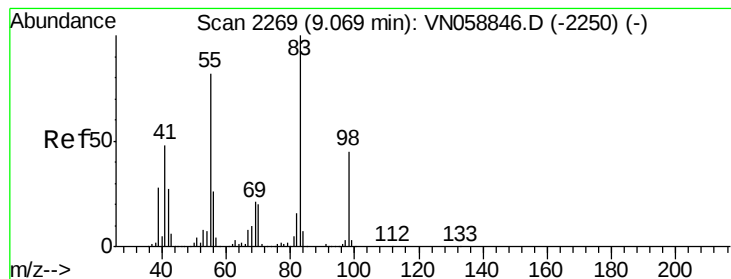
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#38
Carbon Tetrachloride
Concen: 49.589 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.7	113.5
121	30.3	25.0	37.6





#39

Methvlcvclohexane

Concen: 51.981 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

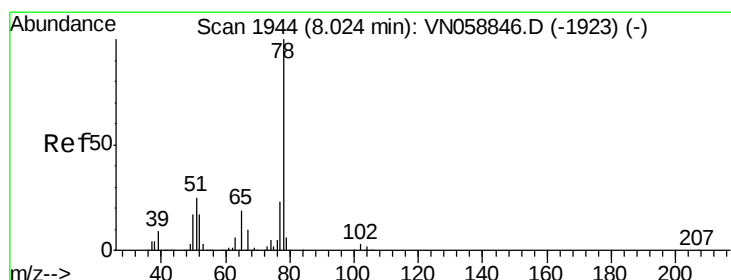
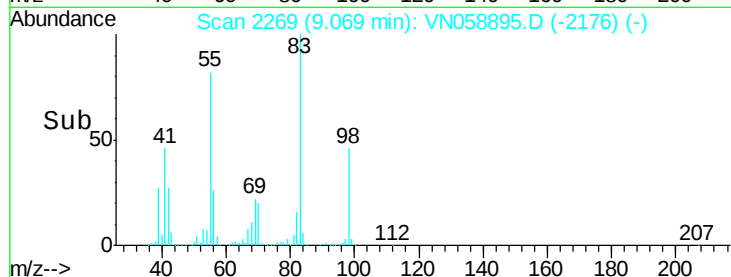
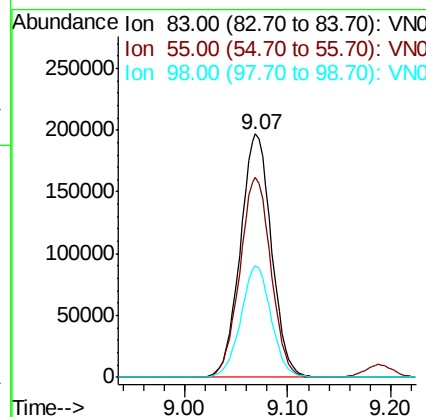
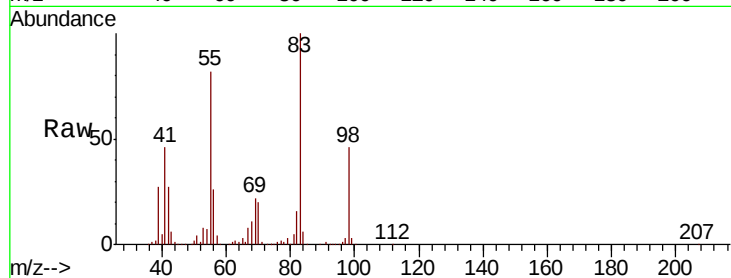
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	412715
Ion	Ratio	Lower	Upper
83	100		
55	82.0	65.5	98.3
98	46.1	35.7	53.5

Manual Integrations
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#40

Benzene

Concen: 50.396 ug/l

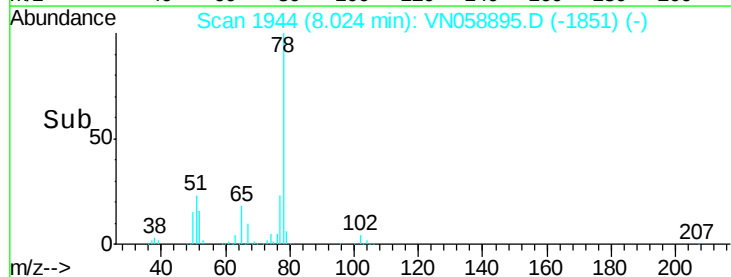
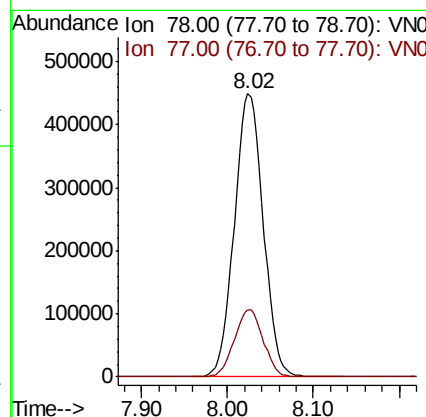
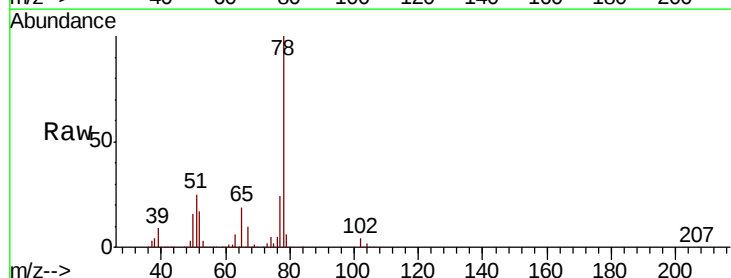
RT: 8.02 min Scan# 1944

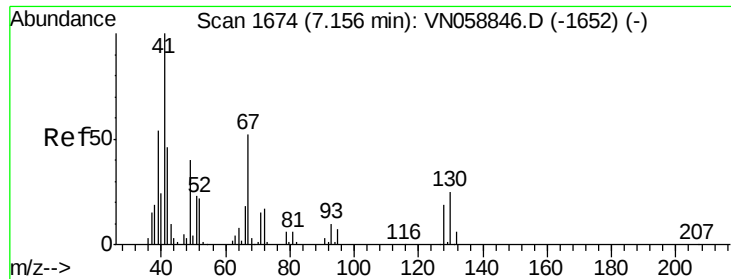
Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Tgt Ion:	78	Resp:	1046421
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.2





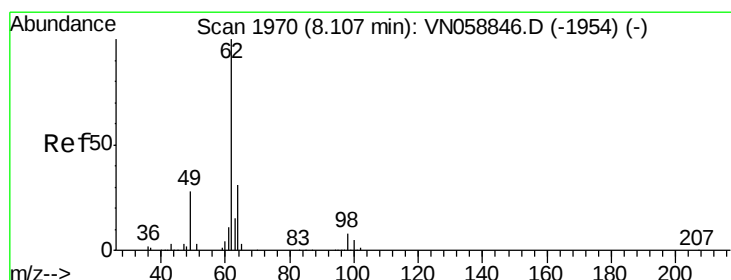
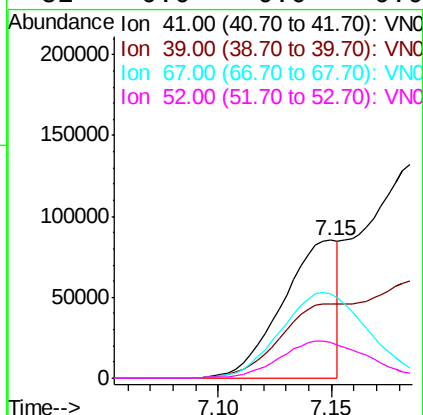
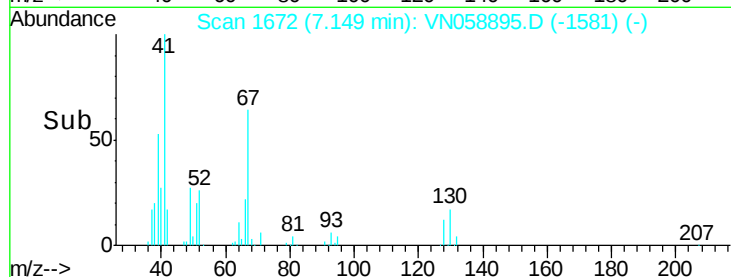
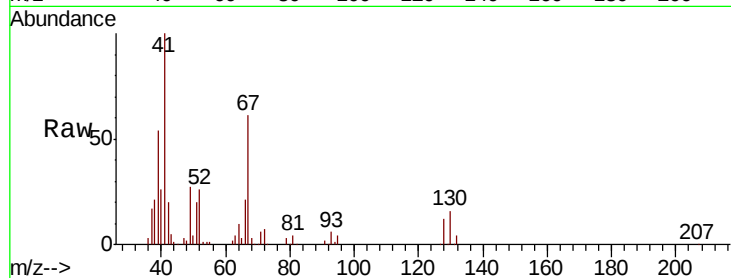
#41
Methacrylonitrile
Concen: 42.669 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	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		

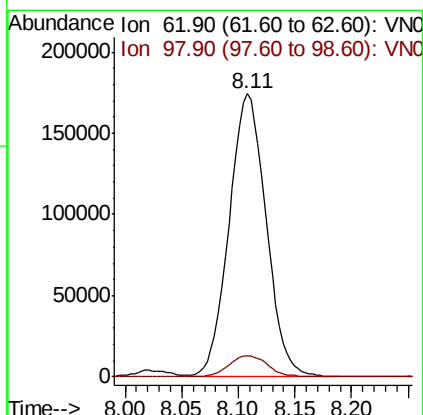
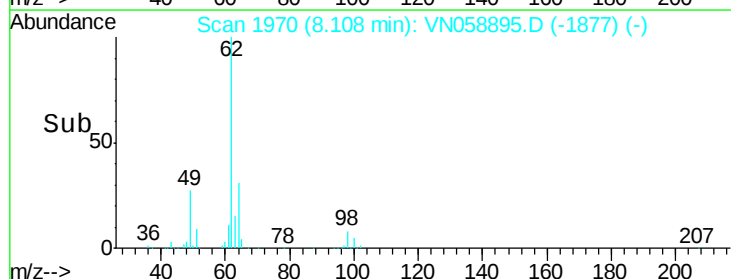
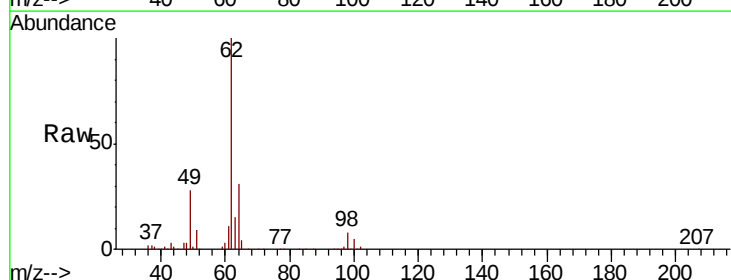
Manual Integrations
APPROVED

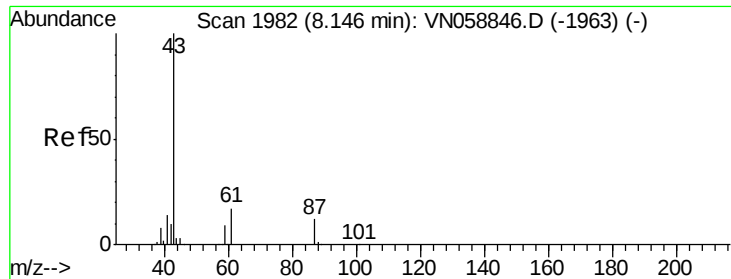
MMDadoda
10/22/2019 4:55:51 PM



#42
1,2-Dichloroethane
Concen: 49.550 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

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





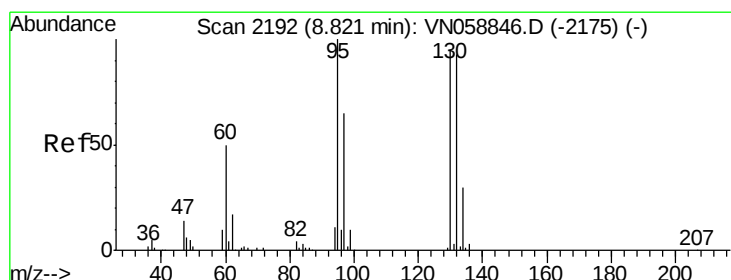
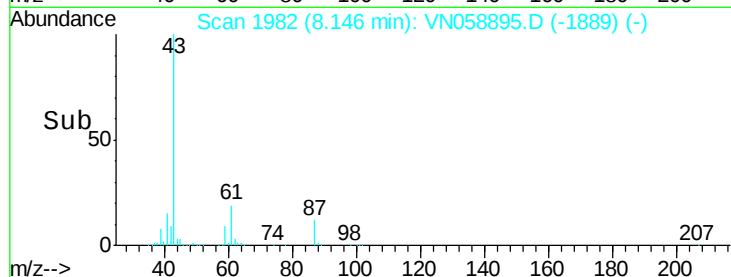
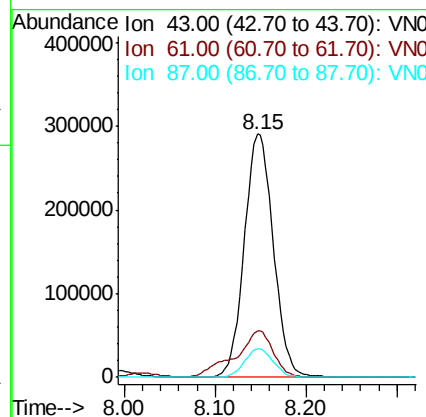
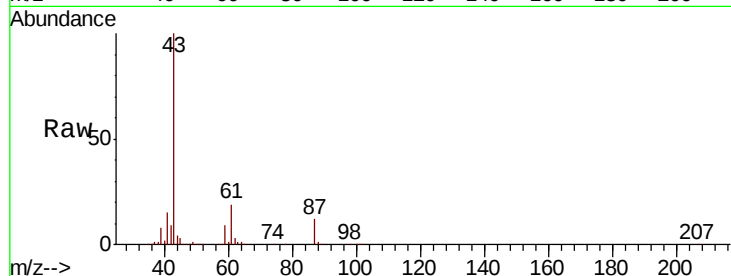
#43
Isopropyl Acetate
Concen: 51.905 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.2	30.2
87	11.6	9.5	14.3

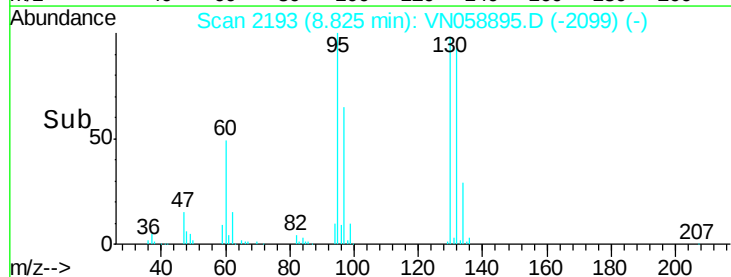
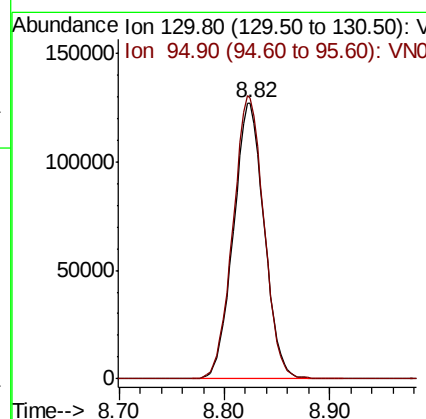
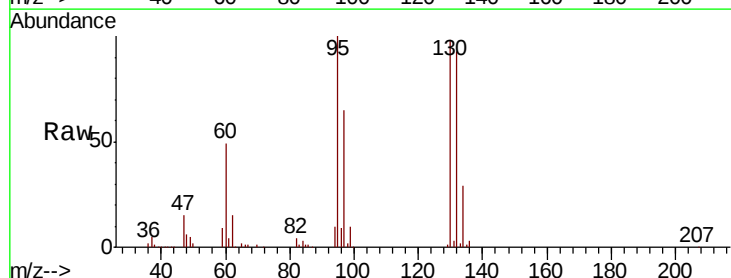
Manual Integrations
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#44
Trichloroethene
Concen: 50.615 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	209.6





#45

1,2-Dichloropropane

Concen: 50.815 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 289326

Ion Ratio Lower Upper

63 100

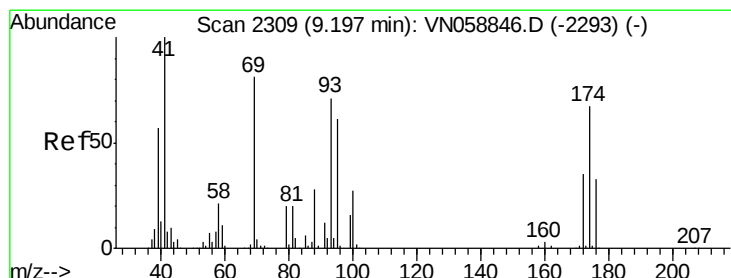
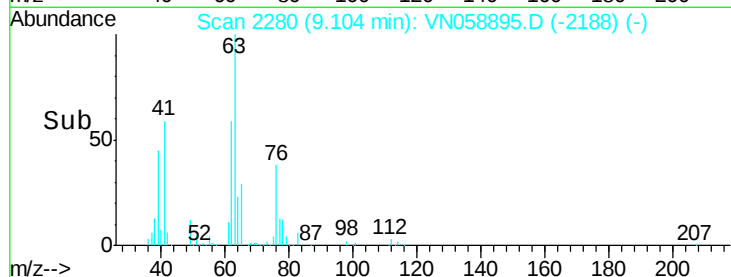
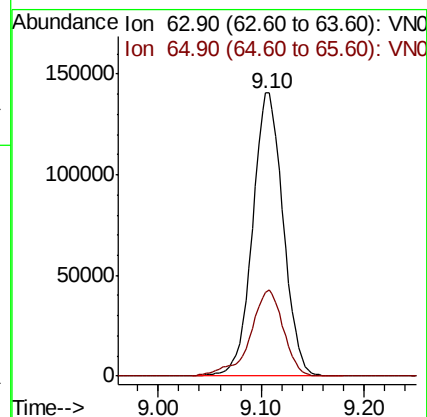
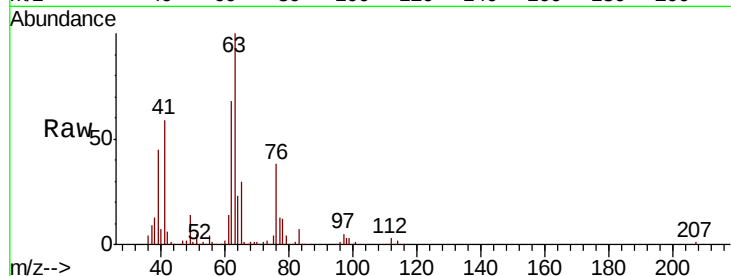
65 29.7 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 49.513 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

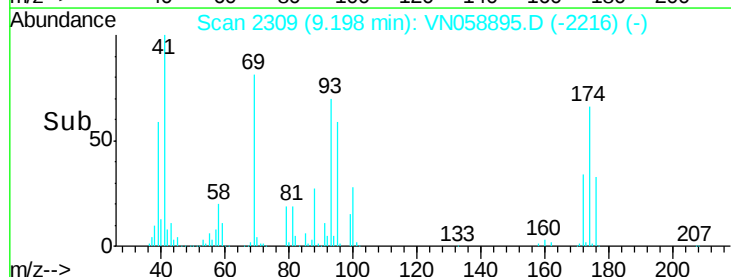
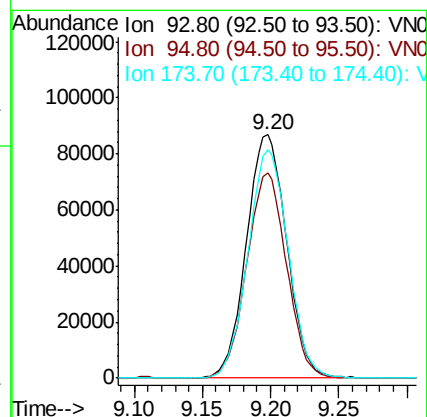
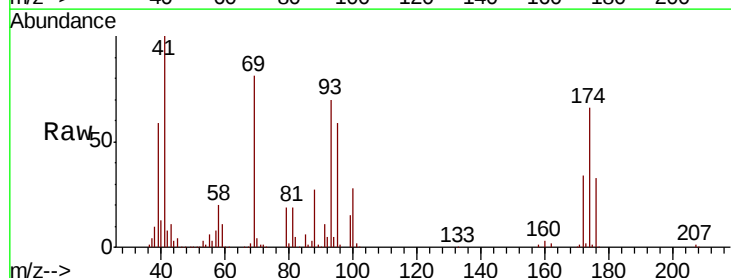
Tgt Ion: 93 Resp: 178220

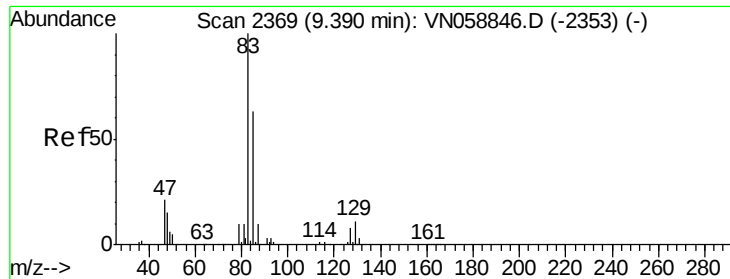
Ion Ratio Lower Upper

93 100

95 83.3 67.6 101.4

174 93.5 74.1 111.1





#47

Bromodichloromethane

Concen: 50.612 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

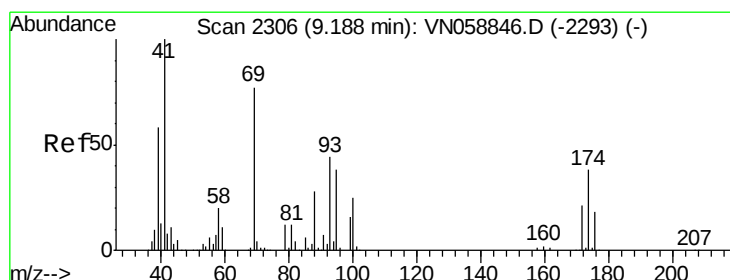
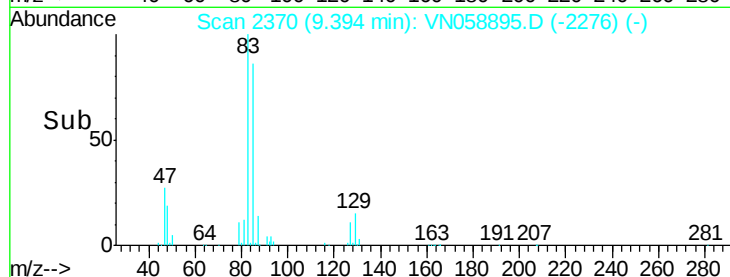
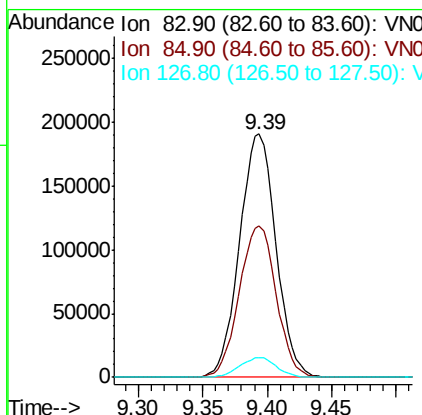
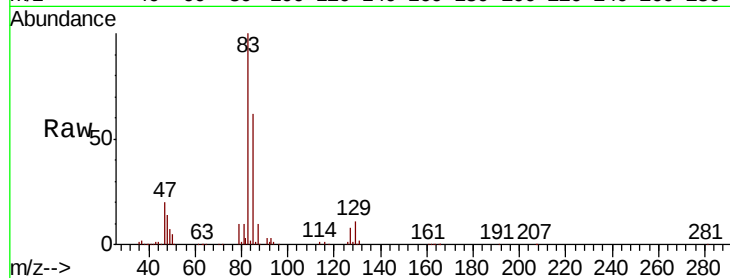
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	375477
Ion Ratio	Lower	Upper	
83	100		
85	62.0	50.6	75.8
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.694 ug/l

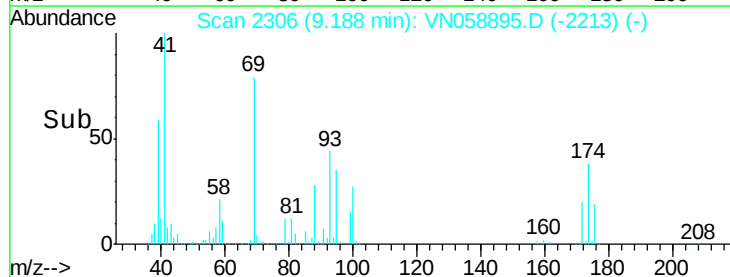
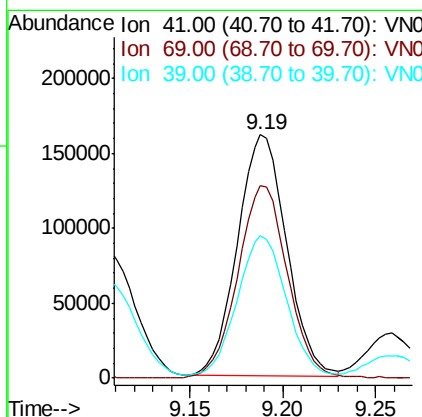
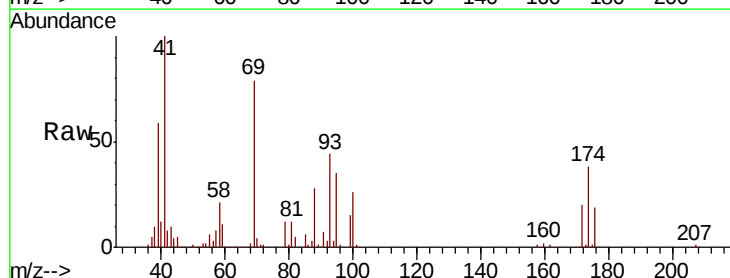
RT: 9.19 min Scan# 2306

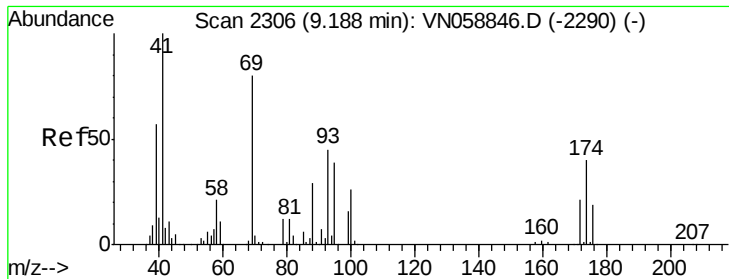
Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Tgt Ion:	41	Resp:	295414
Ion Ratio	Lower	Upper	
41	100		
69	81.1	63.8	95.6
39	59.7	47.8	71.8





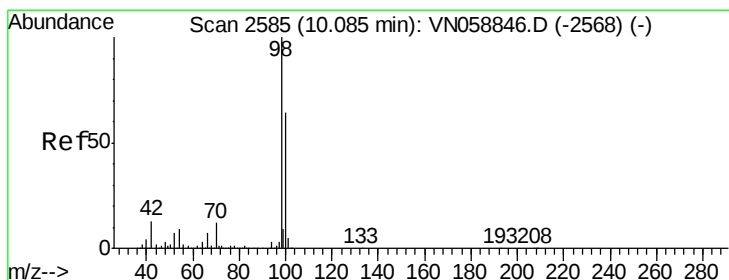
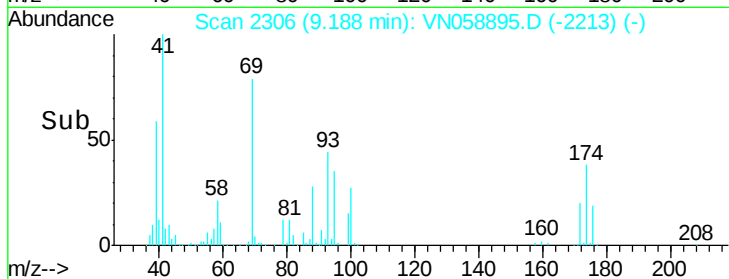
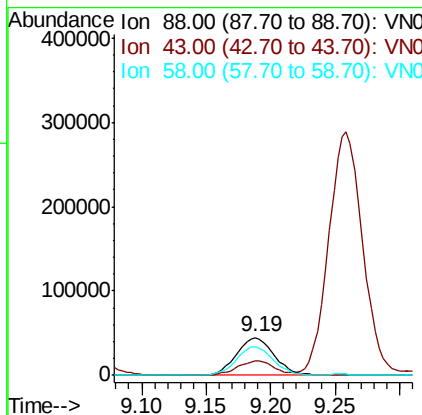
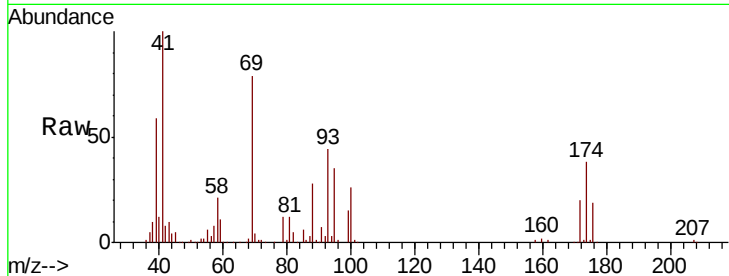
#49
1,4-Dioxane
Concen: 989.348 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.1	43.7
58	74.2	59.4	89.0

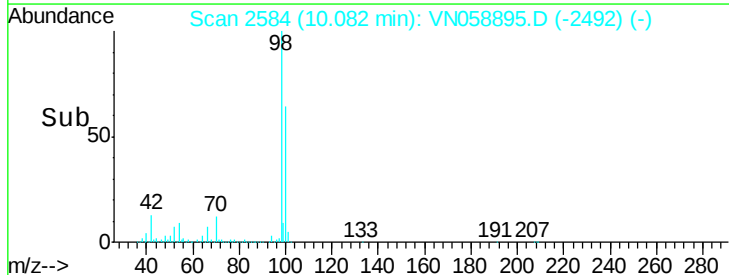
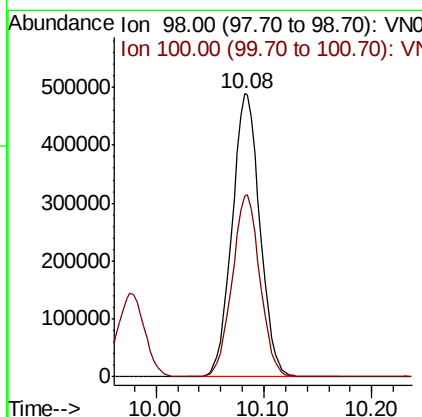
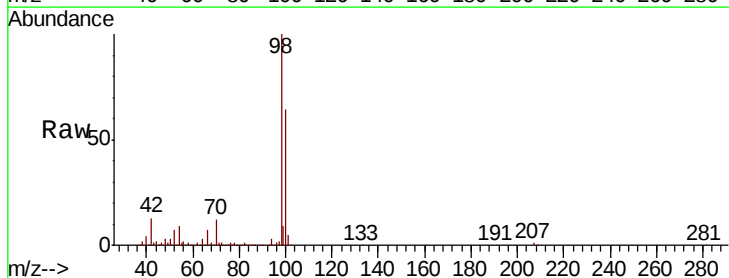
Manual Integrations
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#50
Toluene-d8
Concen: 49.861 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 274.209 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1979082

Ion Ratio Lower Upper

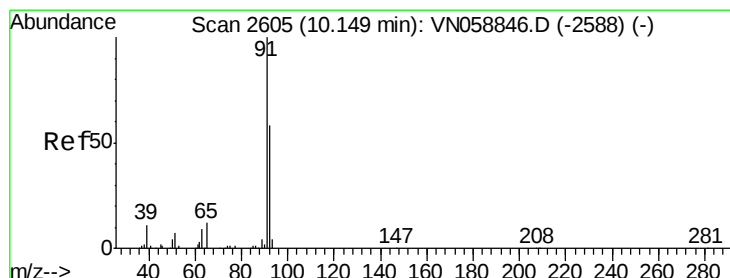
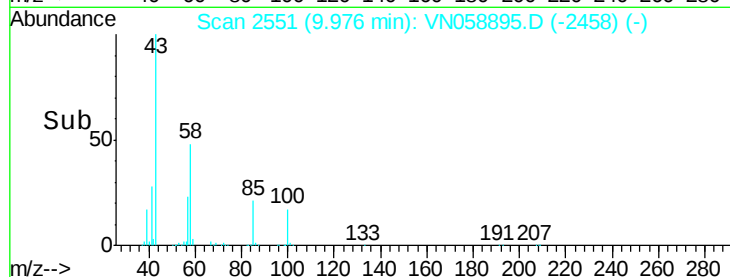
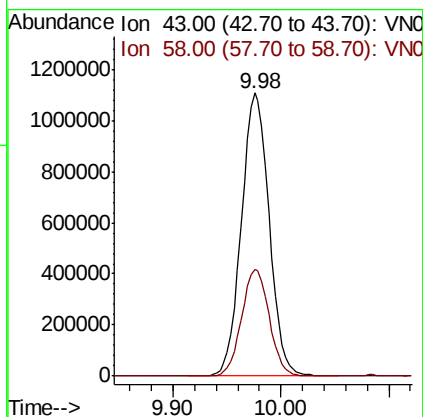
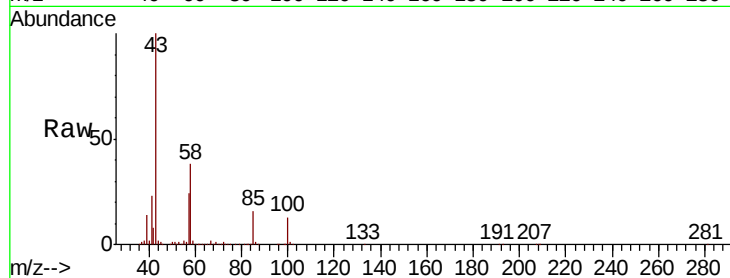
43 100

58 37.7 29.9 44.9

Manual Integrations
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#52

Toluene

Concen: 52.653 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058895.D

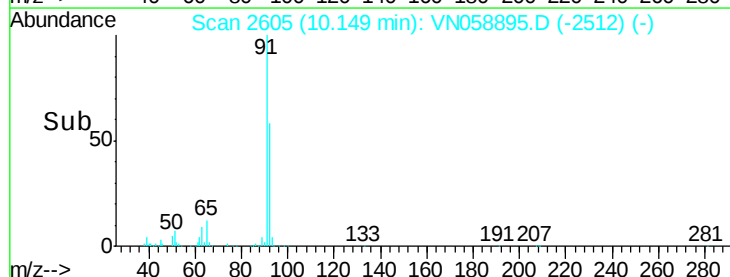
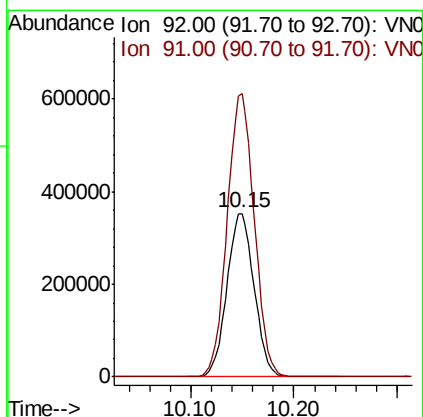
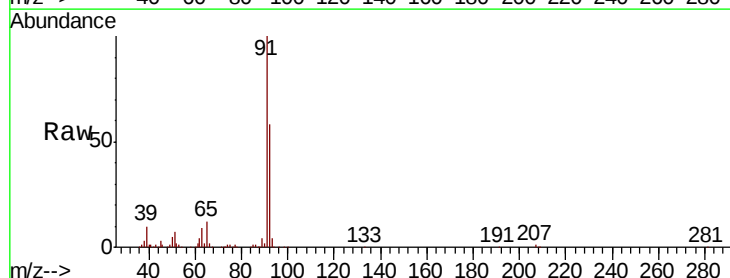
Acq: 21 Oct 2019 17:42

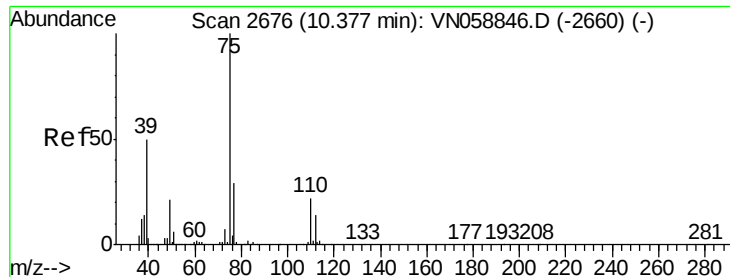
Tgt Ion: 92 Resp: 648335

Ion Ratio Lower Upper

92 100

91 173.2 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 52.069 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 427621

Ion Ratio Lower Upper

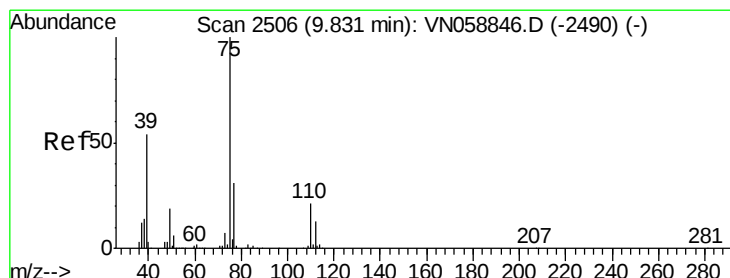
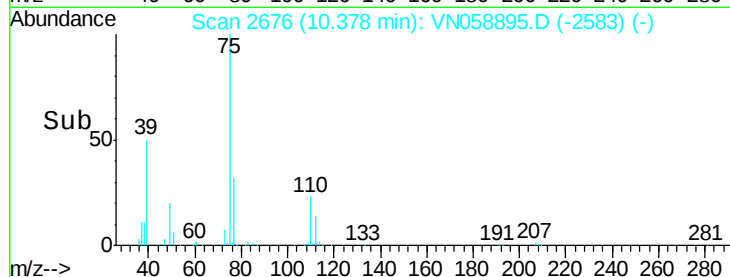
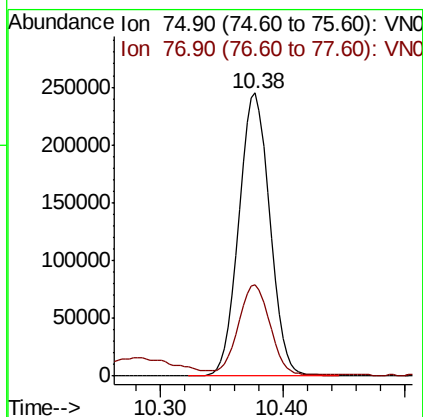
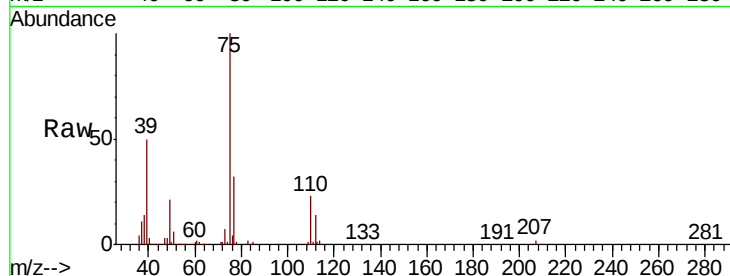
75 100

77 31.9 25.7 38.5

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 52.085 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

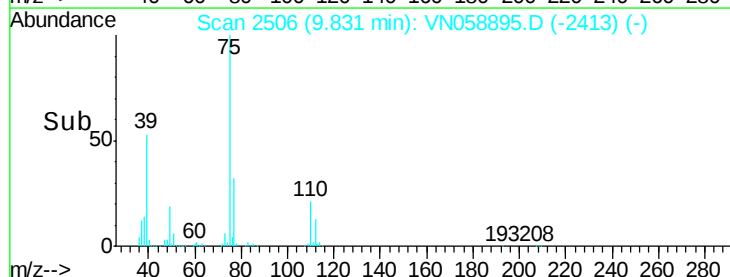
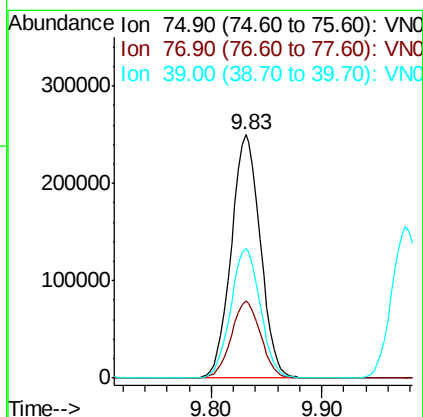
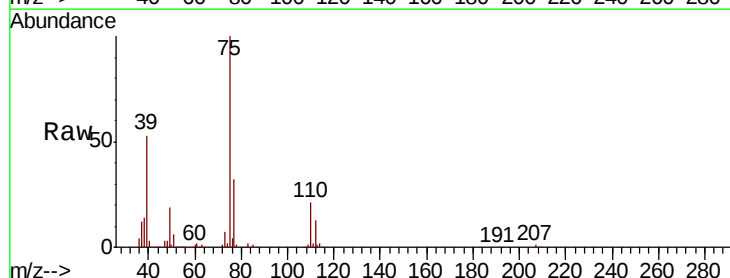
Tgt Ion: 75 Resp: 457002

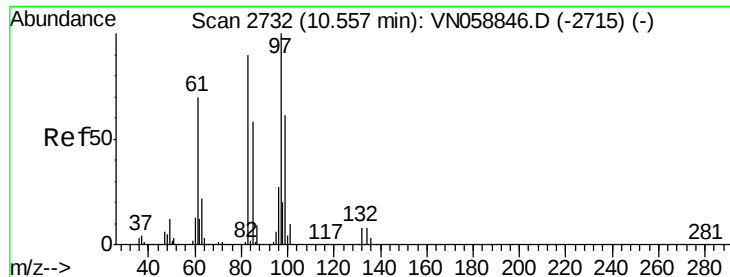
Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

39 53.4 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 49.856 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

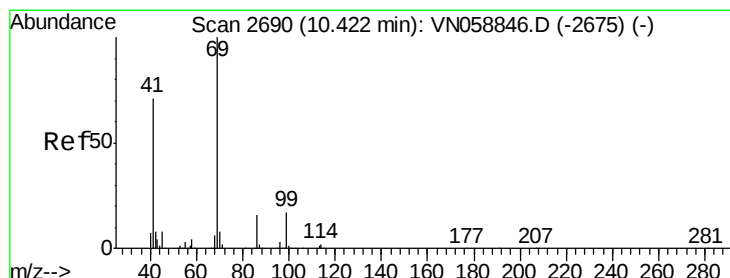
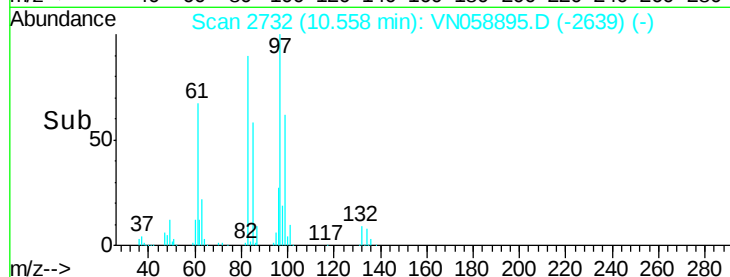
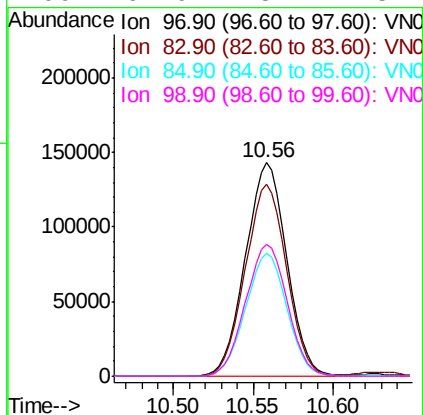
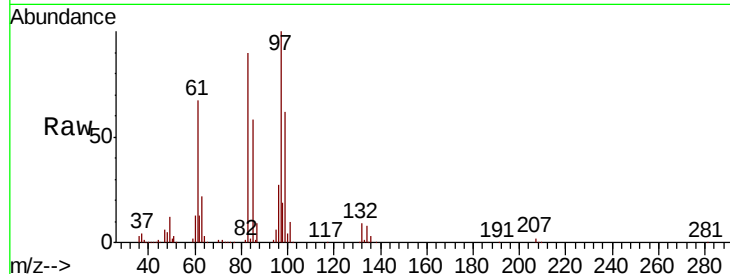
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	252892
Ion	Ratio	Lower	Upper
97	100		
83	89.8	72.2	108.4
85	57.8	46.2	69.2
99	61.9	48.7	73.1

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#56

Ethyl methacrylate

Concen: 48.231 ug/l

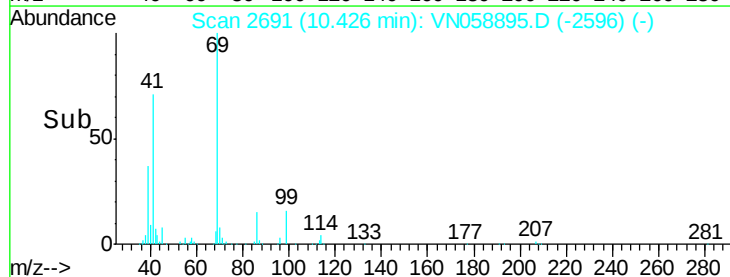
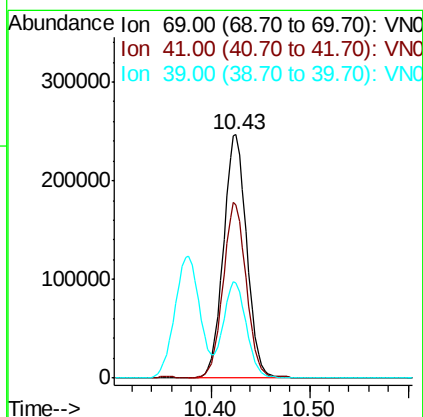
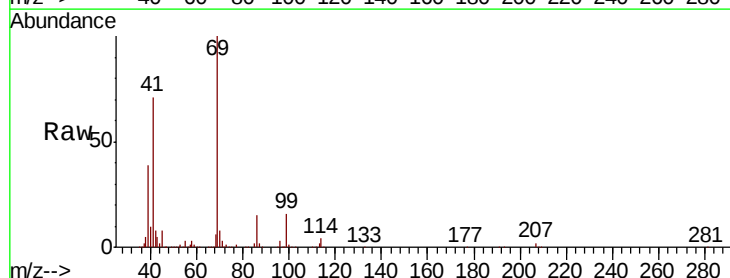
RT: 10.43 min Scan# 2691

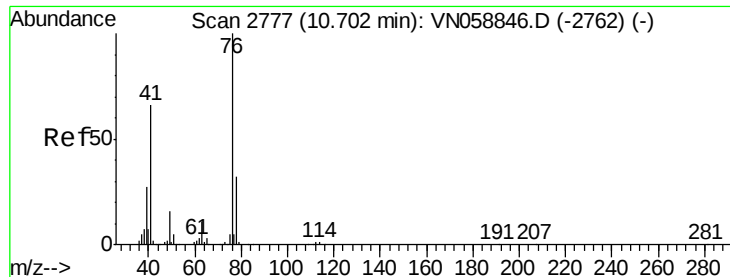
Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Tgt Ion:	69	Resp:	410301
Ion	Ratio	Lower	Upper
69	100		
41	70.9	57.2	85.8
39	39.8	31.0	46.4





#57

1,3-Dichloropropane

Concen: 50.786 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 452134

Ion Ratio Lower Upper

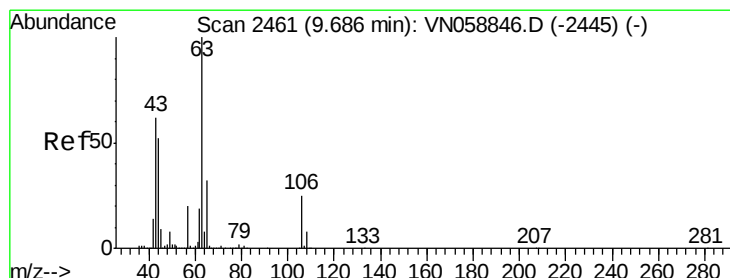
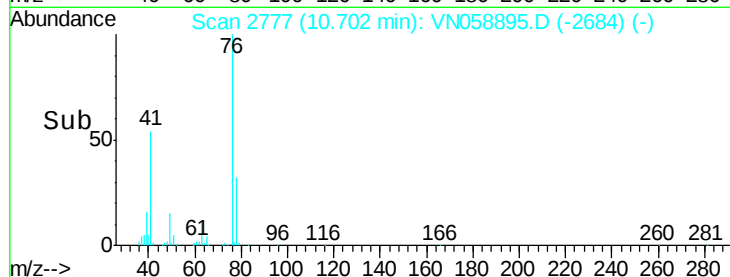
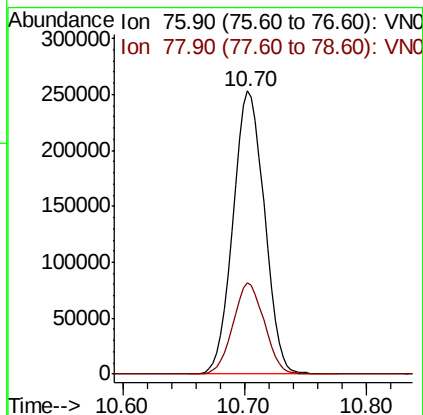
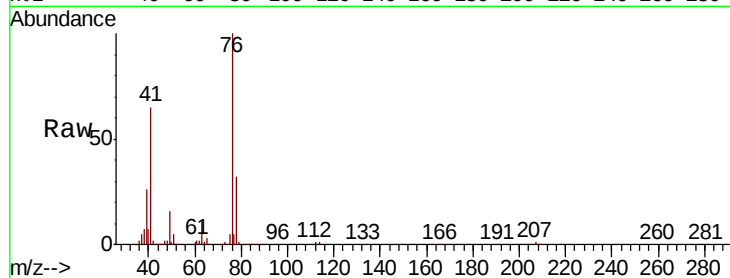
76 100

78 32.3 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 245.619 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058895.D

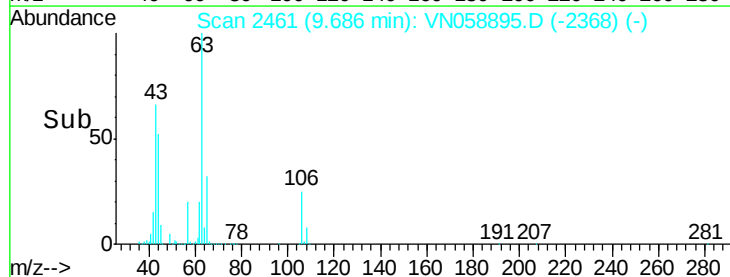
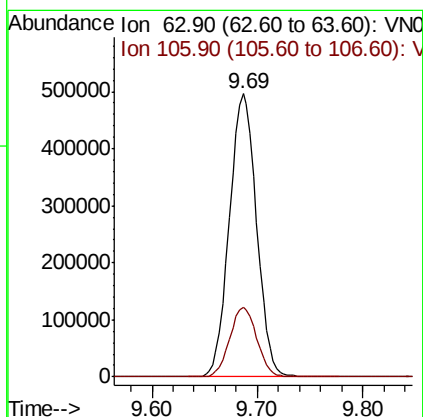
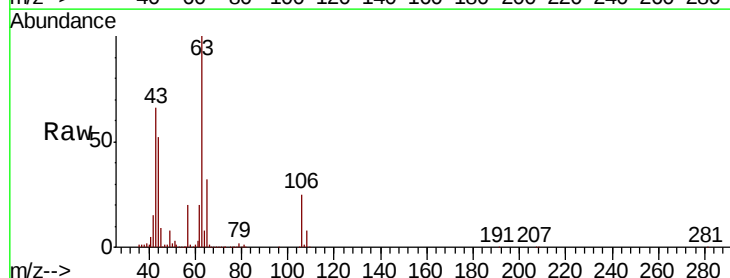
Acq: 21 Oct 2019 17:42

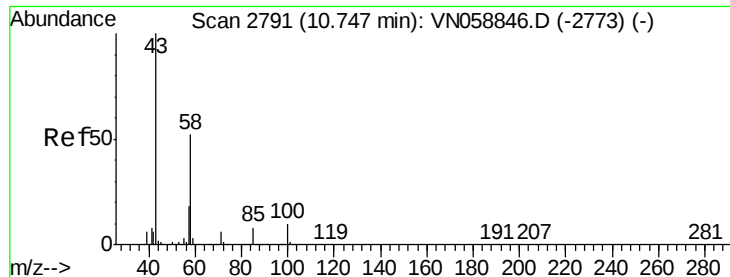
Tgt Ion: 63 Resp: 883385

Ion Ratio Lower Upper

63 100

106 24.6 19.8 29.8





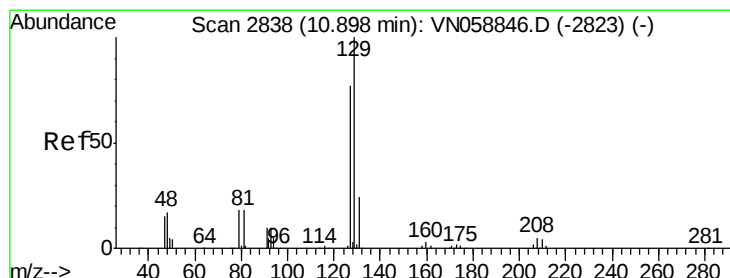
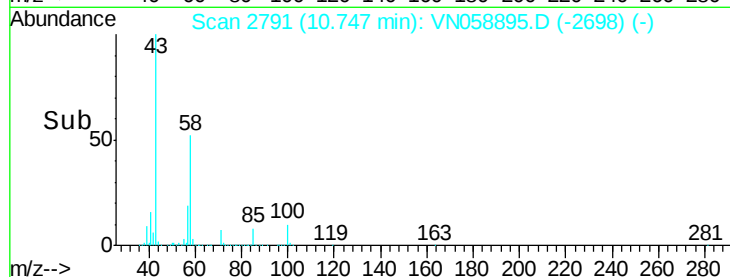
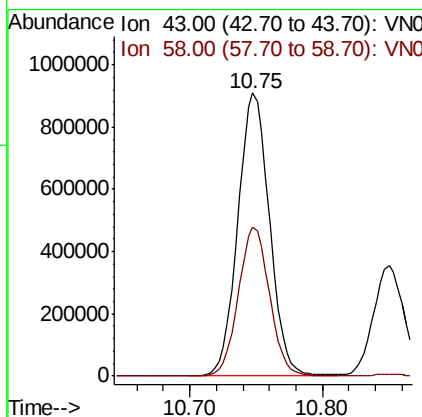
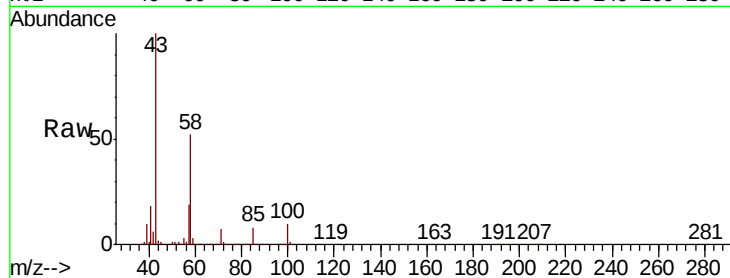
#59
2-Hexanone
Concen: 270.468 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1508439
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.7

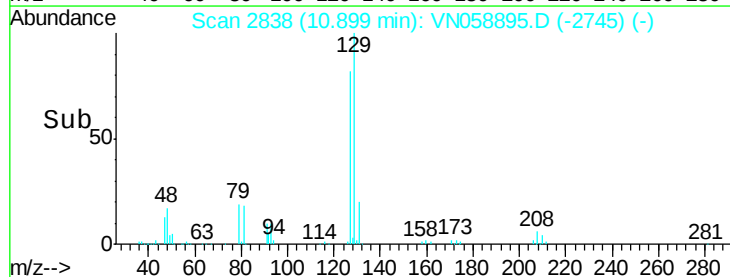
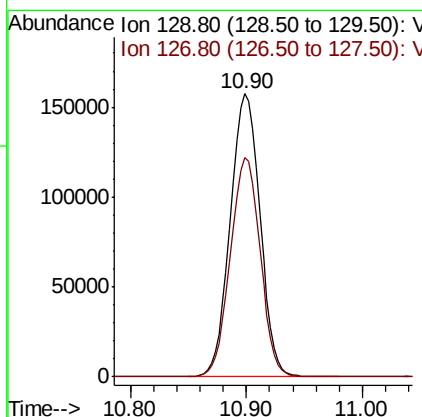
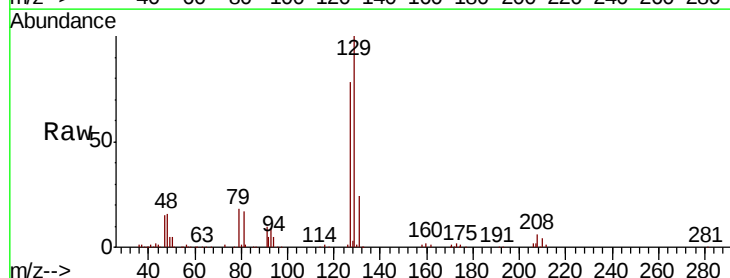
Manual Integrations
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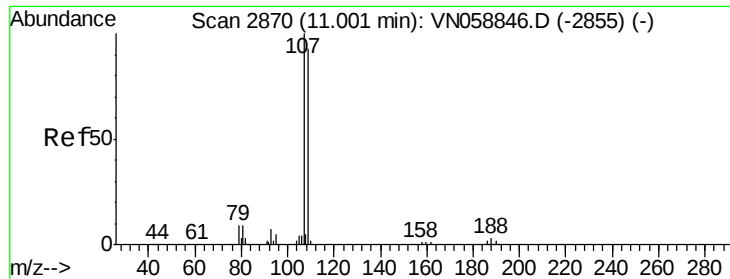
MMDadoda
10/22/2019 4:55:51 PM



#60
Dibromochloromethane
Concen: 51.185 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion: 129 Resp: 279459
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.3





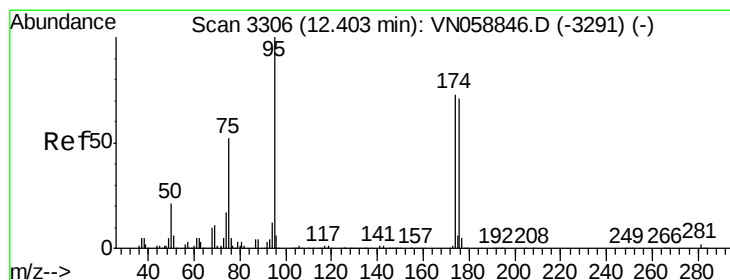
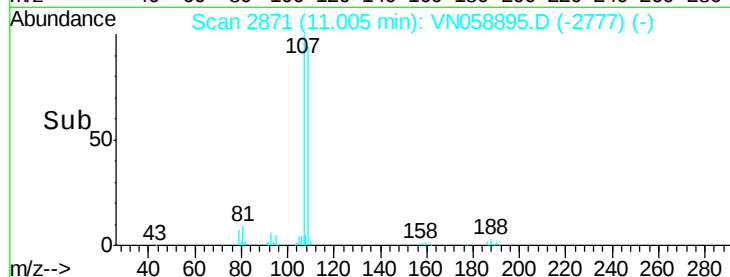
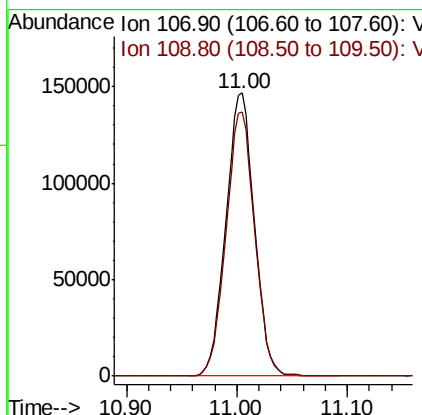
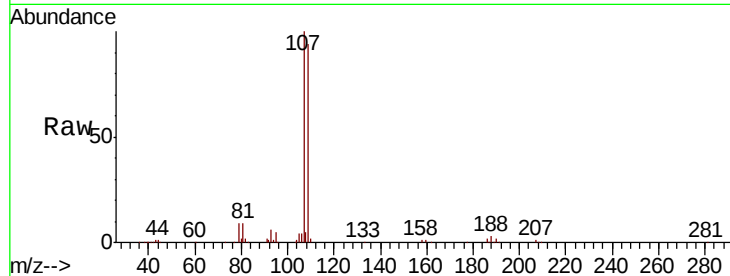
#61
 1,2-Dibromoethane
 Concen: 50.551 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.2	112.8

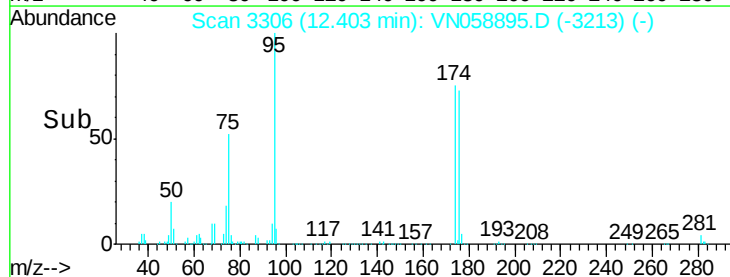
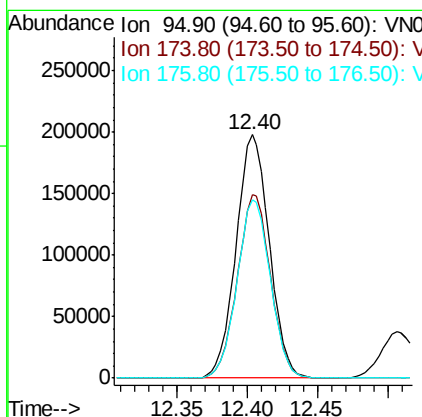
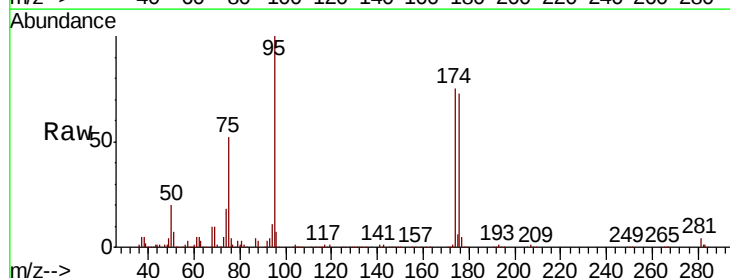
Manual Integrations
 APPROVED

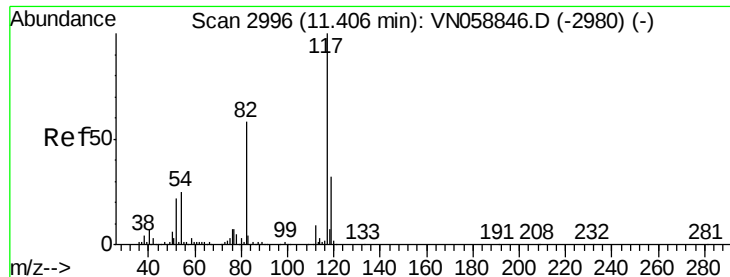
MMDadoda
 10/22/2019 4:55:51 PM



#62
 4-Bromofluorobenzene
 Concen: 50.561 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	147.6
176	73.6	0.0	143.2





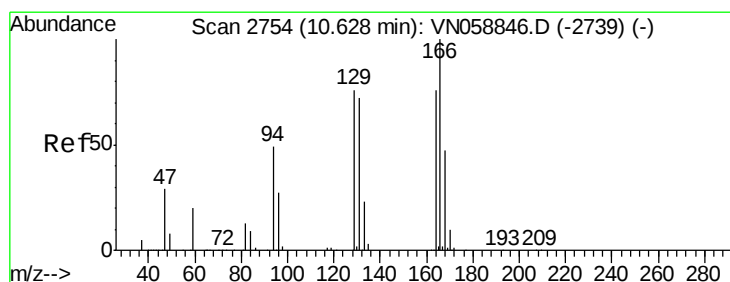
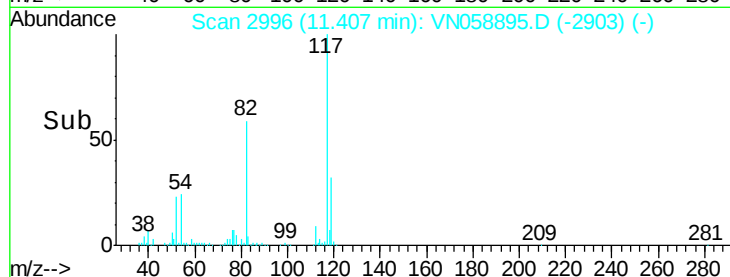
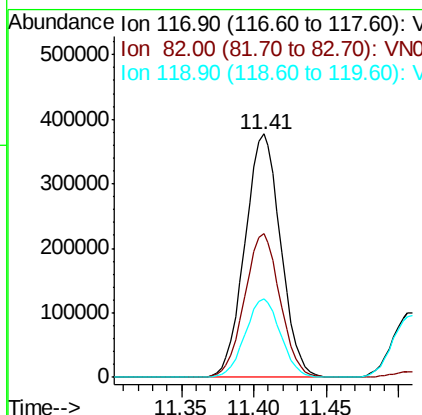
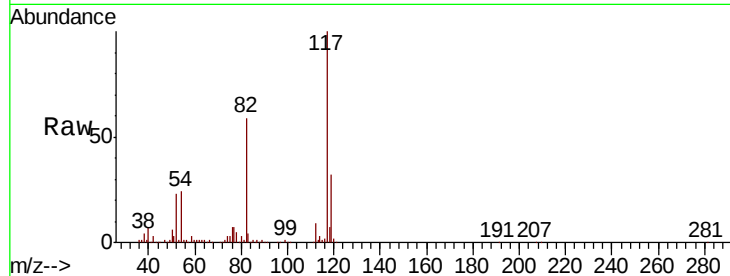
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.6	69.8
119	32.1	25.6	38.4

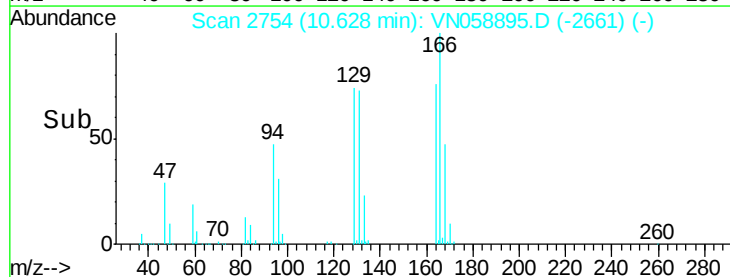
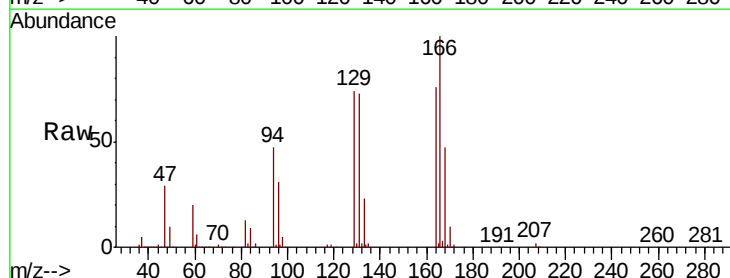
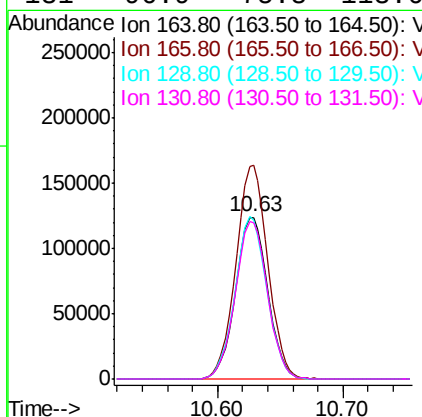
Manual Integrations
APPROVED

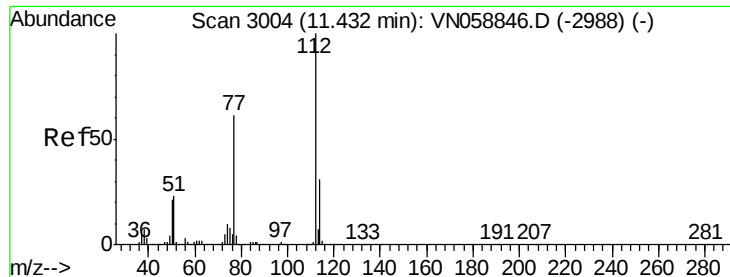
MMDadoda
10/22/2019 4:55:51 PM



#64
Tetrachloroethene
Concen: 48.690 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	104.8	157.2
129	98.0	79.3	118.9
131	96.9	75.8	113.6





#65

Chlorobenzene

Concen: 51.128 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 674439

Ion Ratio Lower Upper

112 100

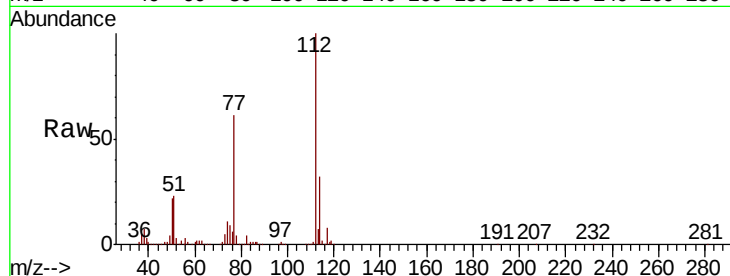
114 31.6 25.1 37.7

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

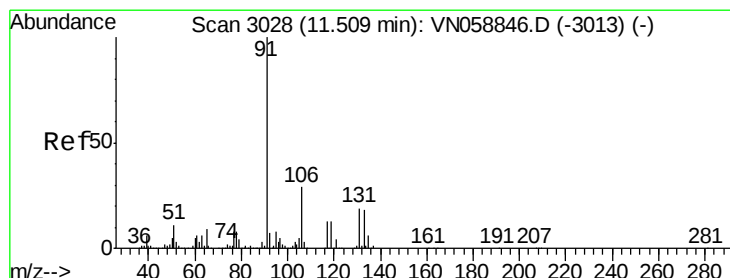
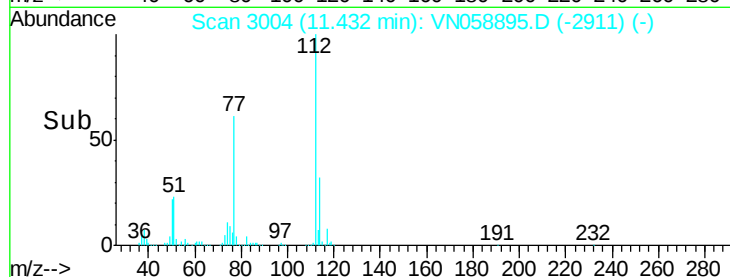
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.003 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

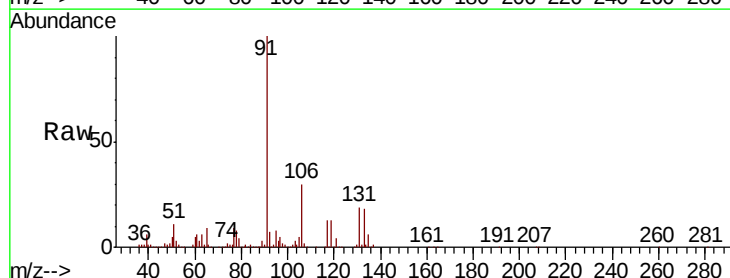
Tgt Ion:131 Resp: 253887

Ion Ratio Lower Upper

131 100

133 96.2 48.4 145.2

119 66.7 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

200000

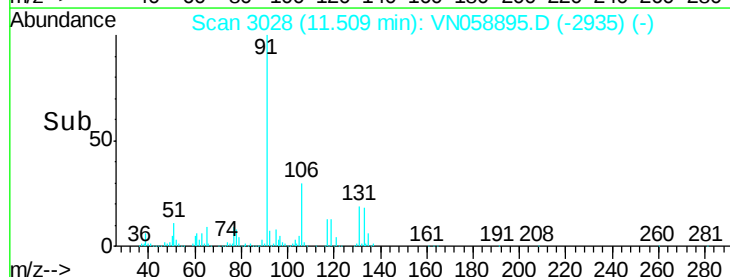
150000

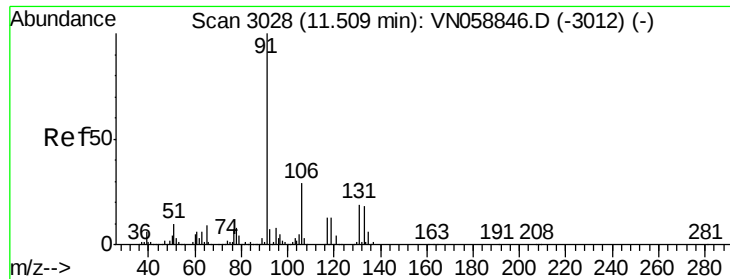
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 54.684 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1265420

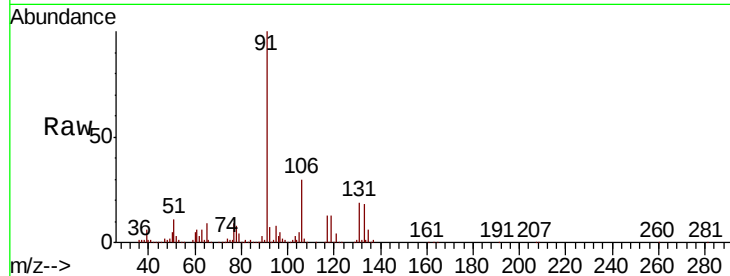
Ion Ratio Lower Upper

91 100

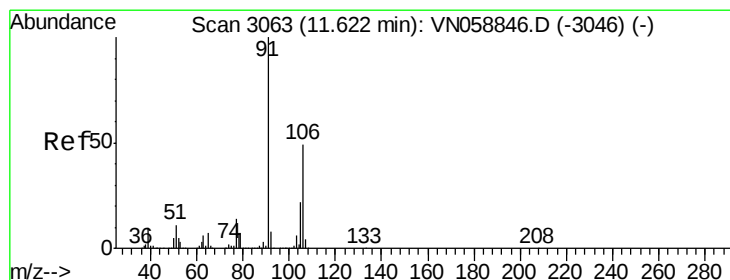
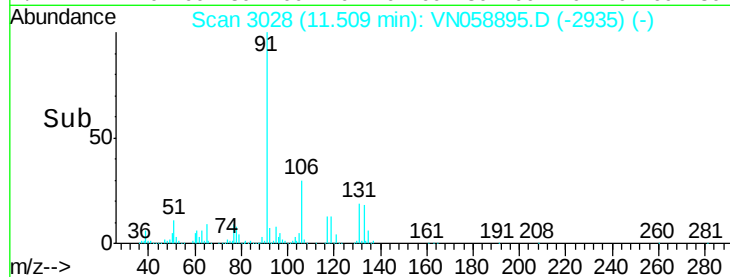
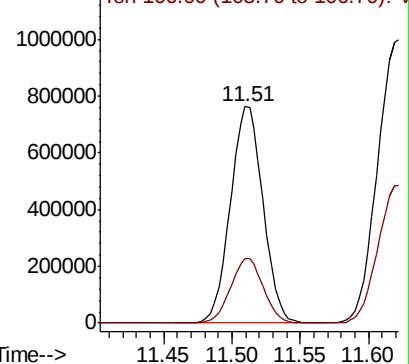
106 30.1 23.4 35.0

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN058895.D (-2935) (-)



#68

m/p-Xylenes

Concen: 108.852 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058895.D

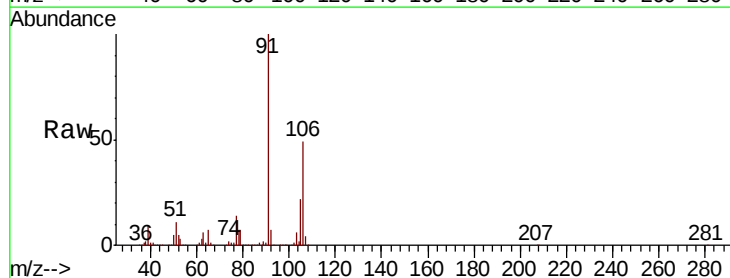
Acq: 21 Oct 2019 17:42

Tgt Ion: 106 Resp: 934121

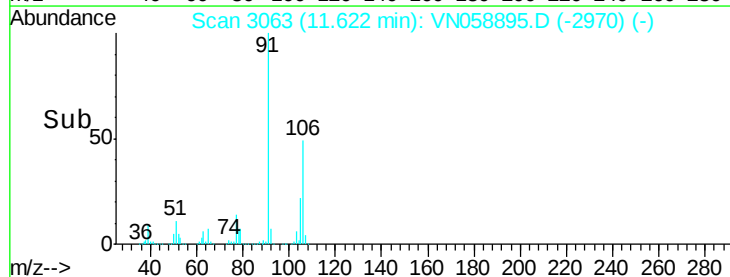
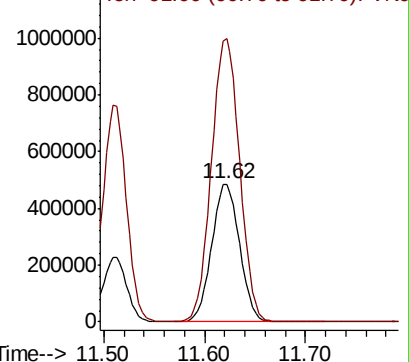
Ion Ratio Lower Upper

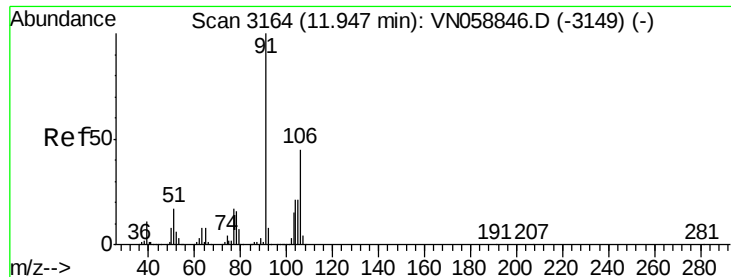
106 100

91 208.1 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058895.D (-2970) (-)





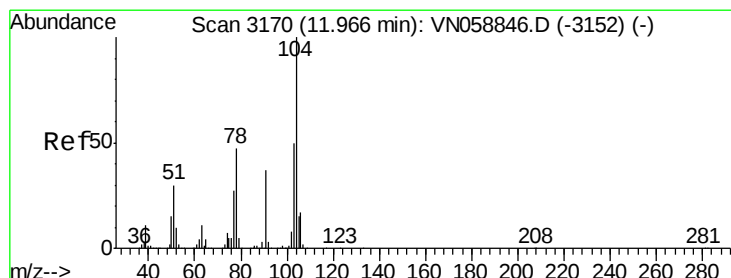
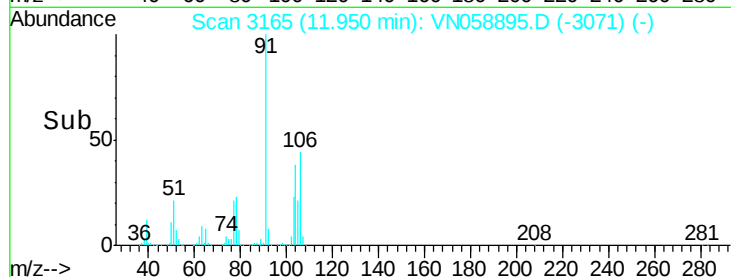
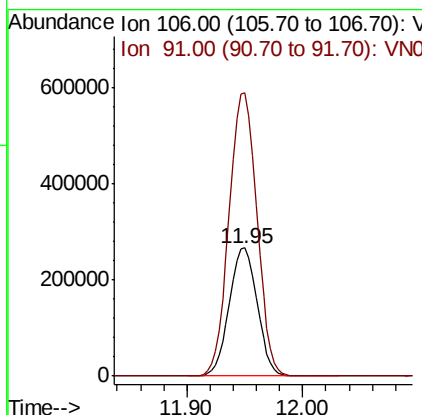
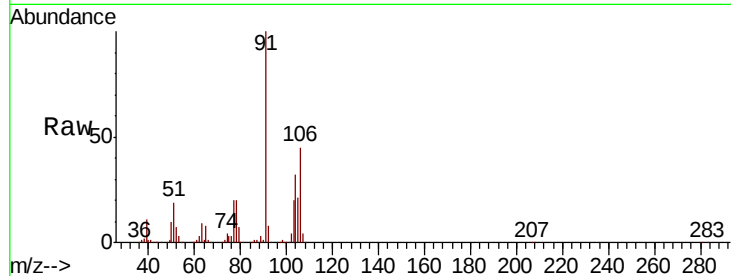
#69
o-Xylene
Concen: 54.416 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 445369
Ion Ratio Lower Upper
106 100
91 220.9 111.5 334.4

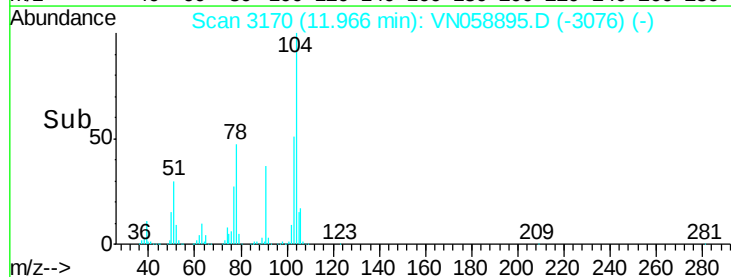
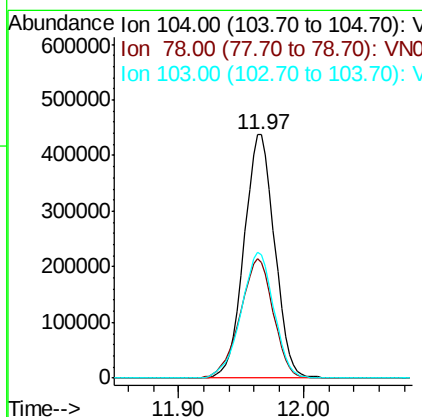
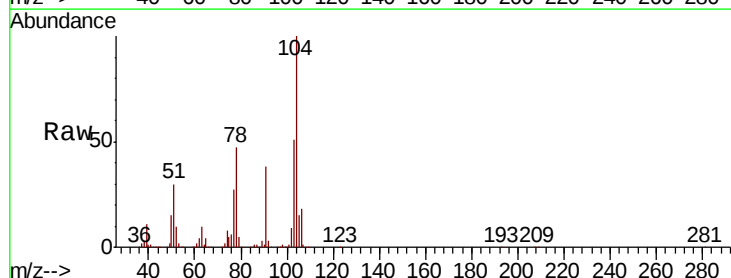
Manual Integrations
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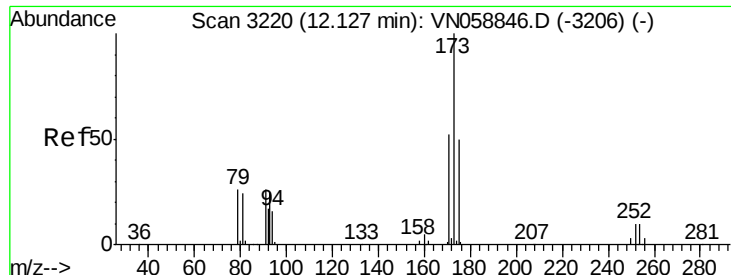
MMDadoda
10/22/2019 4:55:51 PM



#70
Styrene
Concen: 49.215 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion:104 Resp: 743100
Ion Ratio Lower Upper
104 100
78 53.2 42.8 64.2
103 55.2 44.3 66.5





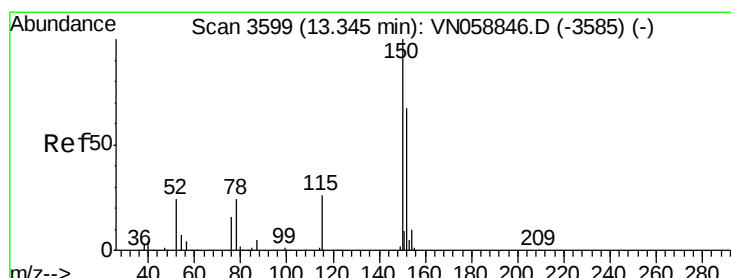
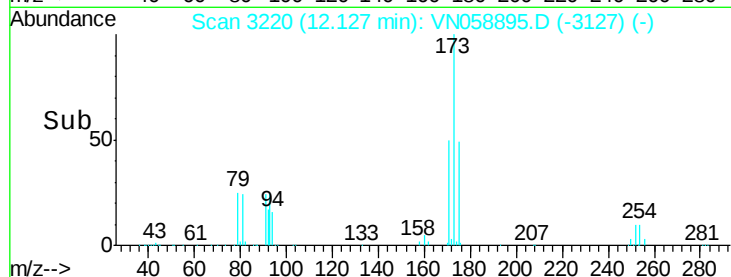
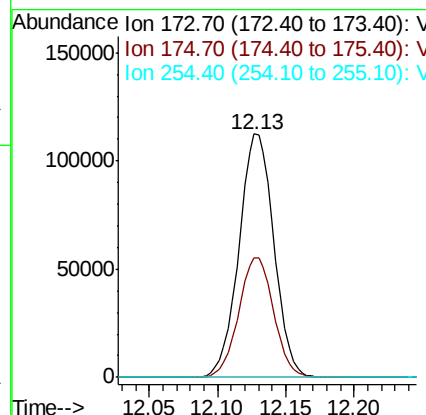
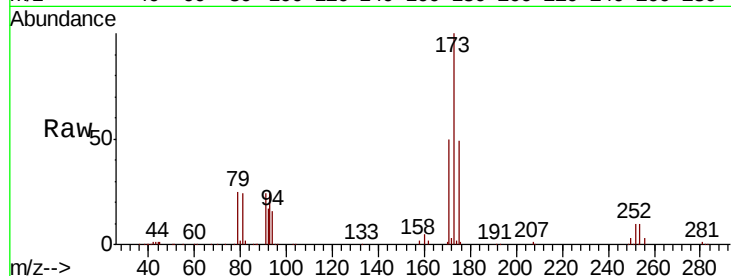
#71
Bromoform
Concen: 51.682 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.7	74.1
254	0.0	0.0	0.0

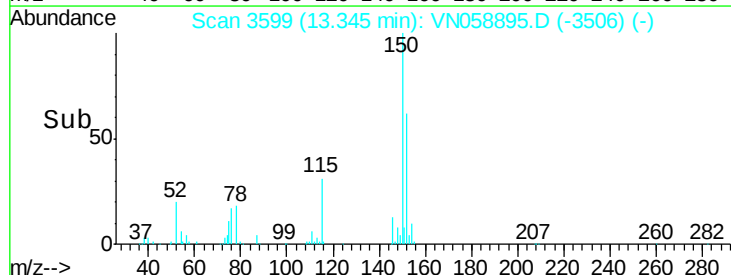
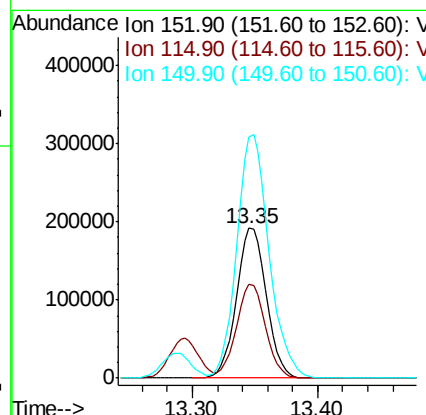
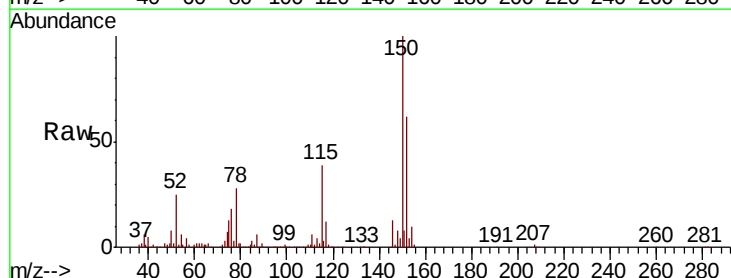
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.5	91.5
150	175.7	0.0	344.4





#73

Isopropylbenzene

Concen: 52.793 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1218367

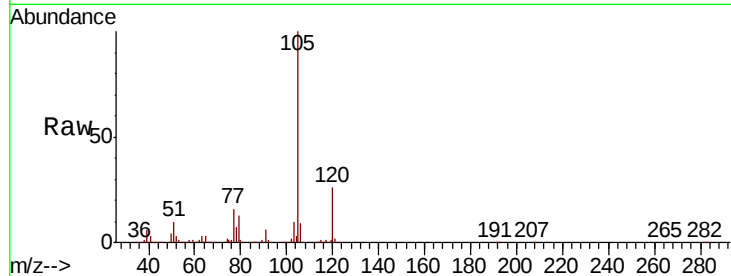
Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

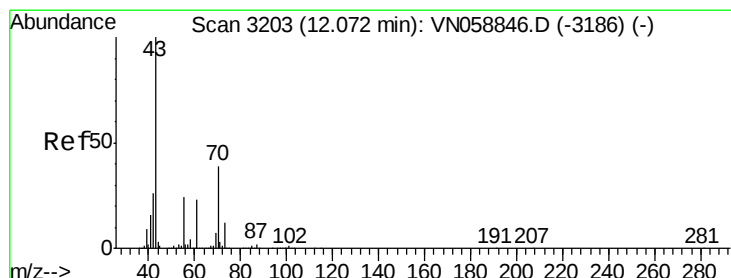
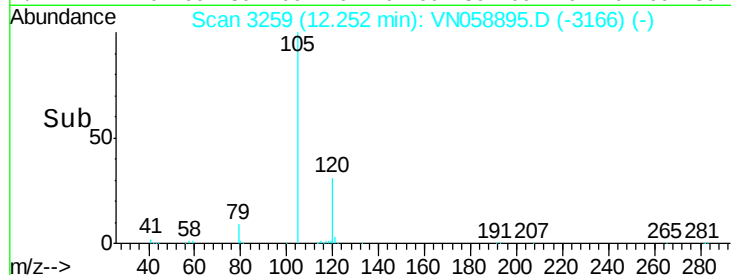
200000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 54.412 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Tgt Ion: 43 Resp: 569290

Ion Ratio Lower Upper

43 100

70 39.3 30.9 46.3

55 24.4 19.7 29.5

61 23.0 18.2 27.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

300000

200000

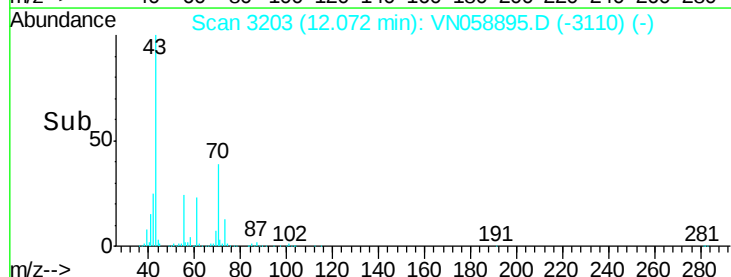
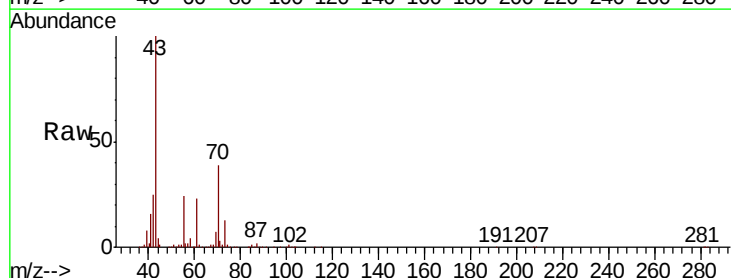
100000

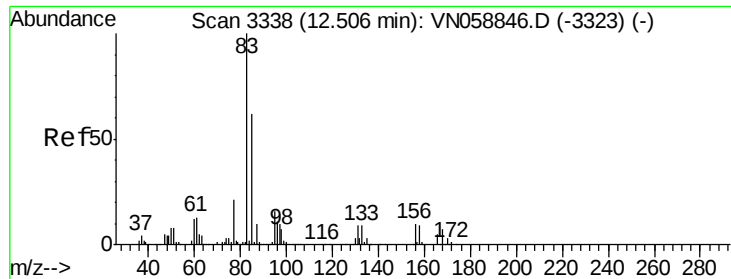
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.858 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 396470

Ion Ratio Lower Upper

83 100

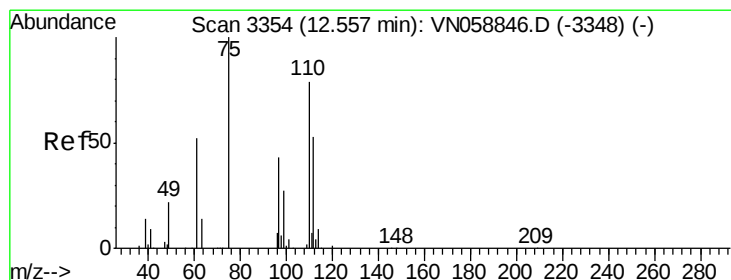
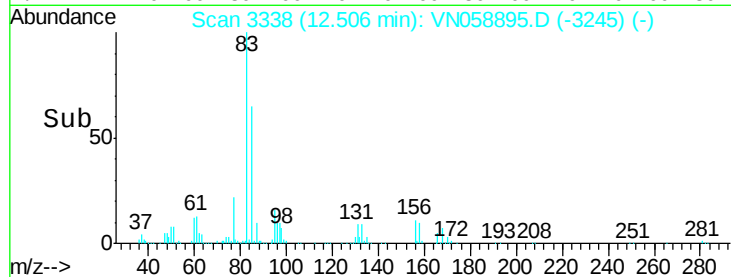
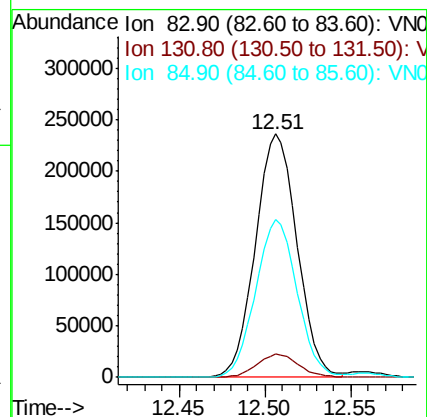
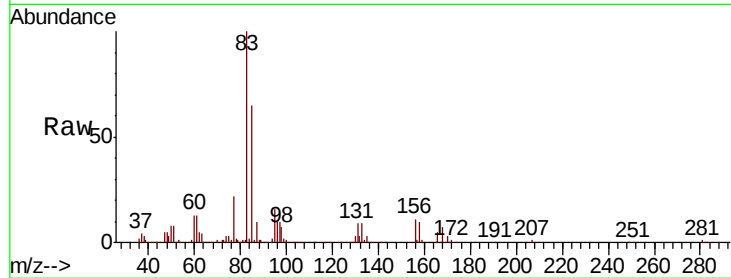
131 9.6 4.7 14.1

85 64.7 31.7 95.1

Manual Integrations
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10/22/2019 4:55:51 PM



#76

1,2,3-Trichloropropane

Concen: 47.105 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058895.D

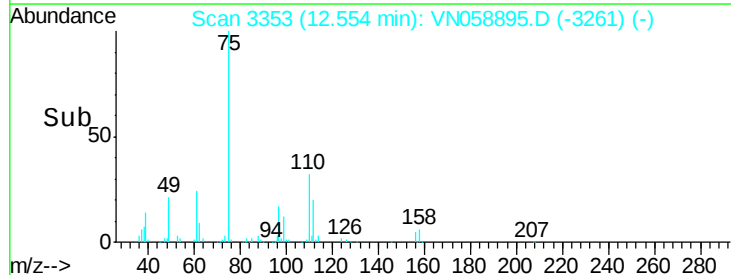
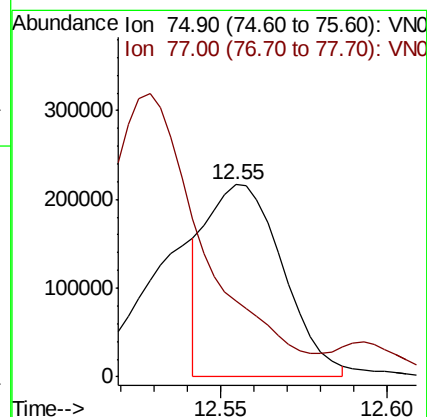
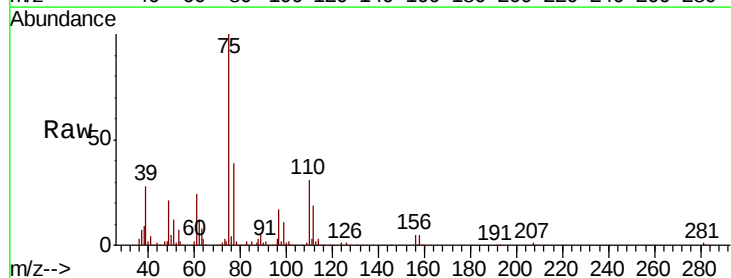
Acq: 21 Oct 2019 17:42

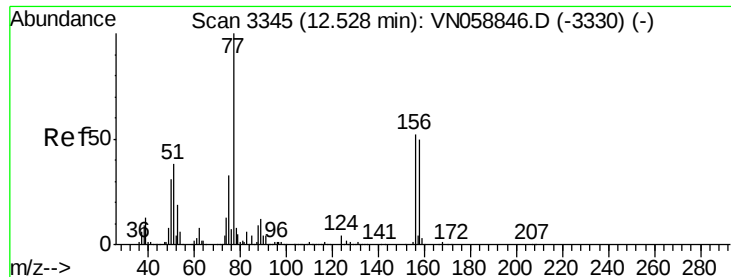
Tgt Ion: 75 Resp: 344751

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.729 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

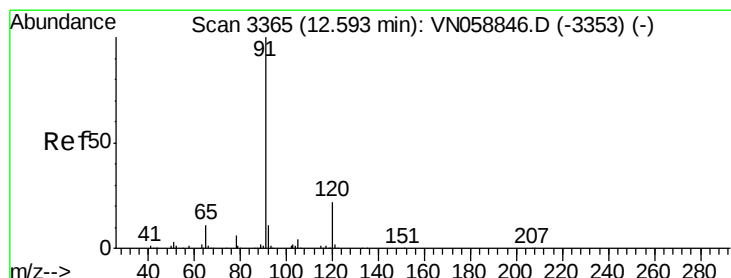
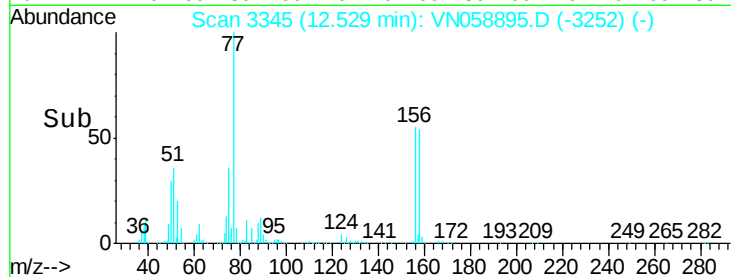
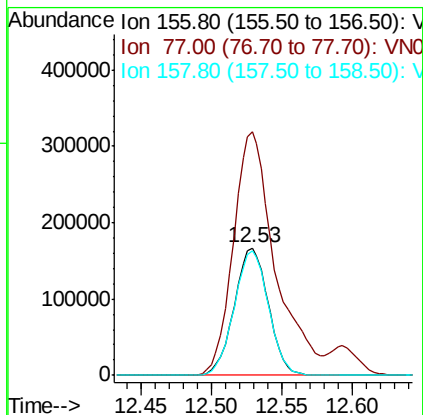
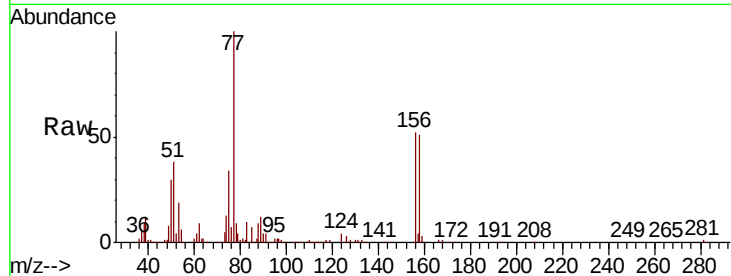
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	235.2	118.0	354.0	
158	98.3	48.3	144.8	

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#78

n-propylbenzene

Concen: 53.177 ug/l

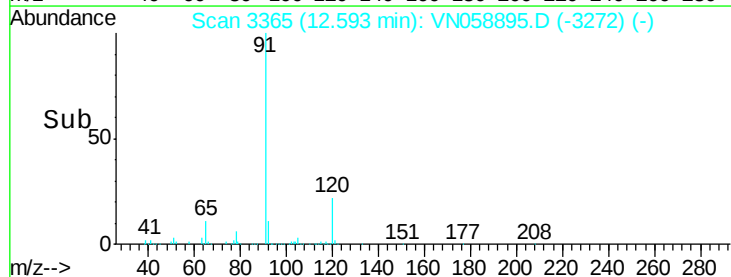
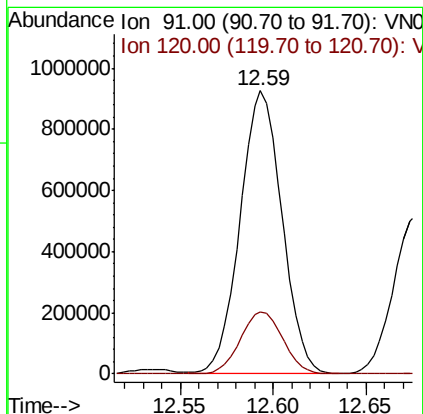
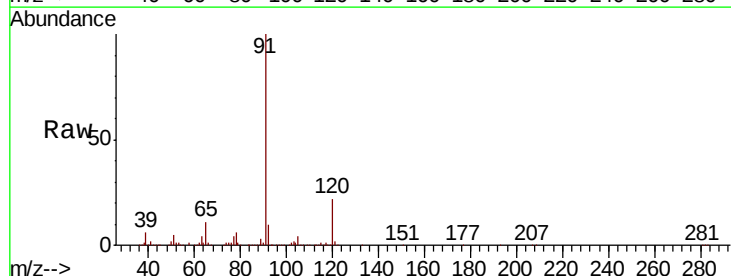
RT: 12.59 min Scan# 3365

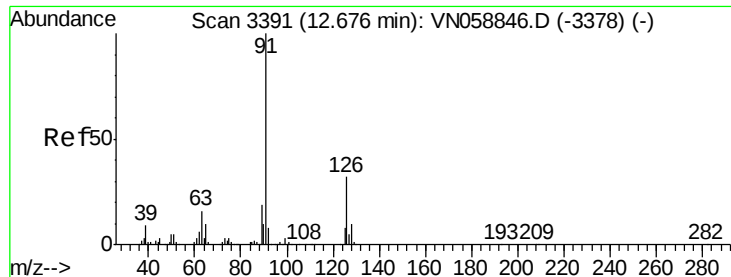
Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

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





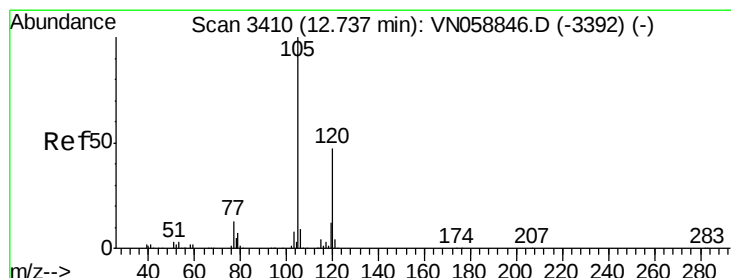
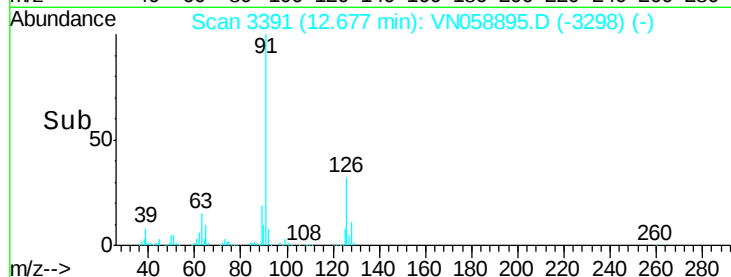
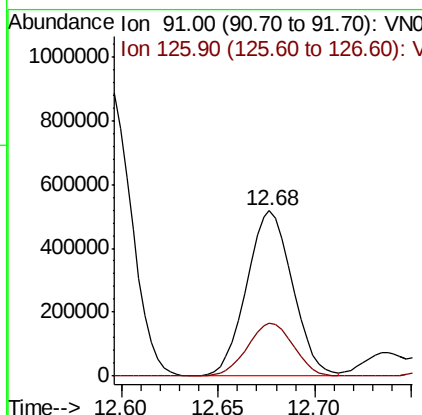
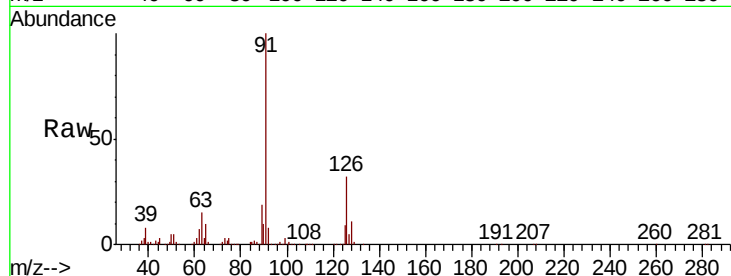
#79
 2-Chlorotoluene
 Concen: 50.818 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 848453
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.2 48.6

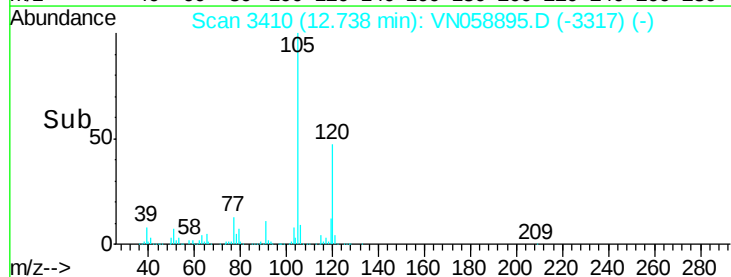
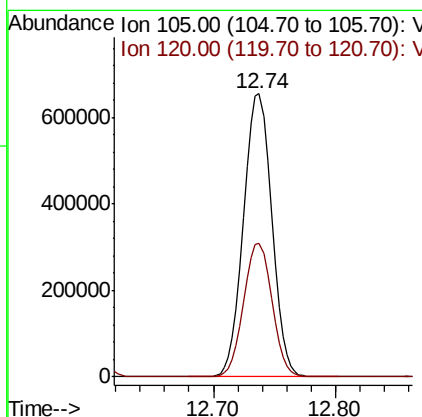
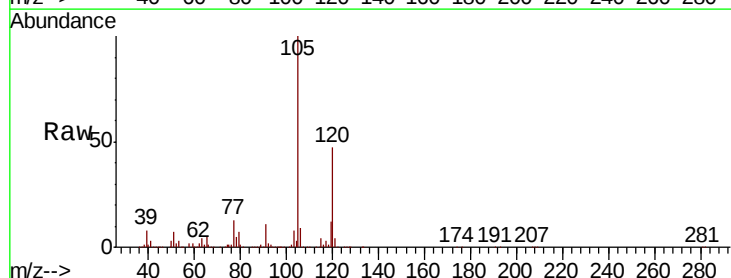
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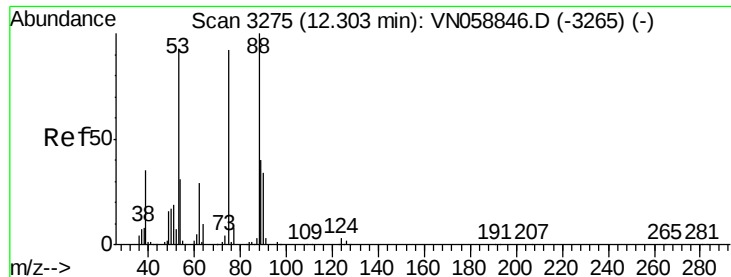
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.843 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion: 105 Resp: 1044009
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 50.800 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 142718

Ion Ratio Lower Upper

75 100

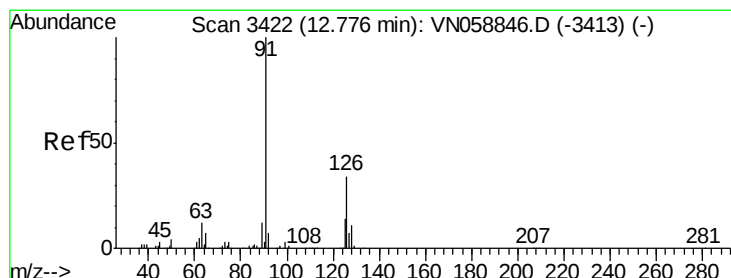
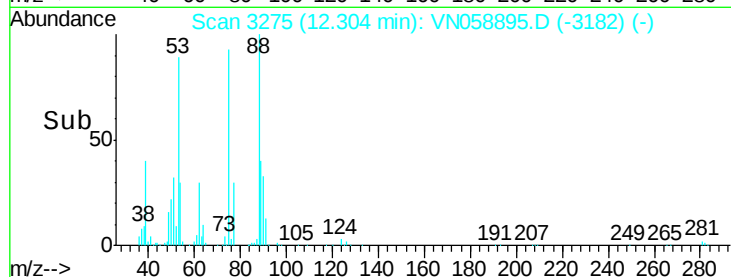
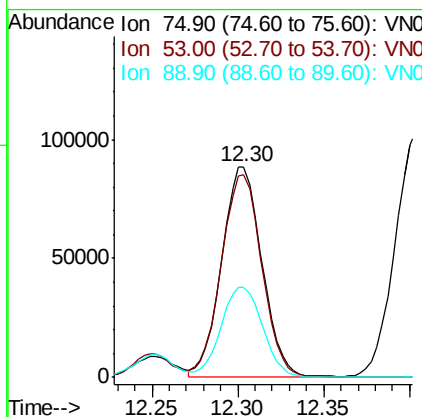
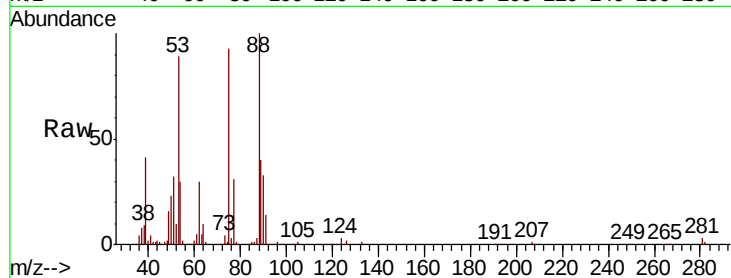
53 98.7 78.6 118.0

89 44.9 35.4 53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.387 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058895.D

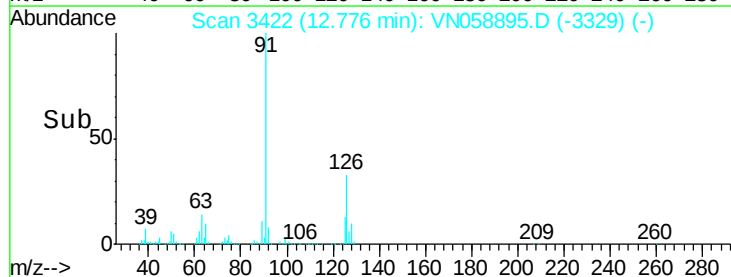
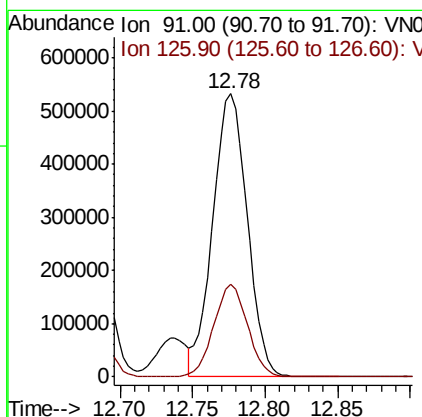
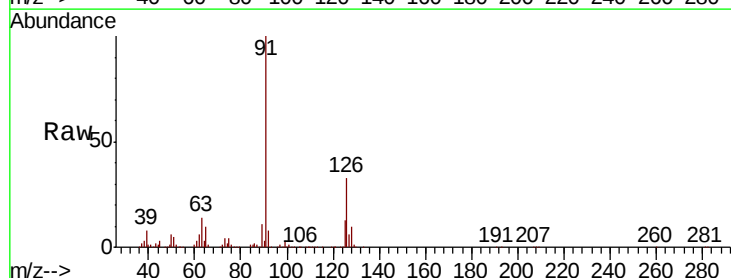
Acq: 21 Oct 2019 17:42

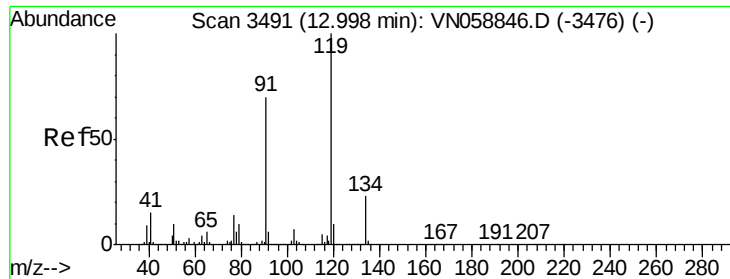
Tgt Ion: 91 Resp: 876769

Ion Ratio Lower Upper

91 100

126 32.0 16.0 47.9





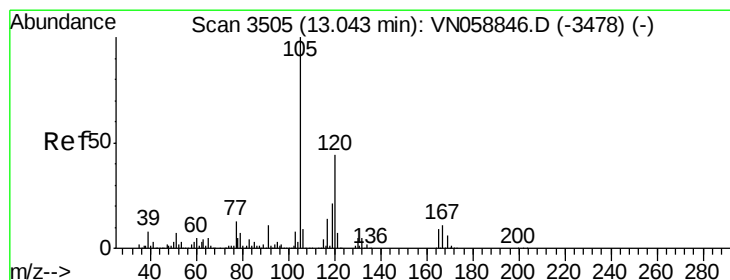
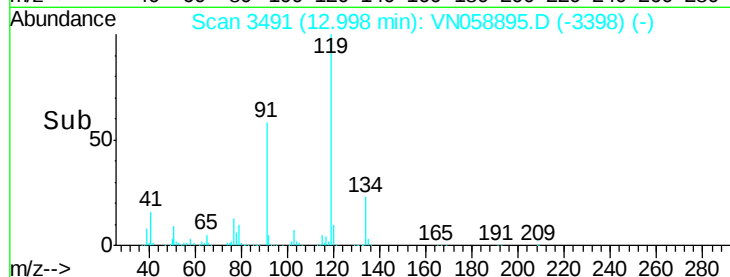
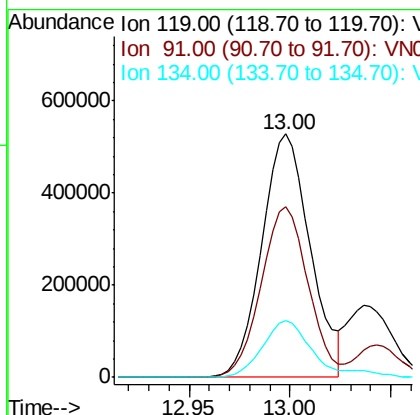
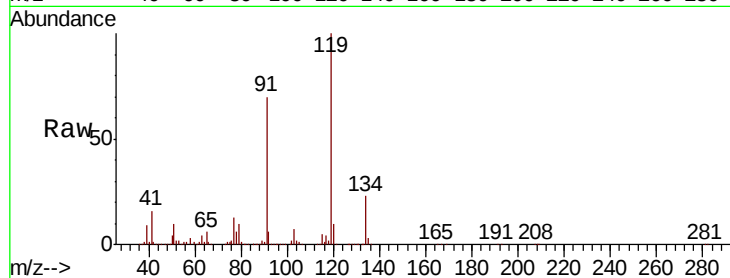
#83
tert-Butylbenzene
Concen: 53.363 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.1	102.3
134	24.7	11.6	34.8

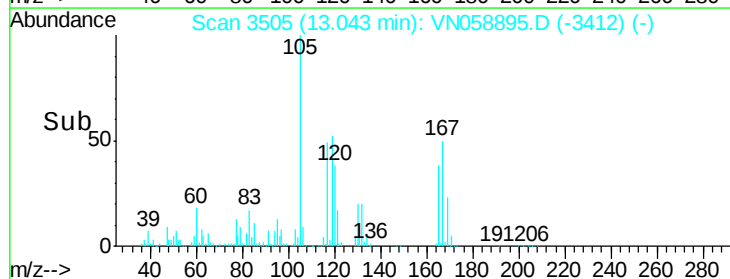
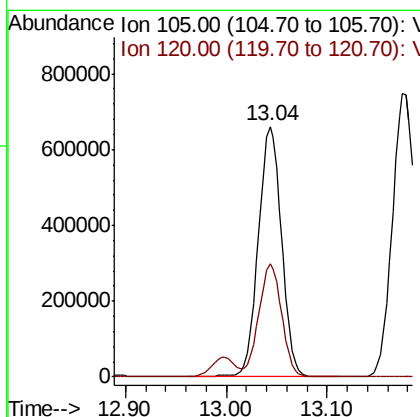
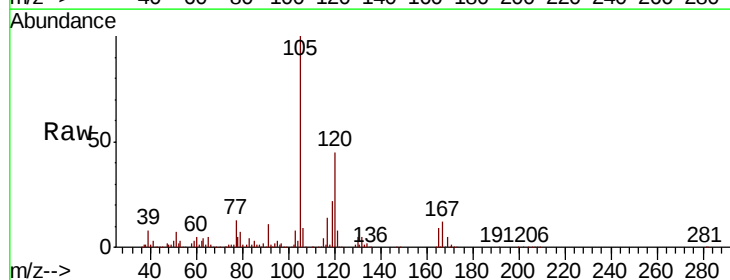
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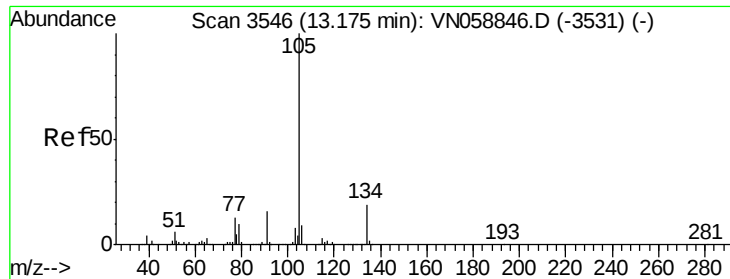
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#84
1,2,4-Trimethylbenzene
Concen: 55.026 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.9	65.8





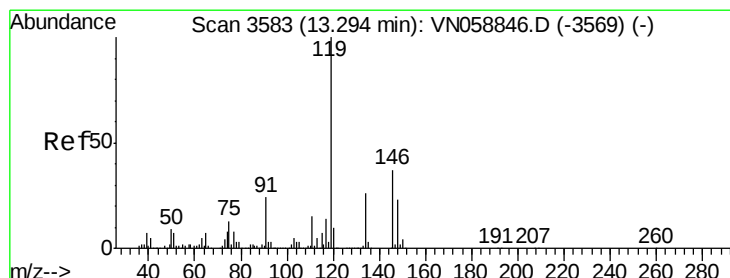
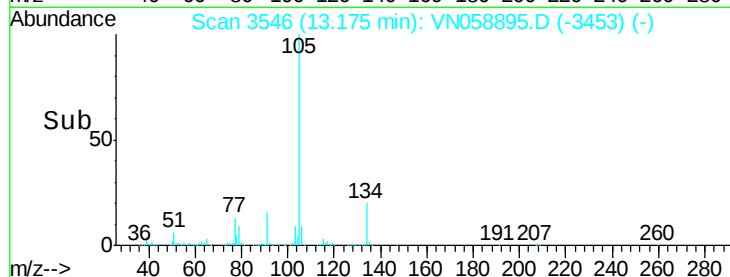
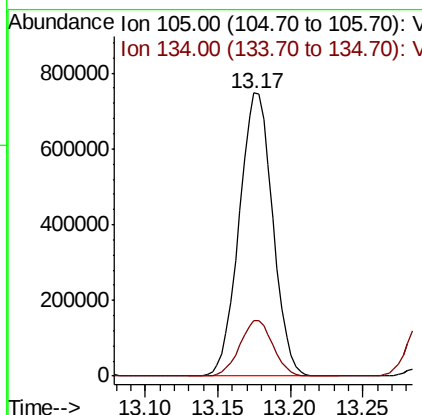
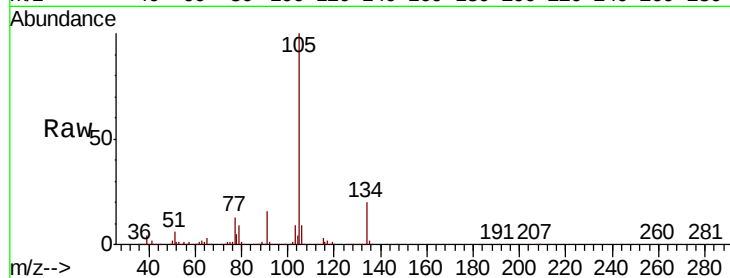
#85
 sec-Butylbenzene
 Concen: 54.285 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1200042
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.4 28.2

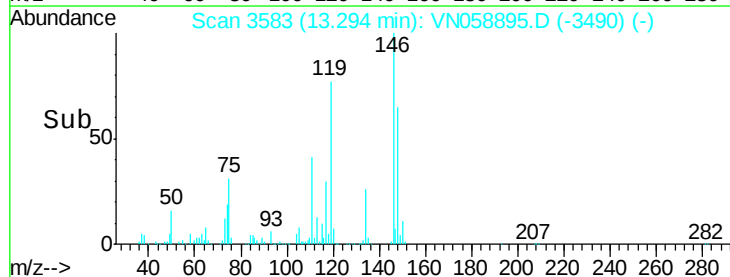
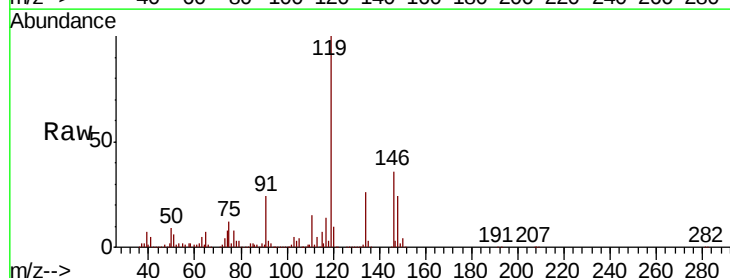
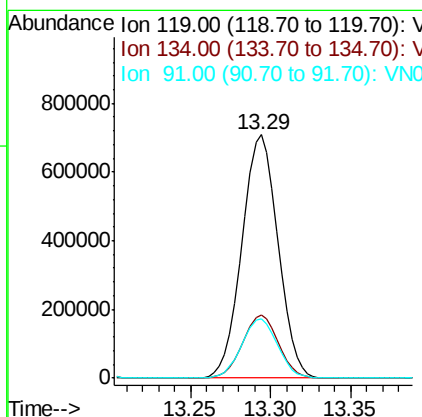
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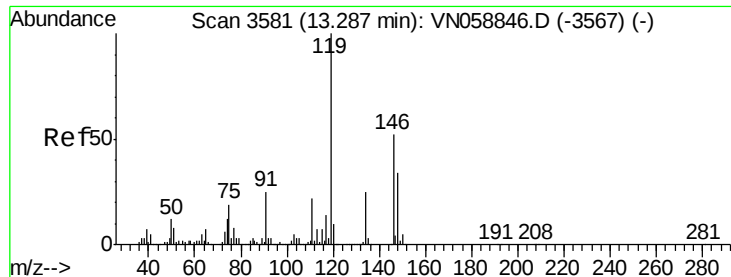
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#86
 p-Isopropyltoluene
 Concen: 55.604 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion:119 Resp: 1084595
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 24.2 12.2 36.4





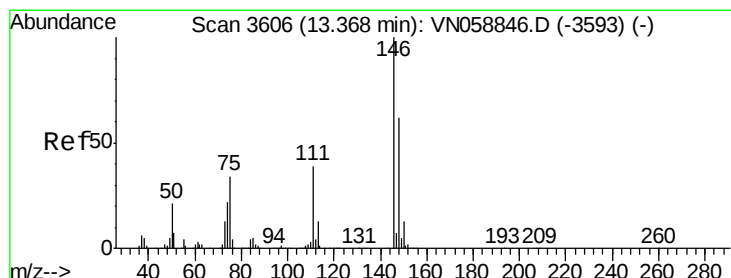
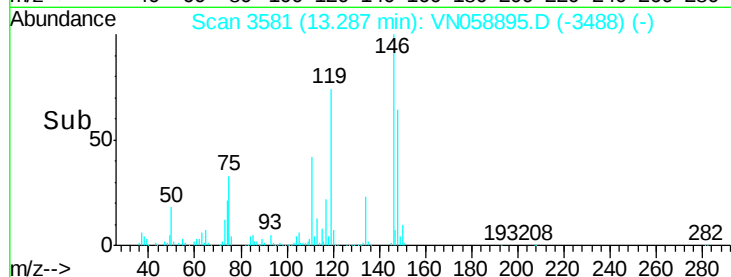
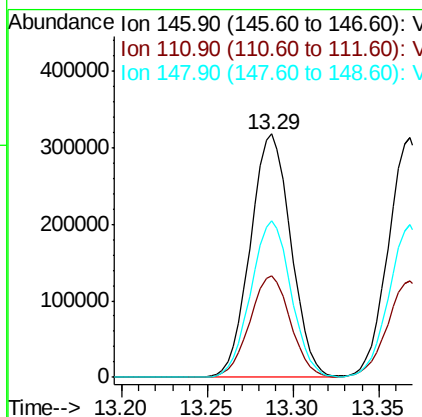
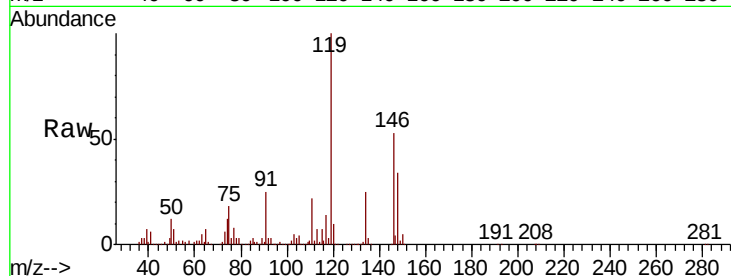
#87
 1,3-Dichlorobenzene
 Concen: 51.194 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.0	63.0
148	63.8	32.1	96.3

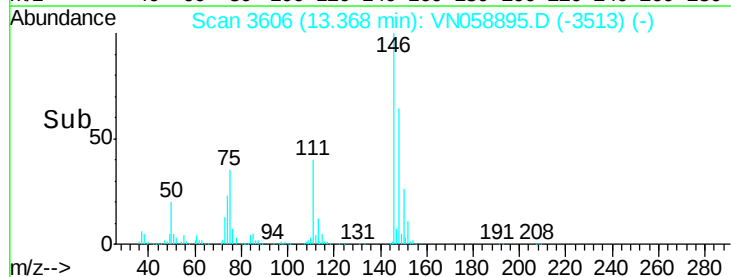
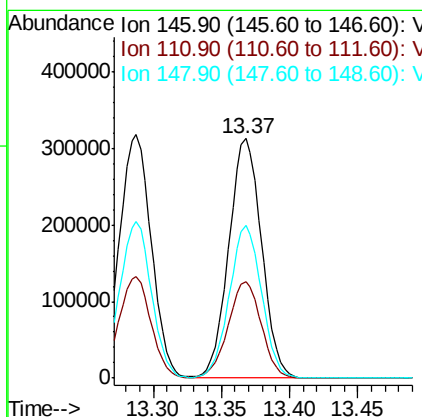
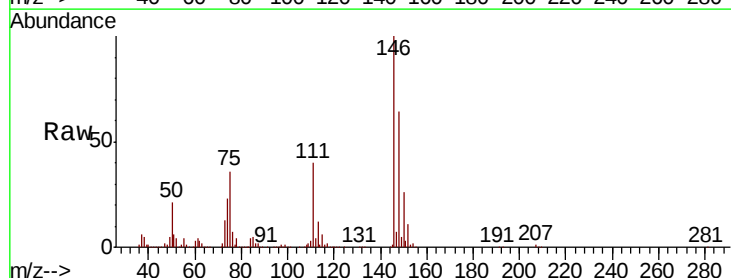
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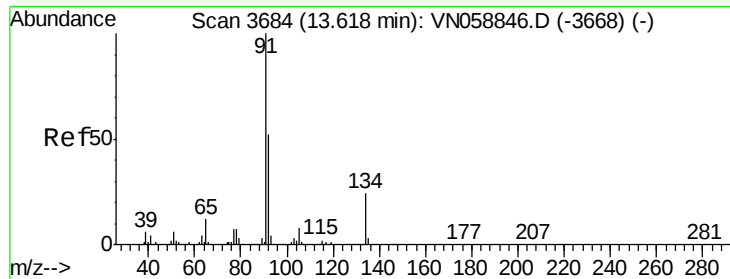
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#88
 1,4-Dichlorobenzene
 Concen: 51.138 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.2	60.6
148	62.8	31.6	94.7





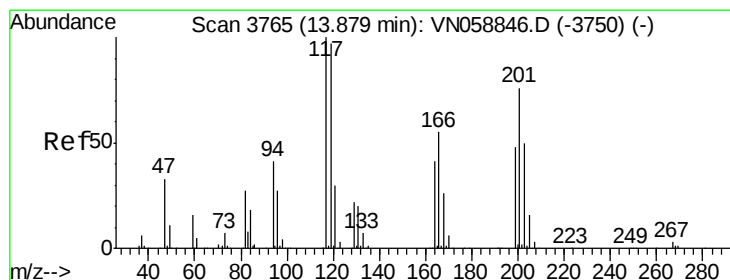
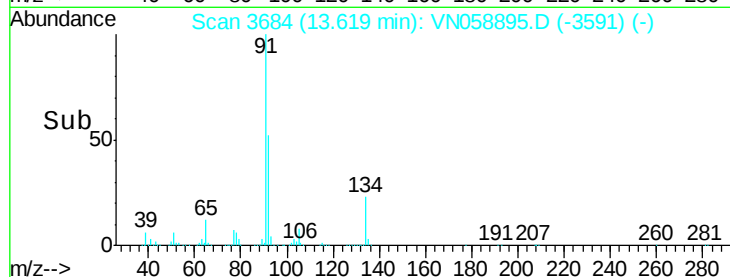
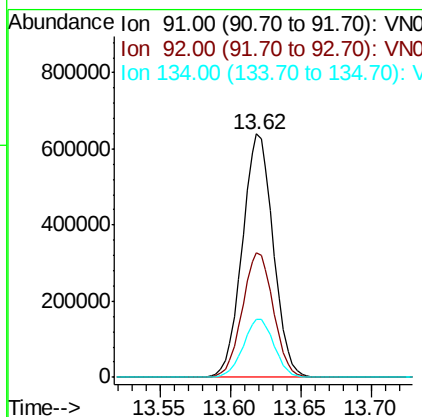
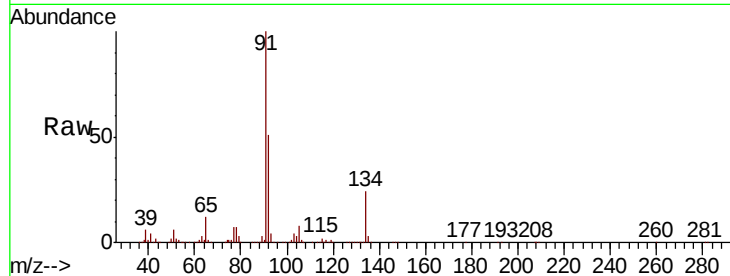
#89
n-Butylbenzene
Concen: 54.748 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.1
134	24.0	11.9	35.5

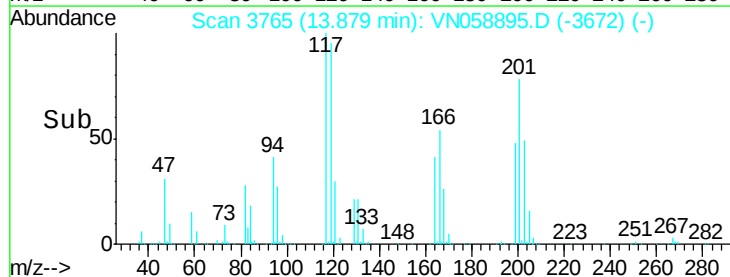
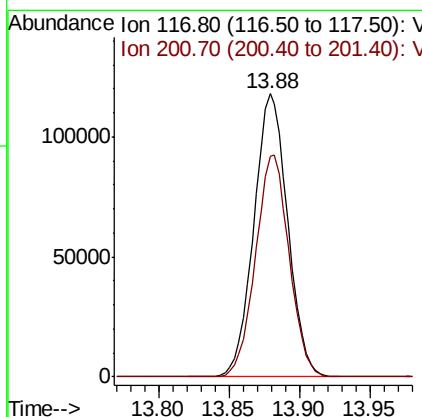
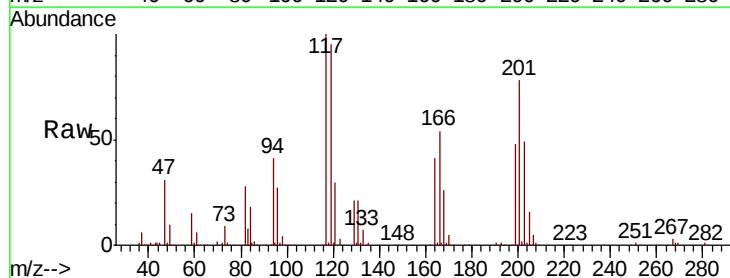
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#90
Hexachloroethane
Concen: 50.019 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058895.D
Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	38.9	116.6





#91

1,2-Dichlorobenzene

Concen: 51.252 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

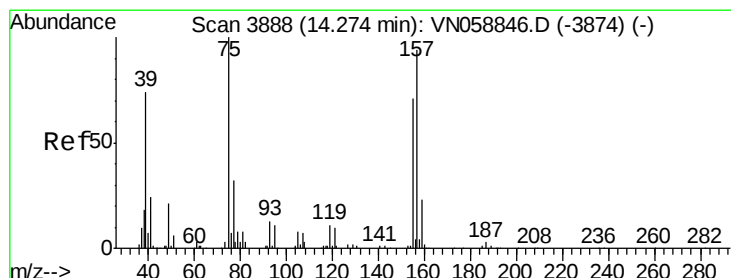
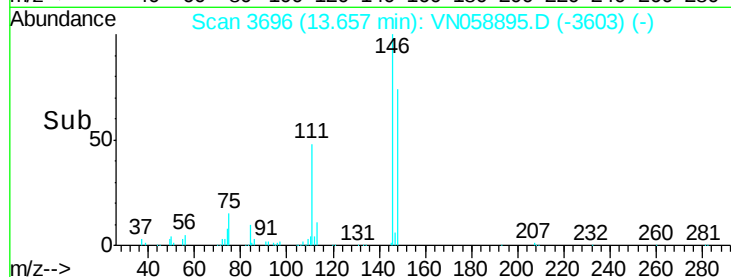
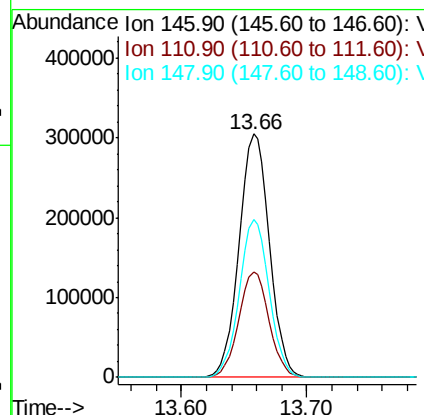
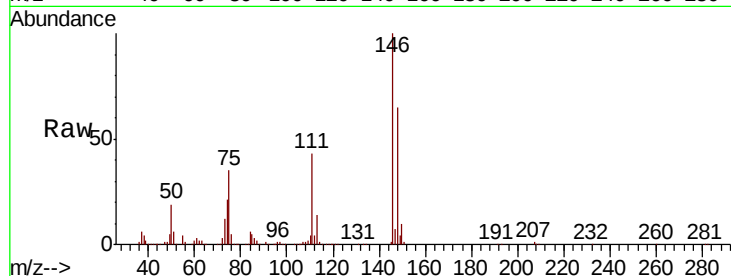
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	512367
Ion Ratio		Lower	Upper
146	100		
111	43.1	21.6	64.8
148	63.8	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.375 ug/l

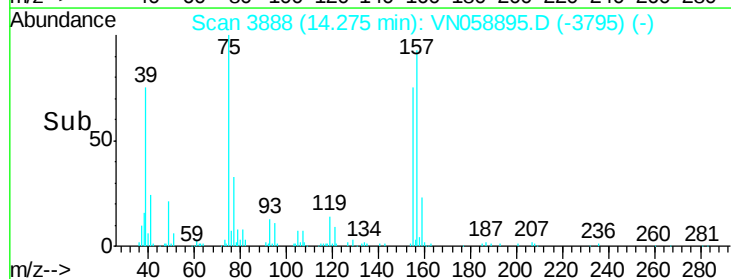
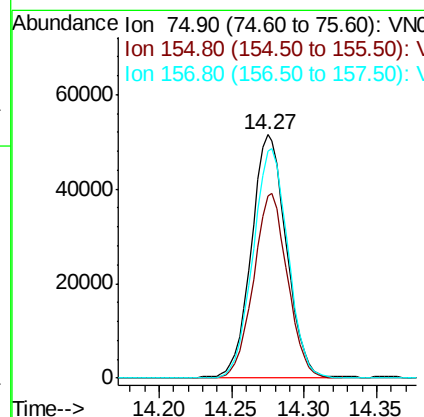
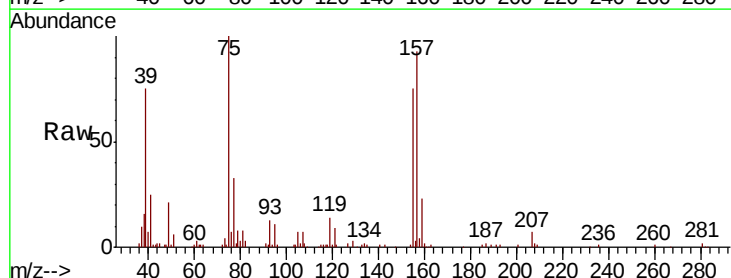
RT: 14.27 min Scan# 3888

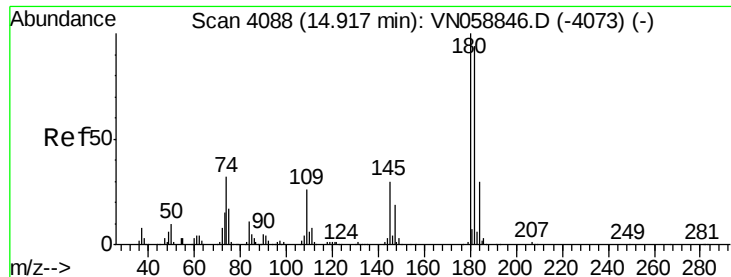
Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Tgt Ion:	75	Resp:	86951
Ion Ratio		Lower	Upper
75	100		
155	73.3	35.6	106.8
157	93.7	47.4	142.2





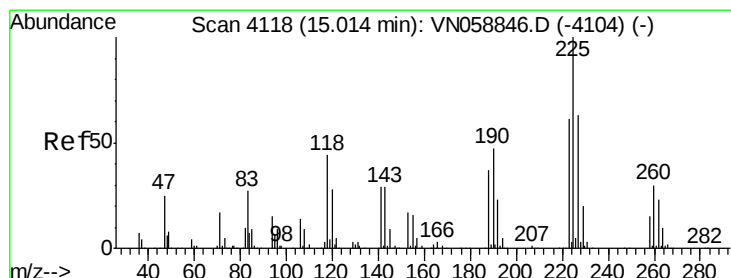
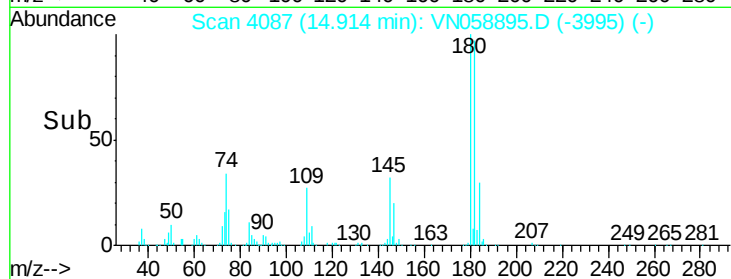
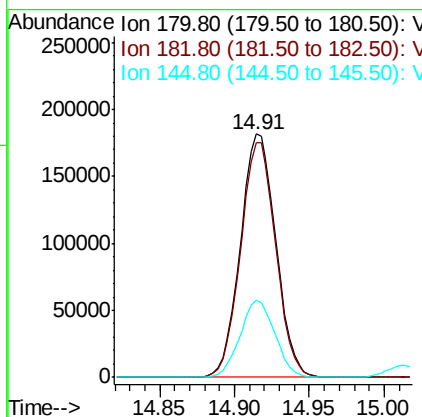
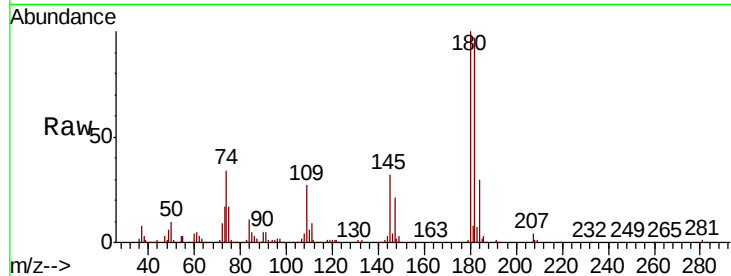
#93
 1,2,4-Trichlorobenzene
 Concen: 47.754 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	299778		
182	95.4	47.3	142.0	
145	31.2	15.3	45.8	

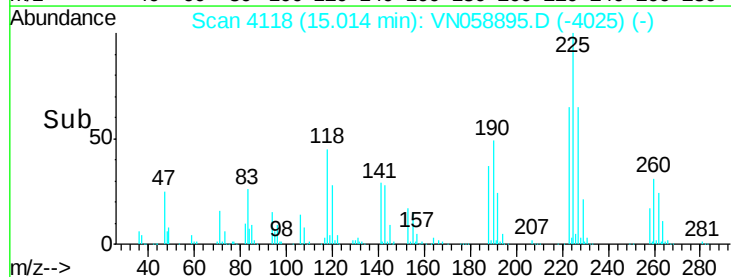
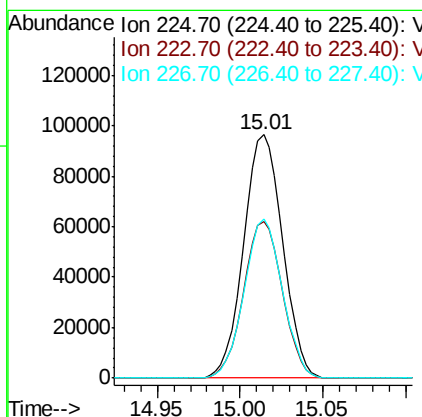
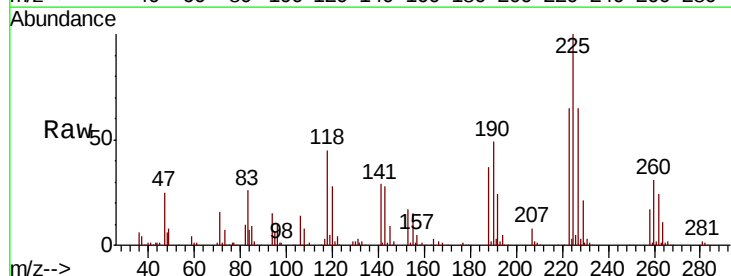
Manual Integrations
 APPROVED

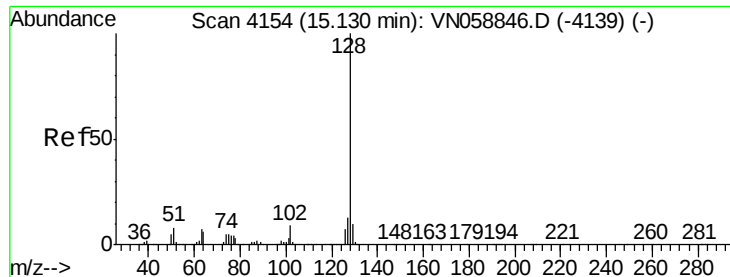
MMDadoda
 10/22/2019 4:55:51 PM



#94
 Hexachlorobutadiene
 Concen: 48.698 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058895.D
 Acq: 21 Oct 2019 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	157792		
223	64.2	30.9	92.5	
227	64.0	31.6	94.7	





#95

Naphthalene

Concen: 47.868 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Instrument :

MSVOA_N

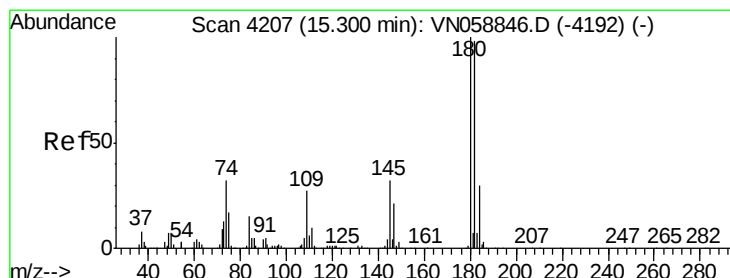
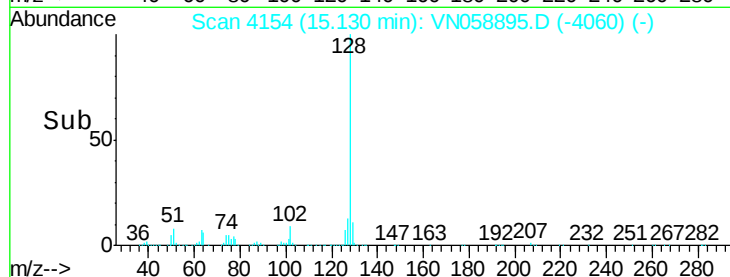
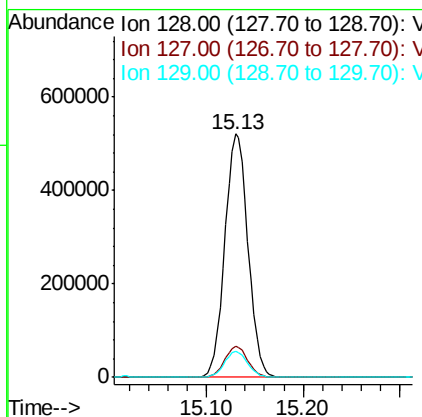
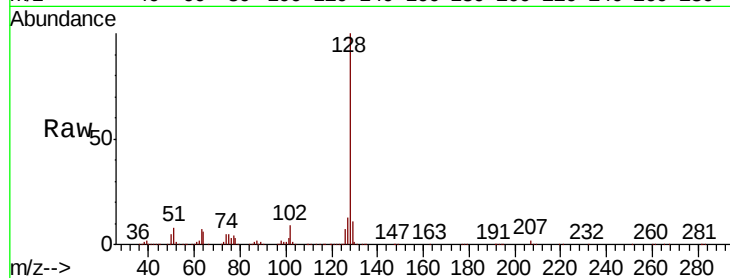
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	864044
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/22/2019 4:55:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.793 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058895.D

Acq: 21 Oct 2019 17:42

Tgt Ion:	180	Resp:	292132
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.9	143.7
145	32.4	15.9	47.7

