

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058241.D
 Acq On : 20 Sep 2019 11:42
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:29:47 PM

Quant Time: Sep 23 04:08:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	73604	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	433493	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	392368	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	202342	31.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.60%
60) 4-Bromofluorobenzene	12.40	95	198576	29.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.60%
63) Toluene-d8	10.09	98	559754	29.72	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	91374	20.547 ug/l	98
3) Chloromethane	2.03	50	97792	17.636 ug/l	98
4) Vinyl Chloride	2.17	62	98087	17.289 ug/l	99
5) Bromomethane	2.55	94	48329	13.650 ug/l	89
6) Chloroethane	2.69	64	62823	17.818 ug/l	100
7) Trichlorofluoromethane	3.00	101	122666	18.715 ug/l	98
8) Diethyl Ether	3.39	74	55722	21.073 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83978	20.518 ug/l	99
10) 1,1-Dichloroethene	3.72	96	76269	19.597 ug/l	92
11) Methyl Iodide	3.93	142	79204	15.211 ug/l	100
12) Methyl Acetate	4.30	43	114993	21.530 ug/l	97
13) Acrolein	3.59	56	24613	84.934 ug/l	87
14) Acrylonitrile	4.96	53	219575	100.846 ug/l #	88
15) Acetone	3.80	58	53945	87.270 ug/l	99
16) Carbon Disulfide	4.03	76	160531	17.713 ug/l	96
17) Allyl chloride	4.30	41	146236	20.505 ug/l	96
18) Methylene Chloride	4.53	84	95679	19.509 ug/l	97
19) trans-1,2-Dichloroethene	5.01	96	85414	19.691 ug/l	94
20) Diisopropyl ether	5.93	45	332911	19.968 ug/l	98
21) 1,1-Dichloroethane	5.82	63	188904	20.548 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	104989	19.754 ug/l	97
23) tert-Butyl Alcohol	4.76	59	67916m	95.547 ug/l	
24) Methyl tert-Butyl Ether	5.02	73	297876	19.968 ug/l #	100
25) Chloroform	7.36	83	189891	20.289 ug/l	99
26) Cyclohexane	7.64	56	154413	19.991 ug/l #	96
29) 1,1-Dichloropropene	7.78	75	130457	19.130 ug/l	96
30) 2-Butanone	6.82	43	295213	96.009 ug/l	99
31) 2,2-Dichloropropane	6.80	77	143900	19.987 ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	151676	19.782 ug/l	99
33) Carbon Tetrachloride	7.76	117	122455	19.578 ug/l	99
34) Benzene	8.03	78	401348	19.862 ug/l	97
35) Methacrylonitrile	7.16	41	47272m	16.575 ug/l	
36) 1,2-Dichloroethane	8.11	62	156525	19.962 ug/l	100
37) Trichloroethene	8.82	130	97599	19.887 ug/l	97
38) Methylcyclohexane	9.07	83	152178	19.597 ug/l	99
39) 1,2-Dichloropropane	9.11	63	111354	19.623 ug/l	94
40) Dibromomethane	9.20	93	69377	20.101 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	137157	19.711	ug/l	95
42) Vinyl Acetate	5.87	43	1312419	106.199	ug/l	99
43) Ethyl Acetate	6.91	43	123148	19.630	ug/l #	78
44) Isopropyl Acetate	8.15	43	230918	21.111	ug/l #	93
45) 1,4-Dioxane	9.19	88	28682	333.703	ug/l	96
46) Methyl methacrylate	9.19	41	103623	19.394	ug/l	99
47) n-amyl Acetate	12.07	43	189658	18.875	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	139380	18.815	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	158734	19.098	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	99633	19.902	ug/l	96
51) Ethyl methacrylate	10.43	69	148512	19.132	ug/l	96
52) 1,3-Dichloropropane	10.71	76	173995	19.874	ug/l	100
53) Dibromochloromethane	10.90	129	91424	18.491	ug/l	99
54) 1,2-Dibromoethane	11.00	107	97185	19.511	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	377513	102.347	ug/l	99
56) Bromoform	12.13	173	54564	17.815	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	657924	108.126	ug/l	100
59) 2-Hexanone	10.75	43	461605	101.093	ug/l	100
61) Tetrachloroethene	10.63	164	81803	20.505	ug/l	97
62) Toluene	10.15	91	436085	20.072	ug/l	99
64) Chlorobenzene	11.43	112	266673	19.787	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	91383	19.528	ug/l	99
66) Ethyl Benzene	11.51	91	487671	20.567	ug/l	100
67) m/p-Xylenes	11.62	106	358148	39.574	ug/l	99
68) o-Xylene	11.95	106	173977	19.623	ug/l	100
69) Styrene	11.97	104	295912	19.575	ug/l	98
70) Isopropylbenzene	12.25	105	480228	20.488	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	144540	19.731	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	135361m	20.819	ug/l	
73) Bromobenzene	12.53	156	109645	19.539	ug/l	99
74) n-propylbenzene	12.59	91	558344	20.849	ug/l	100
75) 2-Chlorotoluene	12.68	91	333670	20.004	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	402554	20.169	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	33783	17.514	ug/l	92
78) 4-Chlorotoluene	12.78	91	332075	19.517	ug/l	99
79) tert-butylbenzene	13.00	119	348099	19.991	ug/l	98
80) 1,2,4-Trimethylbenzene	13.05	105	406361	20.433	ug/l	99
81) sec-Butylbenzene	13.18	105	472112	20.435	ug/l	99
82) p-Isopropyltoluene	13.29	119	413333	19.977	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	201921	19.359	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	201175	19.590	ug/l	99
85) n-Butylbenzene	13.62	91	376958	19.549	ug/l	99
86) Hexachloroethane	13.88	117	59383	18.019	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	202062	19.957	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	25008	19.389	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	125110	20.228	ug/l	98
90) Hexachlorobutadiene	15.01	225	61700	21.722	ug/l	99
91) Naphthalene	15.13	128	345173	20.283	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	123028	20.857	ug/l	97

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QLast Update : Mon Sep 09 12:14:07 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

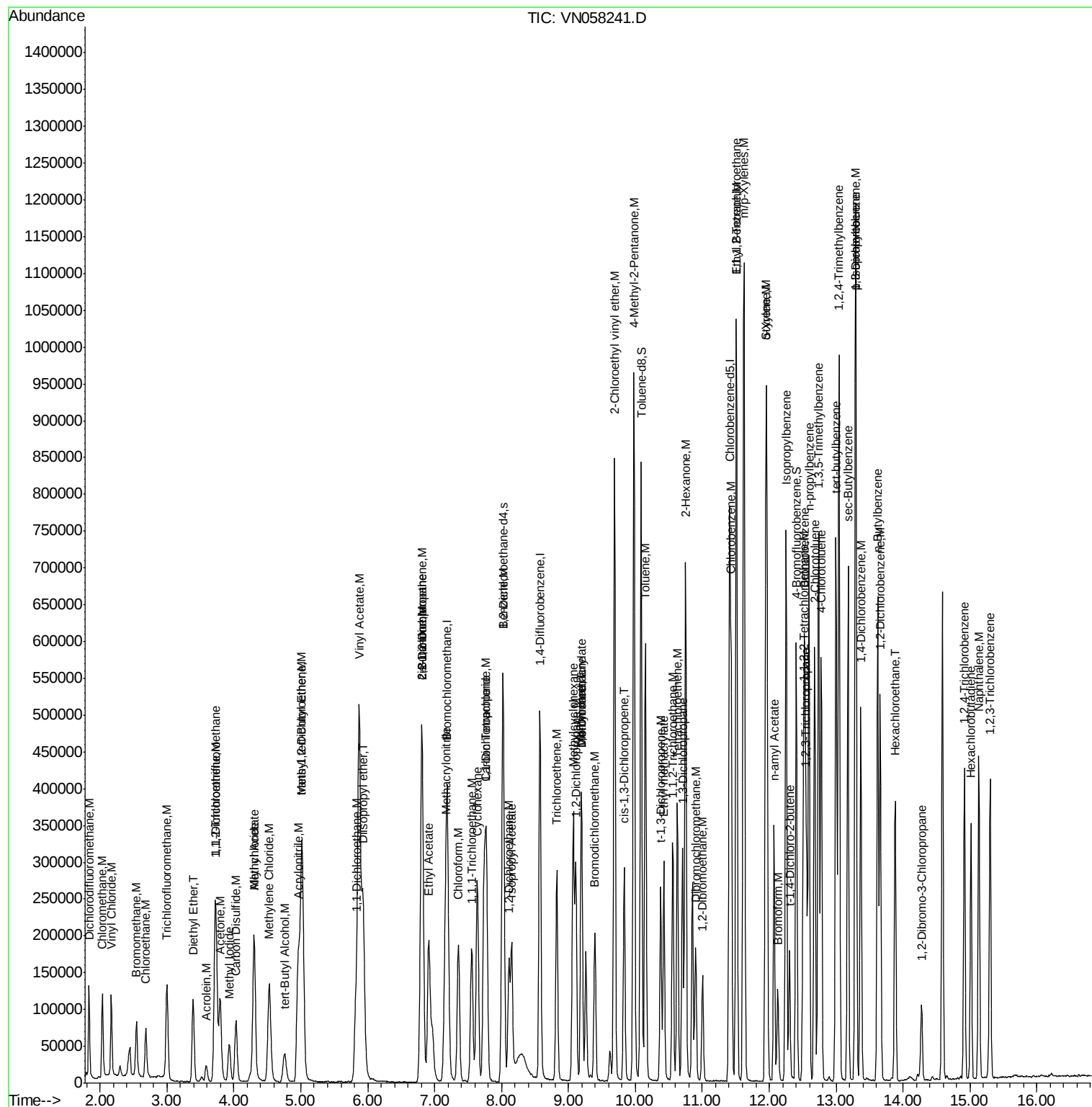
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
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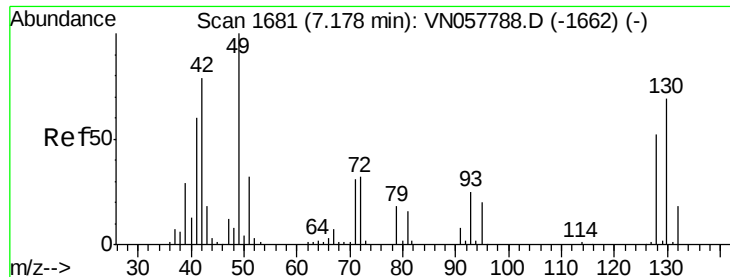
Instrument :
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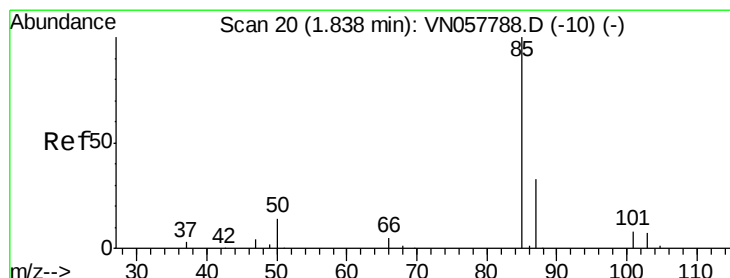
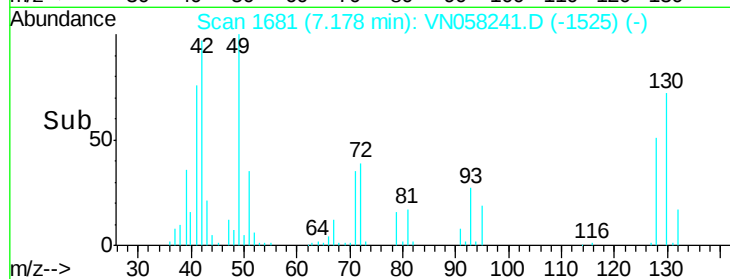
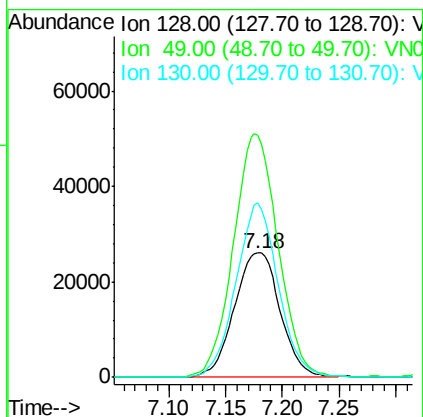
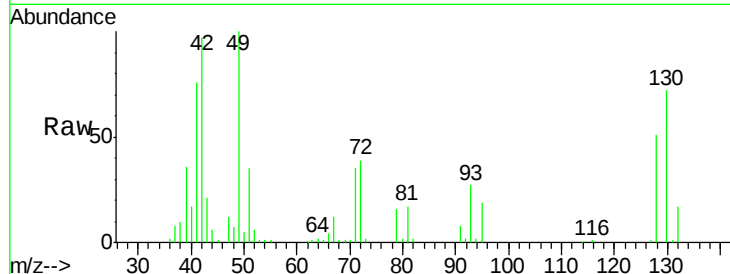
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN058241.D
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VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	190.2	0.0	486.5
130	128.6	0.0	324.5

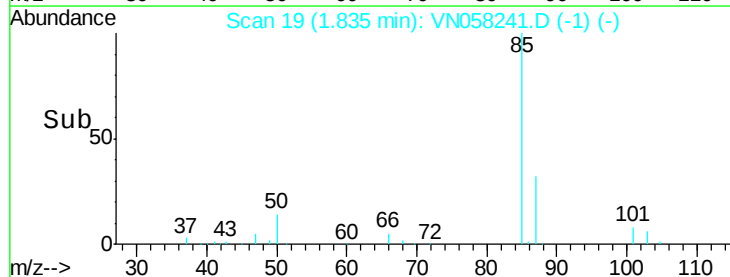
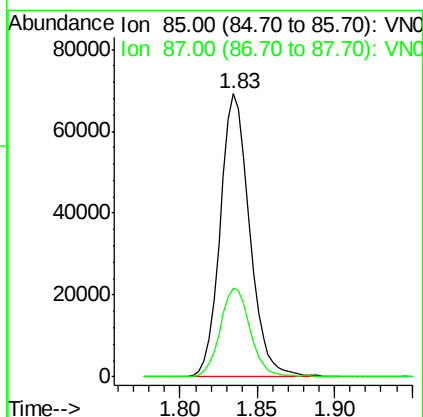
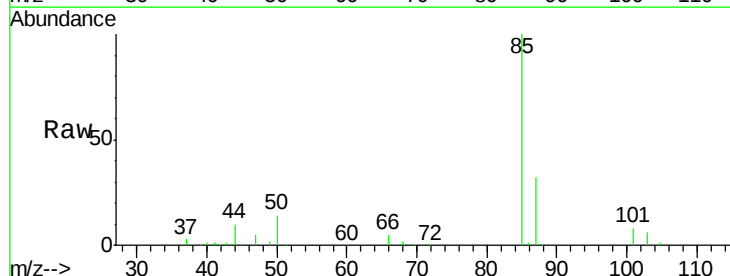
Manual Integrations
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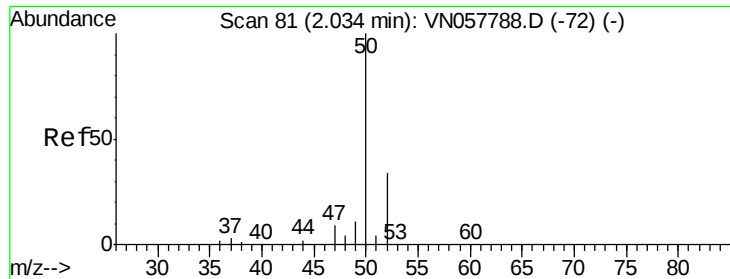
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#2
Dichlorodifluoromethane
Concen: 20.547 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.4	49.4





#3

Chloromethane

Concen: 17.636 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 97792

Ion Ratio Lower Upper

50 100

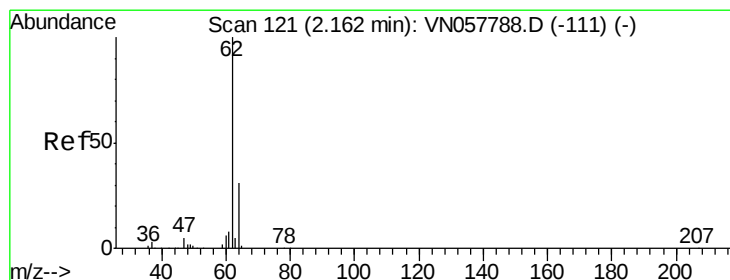
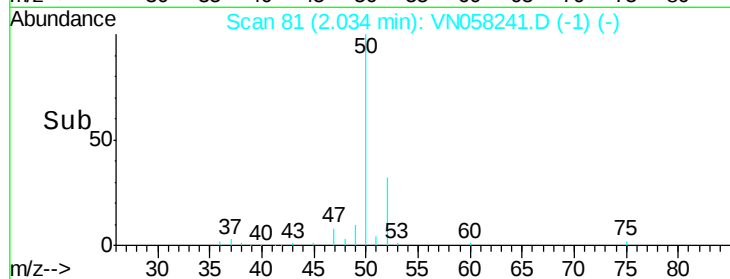
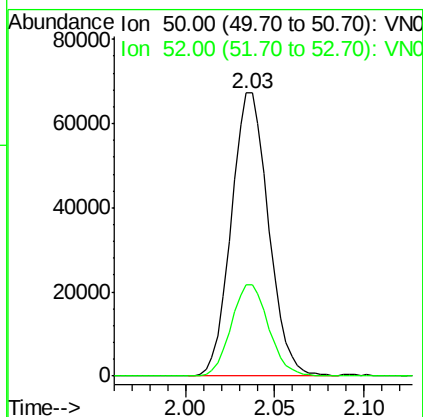
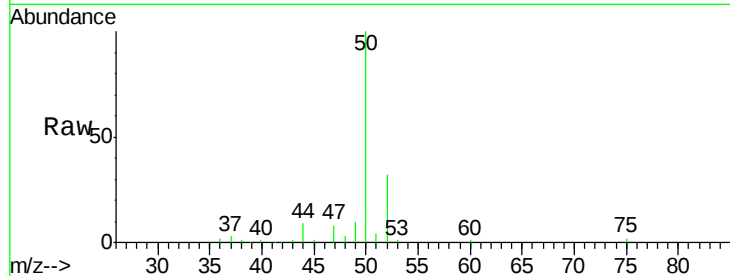
52 32.2 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.289 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058241.D

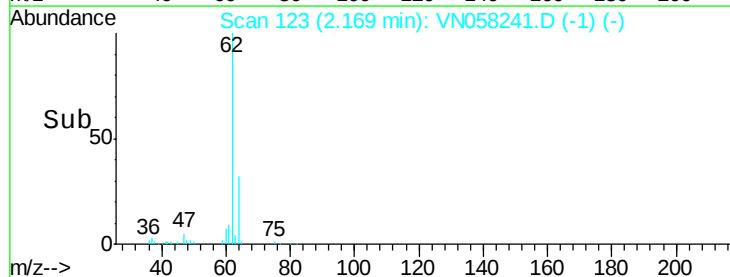
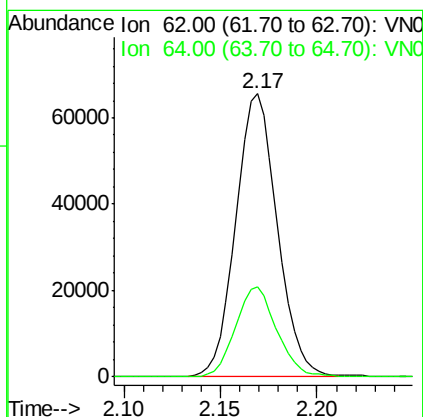
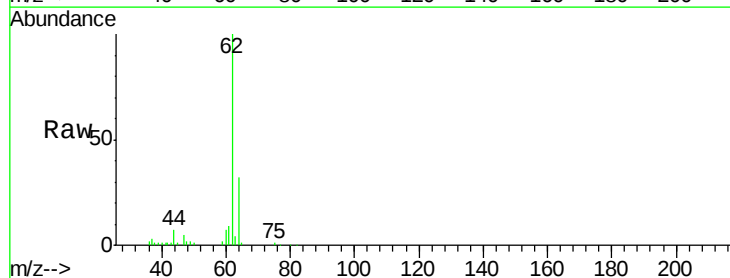
Acq: 20 Sep 2019 11:42

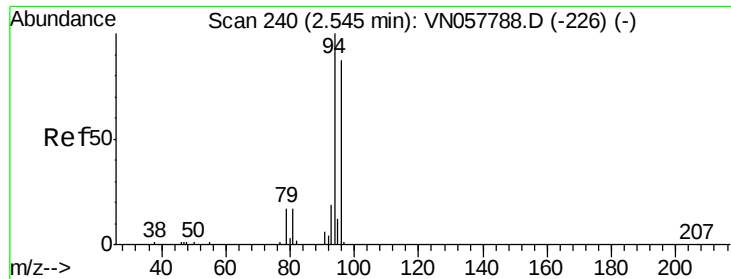
Tgt Ion: 62 Resp: 98087

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.6





#5

Bromomethane

Concen: 13.650 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 48329

Ion Ratio Lower Upper

94 100

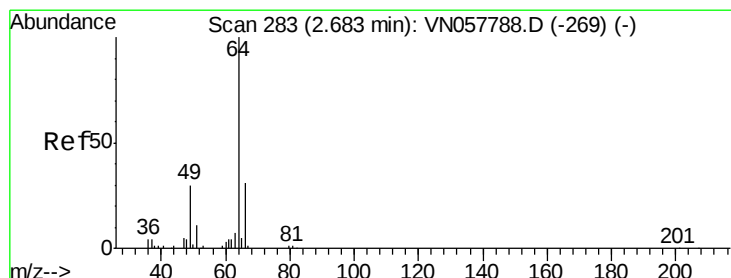
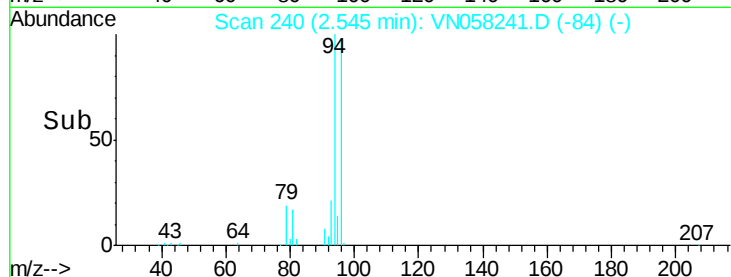
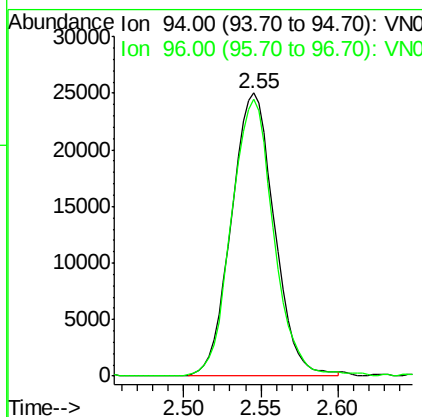
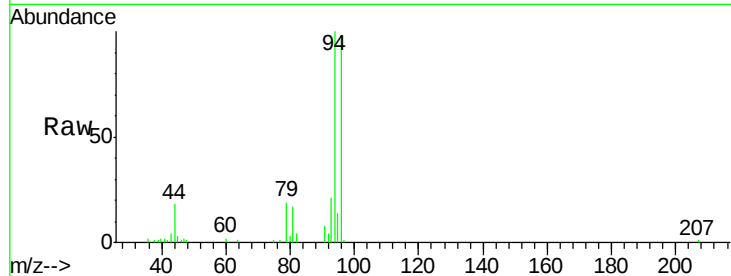
96 97.1 69.2 103.8

Manual Integrations

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#6

Chloroethane

Concen: 17.818 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058241.D

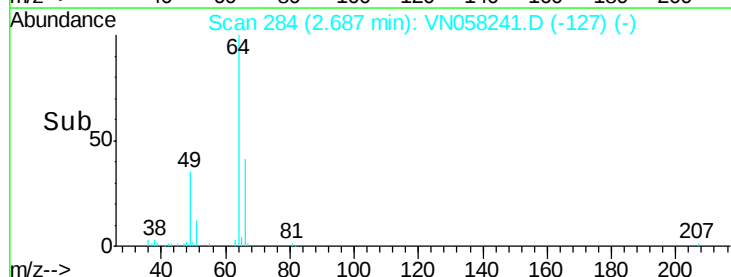
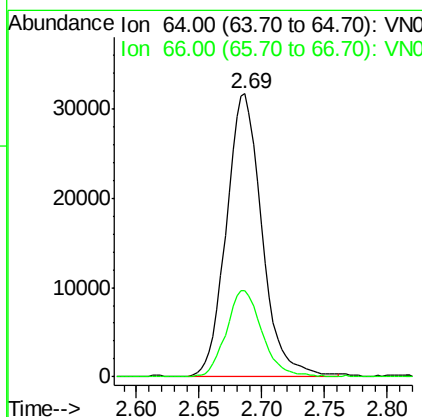
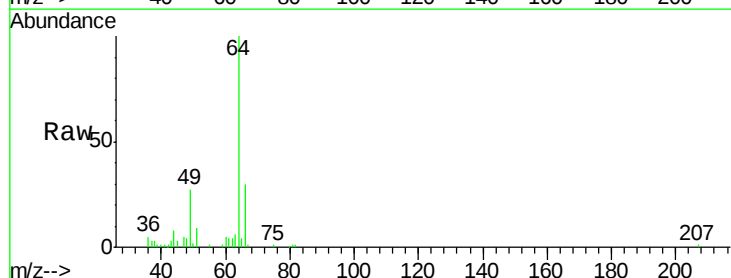
Acq: 20 Sep 2019 11:42

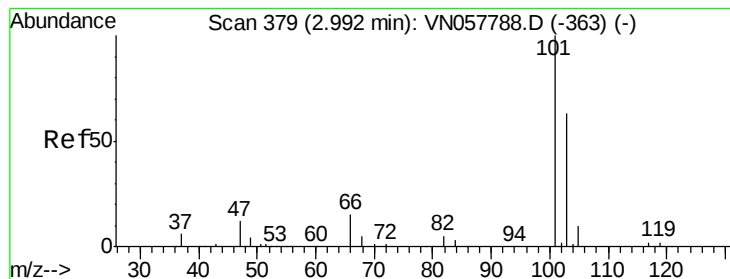
Tgt Ion: 64 Resp: 62823

Ion Ratio Lower Upper

64 100

66 30.4 24.4 36.6





#7

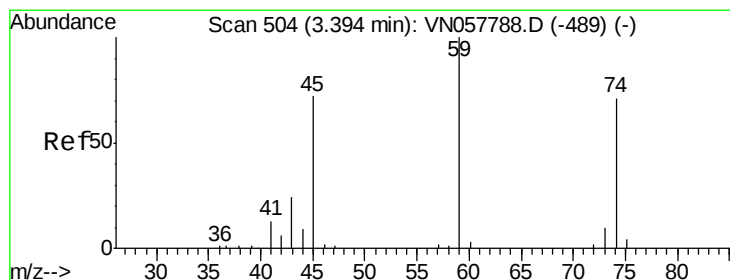
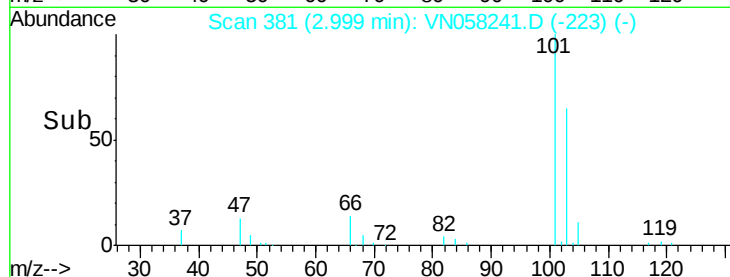
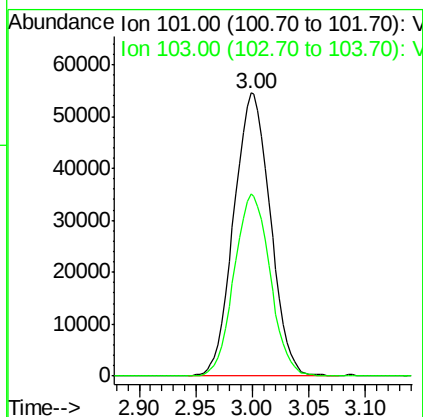
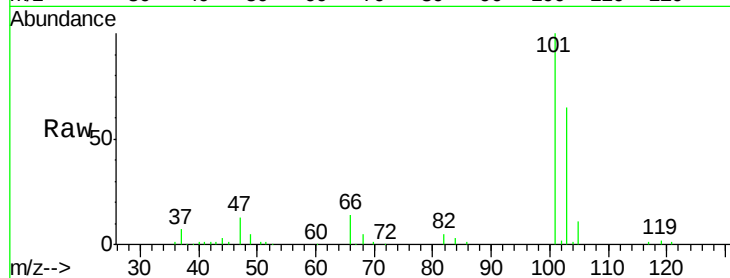
Trichlorofluoromethane
 Concen: 18.715 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		122666		
103	64.6	50.2			75.2

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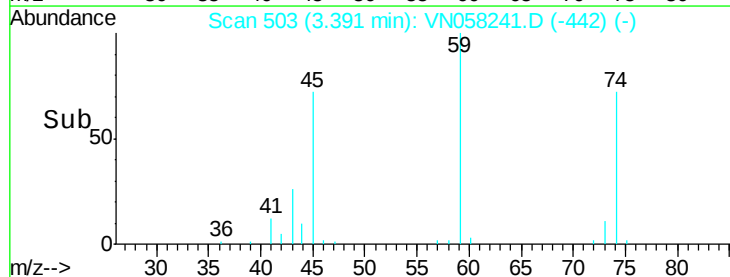
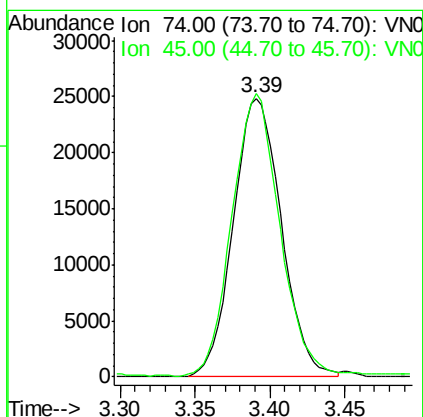
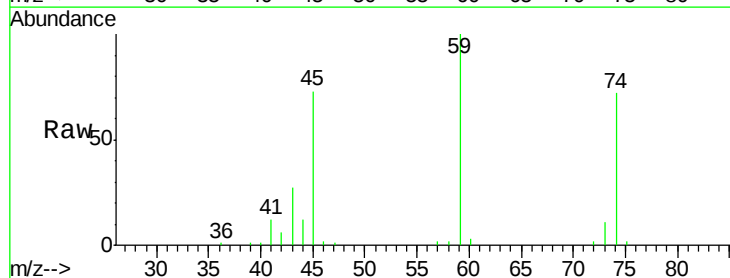
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 9/23/2019 3:29:47 PM

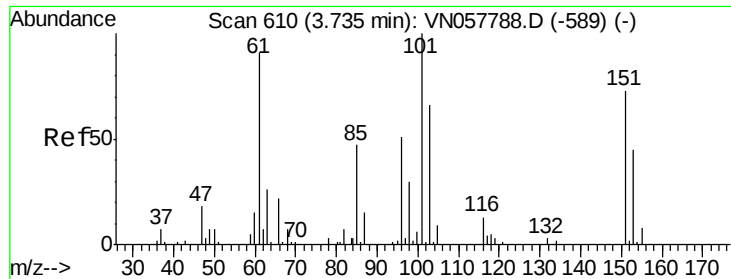


#8

Diethyl Ether
 Concen: 21.073 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		55722		
45	101.6	20.3			182.5





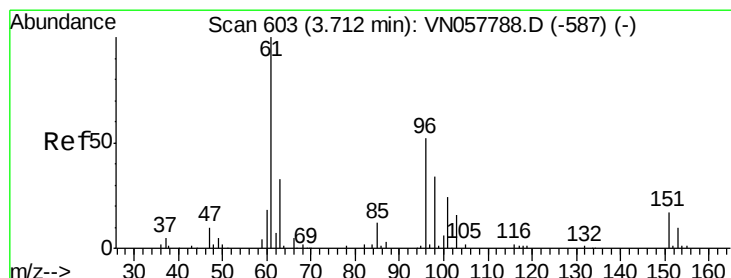
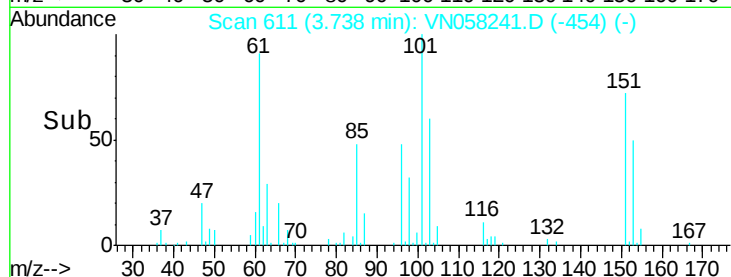
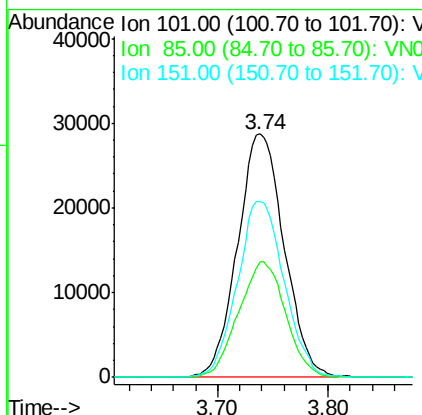
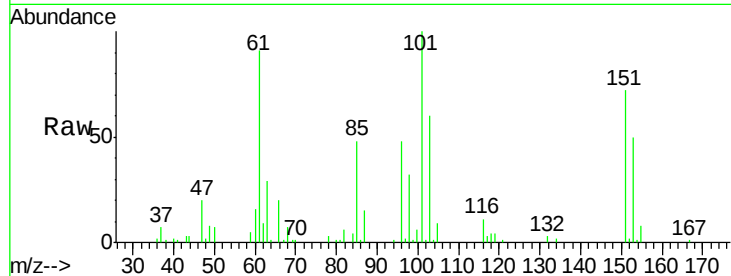
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.518 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.7	0.0	94.0
151	72.9	0.0	144.4

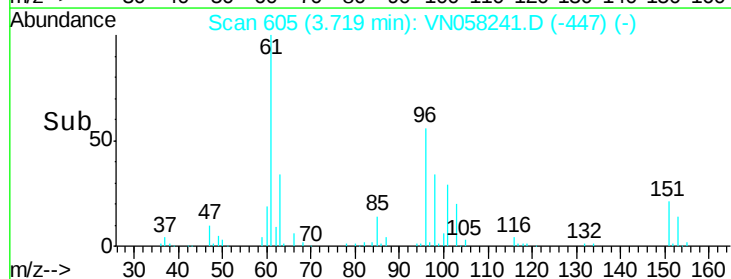
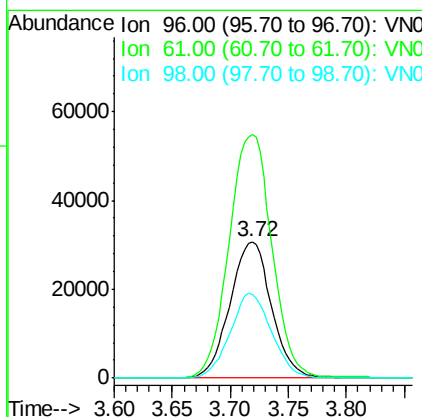
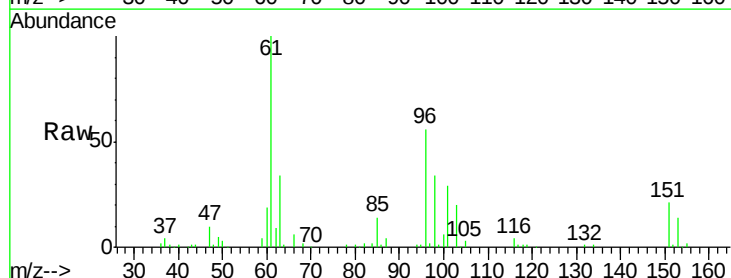
Manual Integrations
 APPROVED

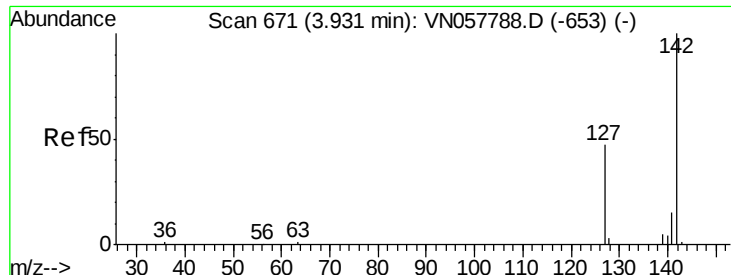
MMDadoda
 9/23/2019 3:29:47 PM



#10
 1,1-Dichloroethene
 Concen: 19.597 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.2	153.4	230.0
98	61.3	51.5	77.3





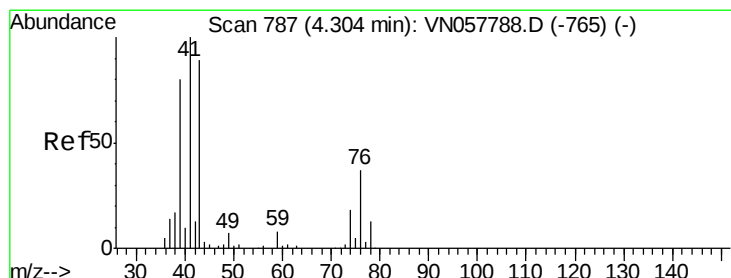
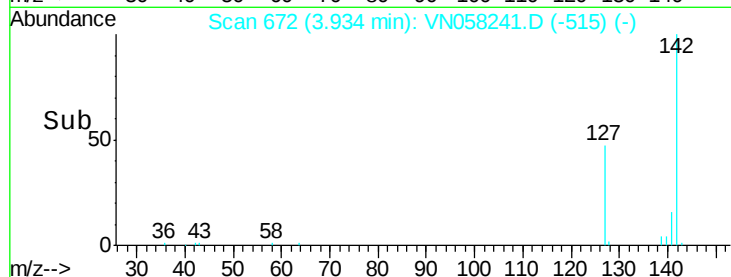
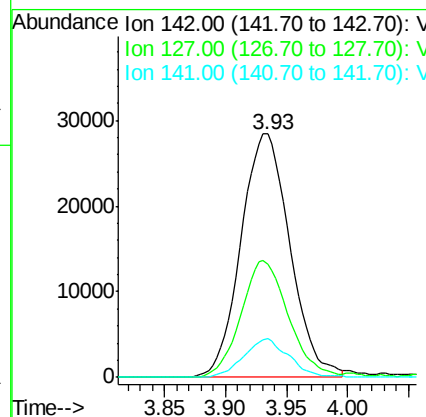
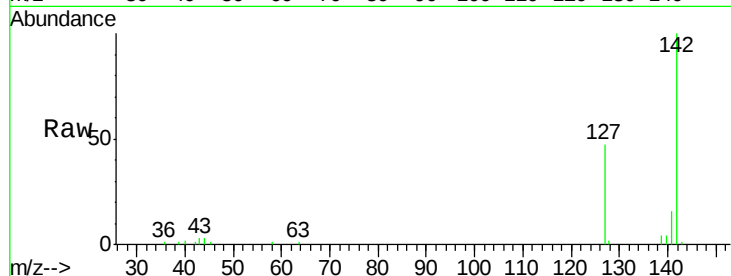
#11
Methvl Iodide
Concen: 15.211 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.6	23.3	69.8
141	15.6	7.5	22.6

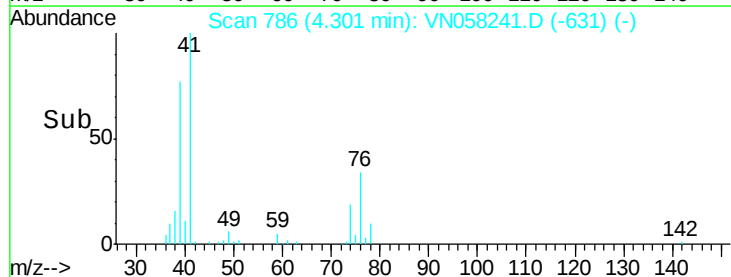
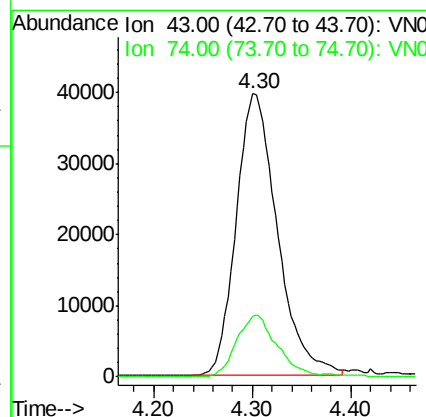
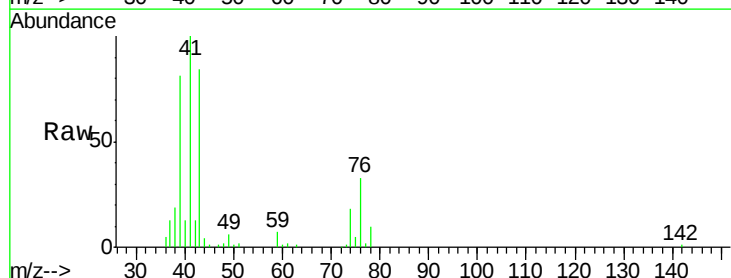
Manual Integrations
APPROVED

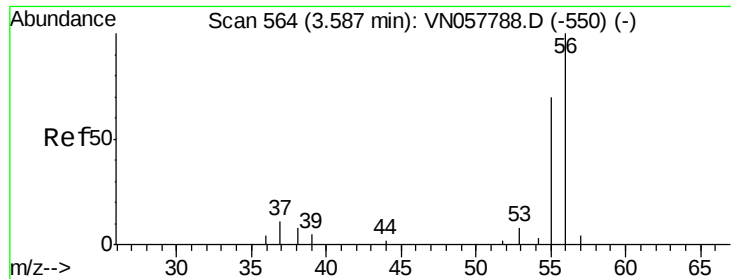
MMDadoda
9/23/2019 3:29:47 PM



#12
Methyl Acetate
Concen: 21.530 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.2	24.4





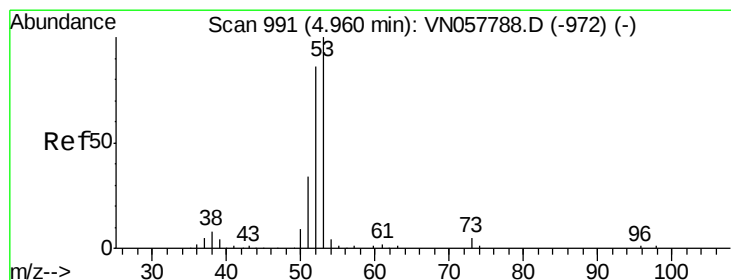
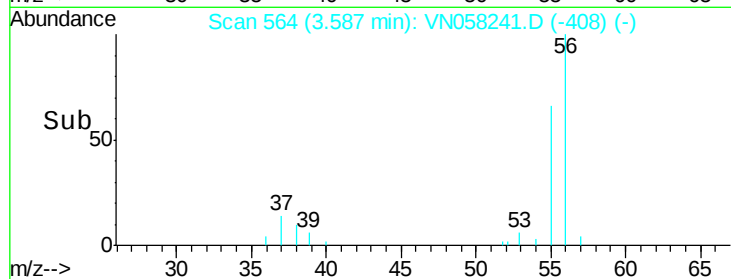
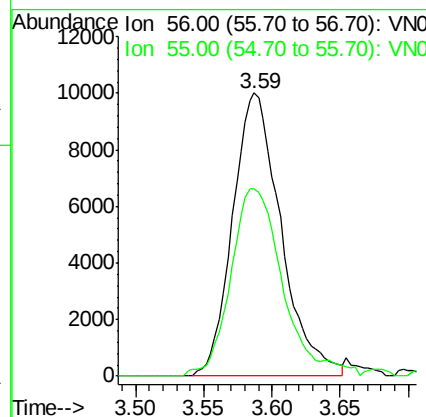
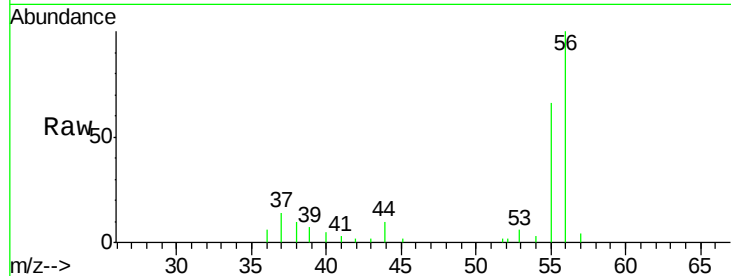
#13
Acrolein
Concen: 84.934 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 56 Resp: 24613
Ion Ratio Lower Upper
56 100
55 62.9 59.0 88.4

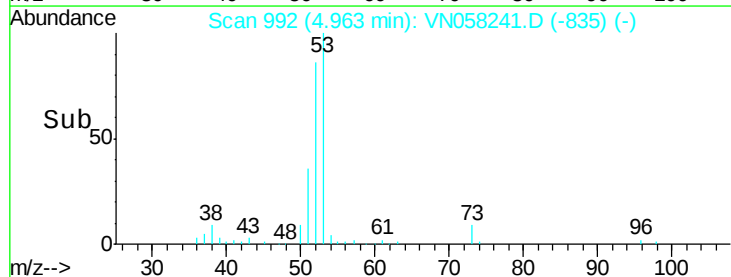
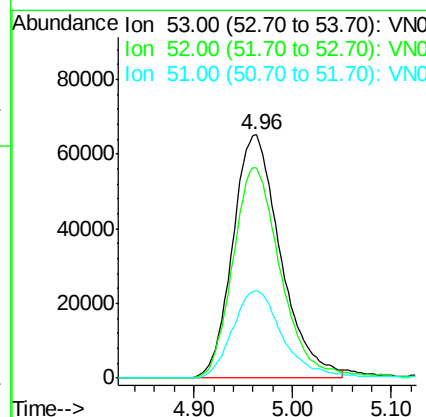
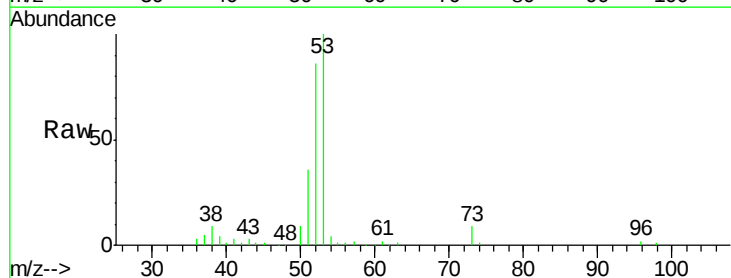
Manual Integrations
APPROVED

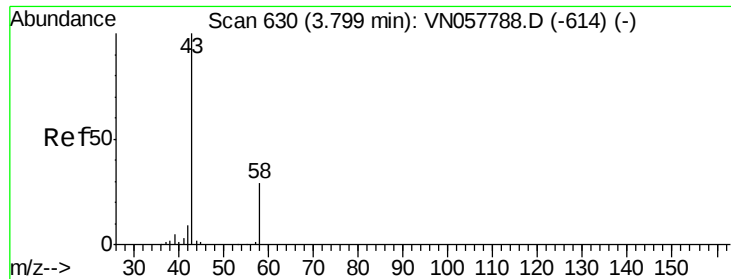
MMDadoda
9/23/2019 3:29:47 PM



#14
Acrylonitrile
Concen: 100.846 ug/l
RT: 4.96 min Scan# 992
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion: 53 Resp: 219575
Ion Ratio Lower Upper
53 100
52 86.0 41.0 123.0
51 37.6 8.6 25.8#





#15

Acetone

Concen: 87.270 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 53945

Ion Ratio Lower Upper

58 100

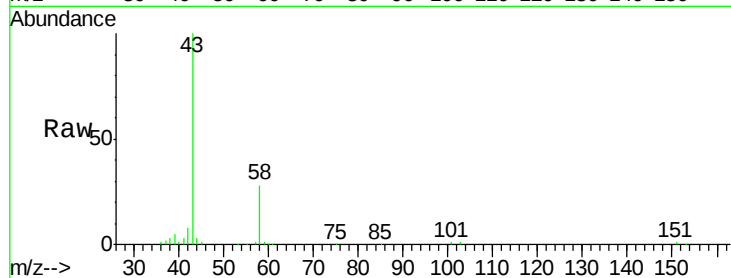
43 349.3 277.7 416.5

Manual Integrations

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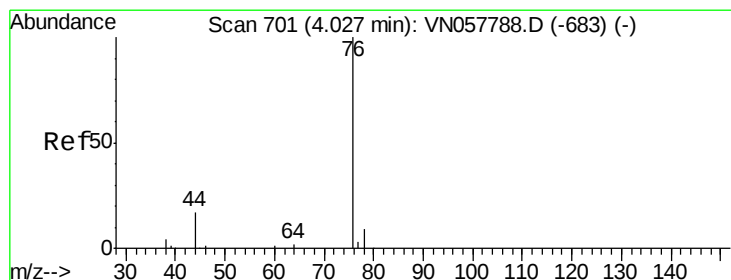
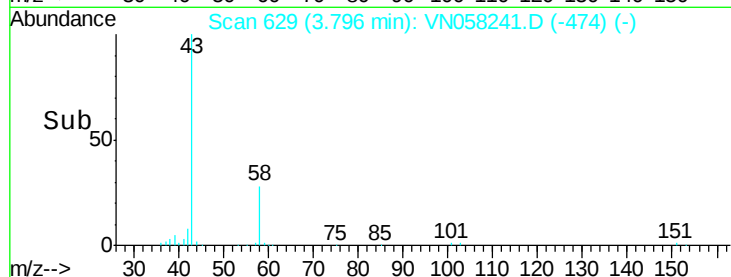
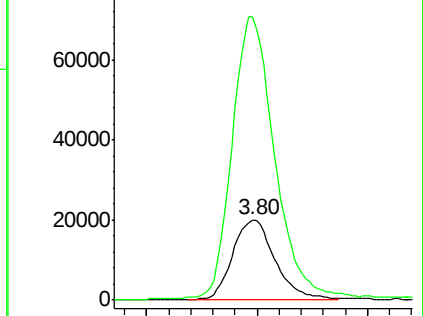
MMDadoda

9/23/2019 3:29:47 PM



Abundance Ion 58.00 (57.70 to 58.70): VN057788.D (-614) (-)

Ion 43.00 (42.70 to 43.70): VN057788.D (-614) (-)



#16

Carbon Disulfide

Concen: 17.713 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058241.D

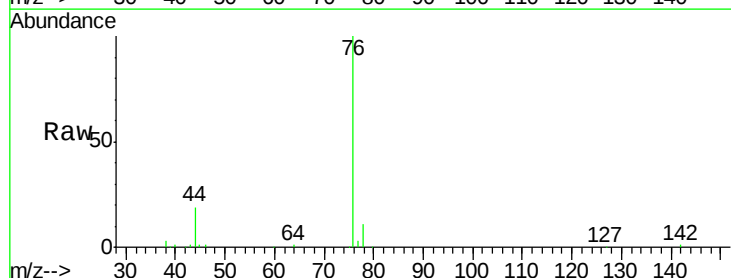
Acq: 20 Sep 2019 11:42

Tgt Ion: 76 Resp: 160531

Ion Ratio Lower Upper

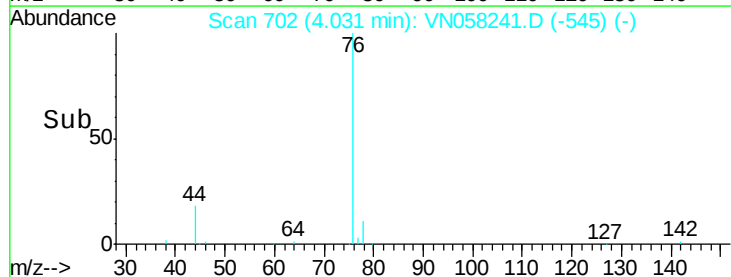
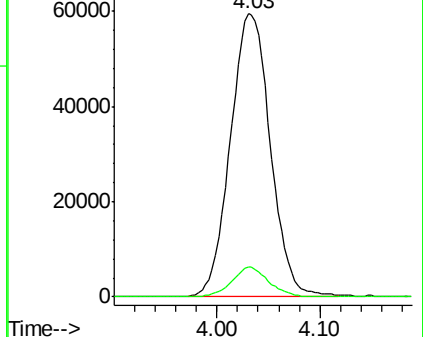
76 100

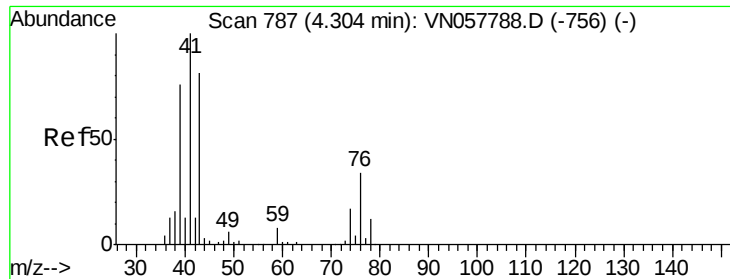
78 10.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057788.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN057788.D (-683) (-)





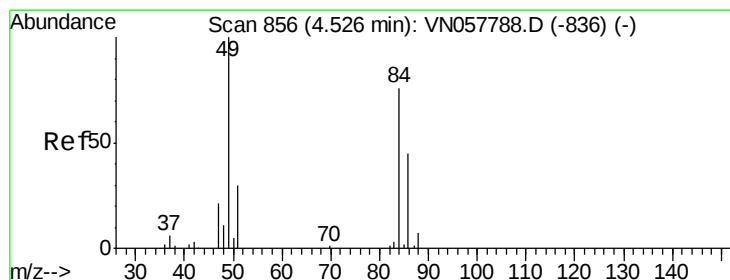
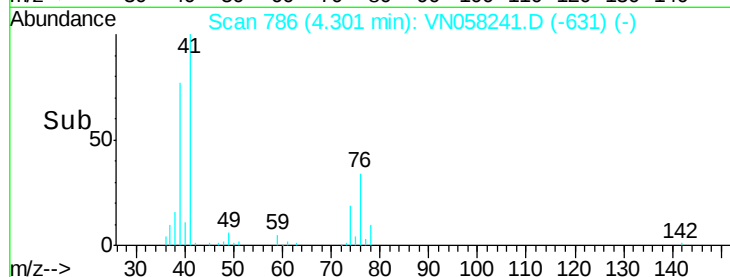
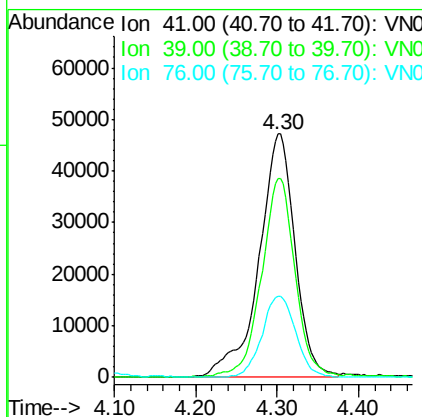
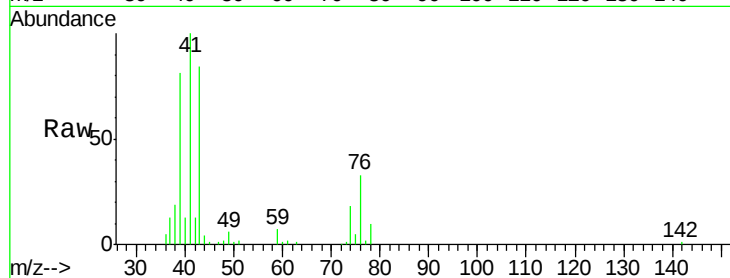
#17
Allvl chloride
Concen: 20.505 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	146236
Ion	Ratio	Lower	Upper
41	100		
39	81.4	38.5	115.3
76	33.3	17.2	51.6

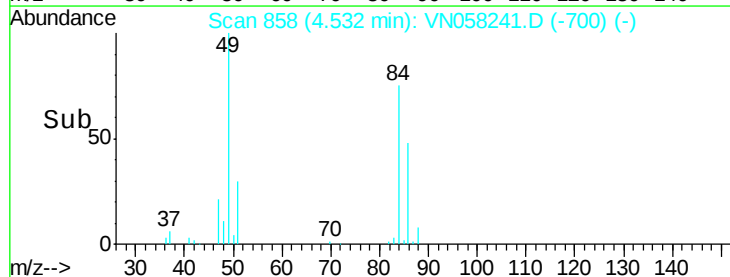
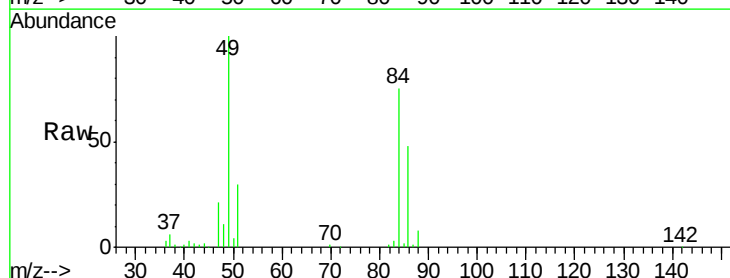
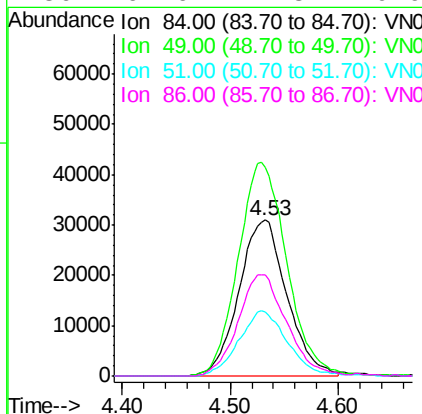
Manual Integrations
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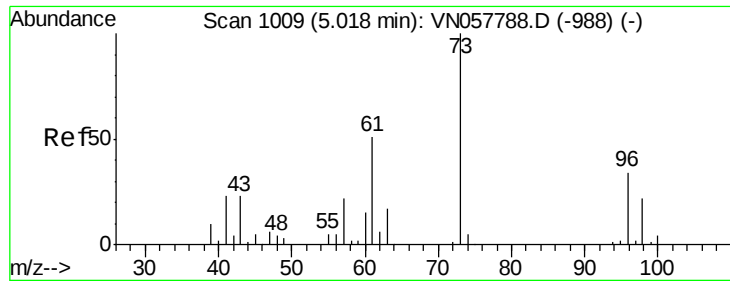
MMDadoda
9/23/2019 3:29:47 PM



#18
Methylene Chloride
Concen: 19.509 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion:	84	Resp:	95679
Ion	Ratio	Lower	Upper
84	100		
49	133.6	105.4	158.2
51	40.7	31.3	46.9
86	64.6	47.3	70.9





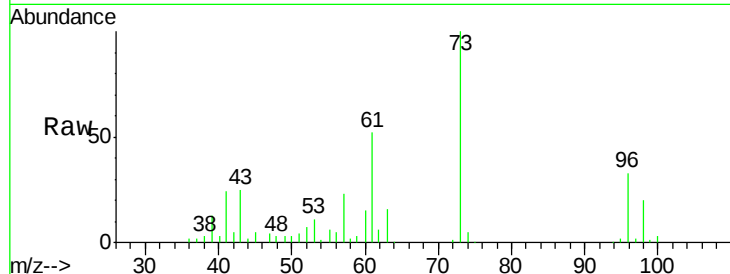
#19
trans-1,2-Dichloroethene
Concen: 19.691 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.2	121.0	181.6
98	61.4	52.7	79.1

Manual Integrations
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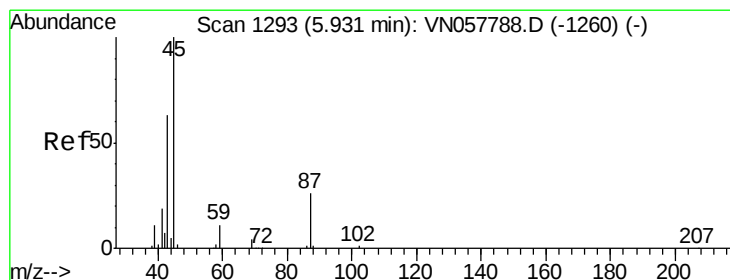
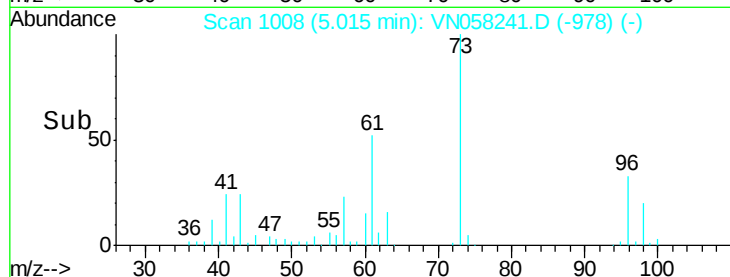
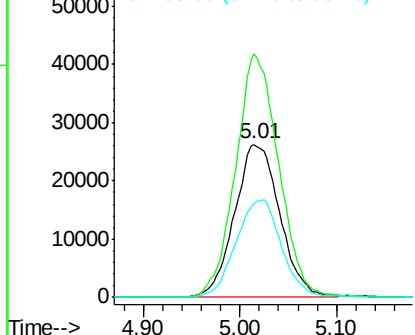


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 19.968 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.6	55.2	82.8
87	26.1	21.3	31.9
59	10.7	9.1	13.7

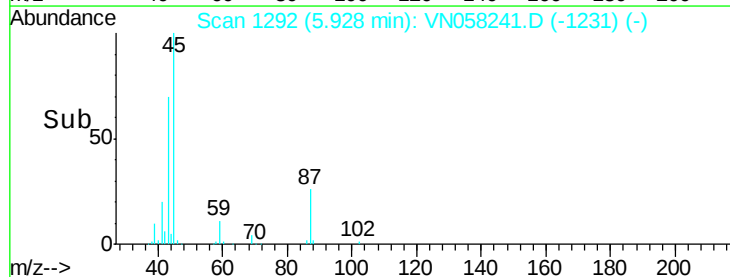
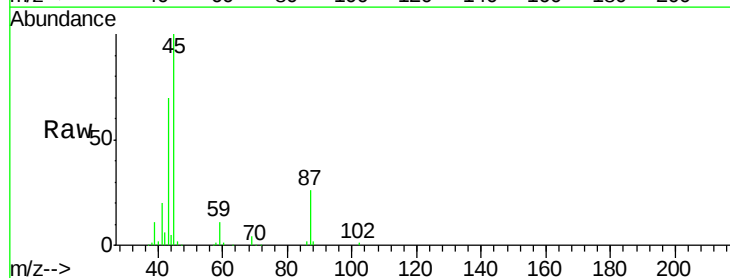
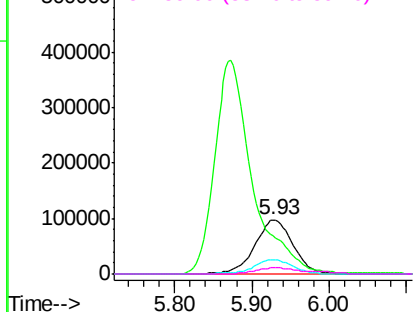
Abundance

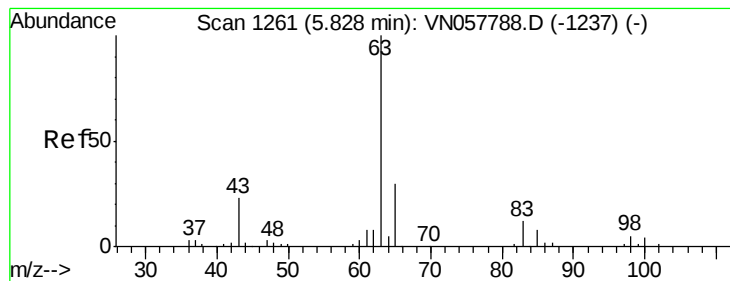
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.548 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

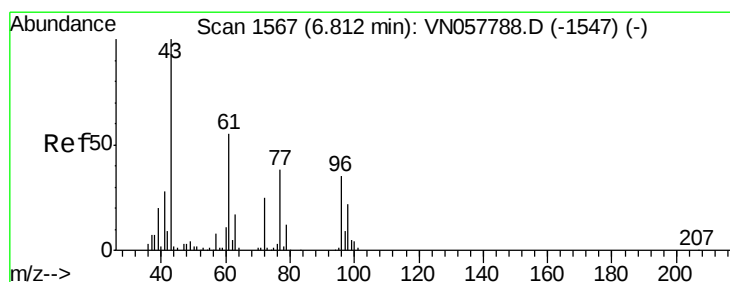
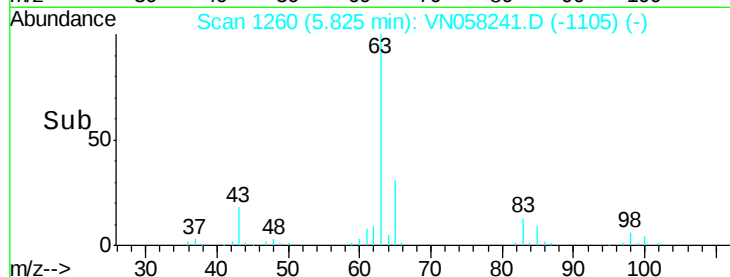
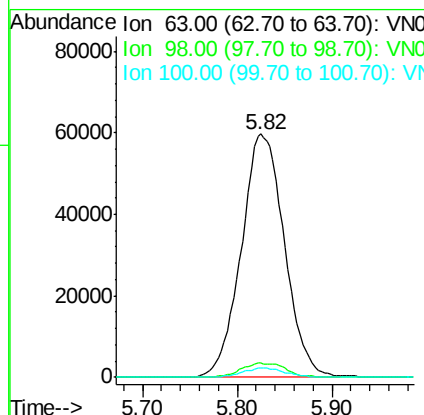
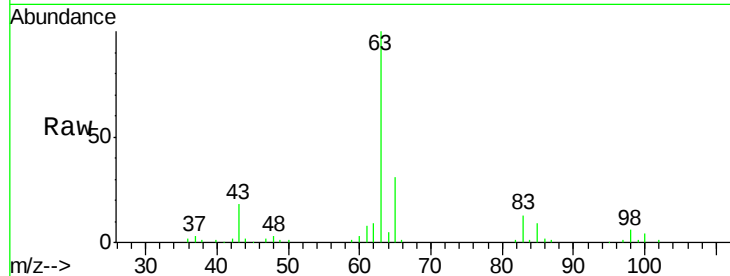
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	188904
Ion Ratio		Lower	Upper
63	100		
98	5.8	2.8	8.3
100	3.8	1.8	5.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.754 ug/l

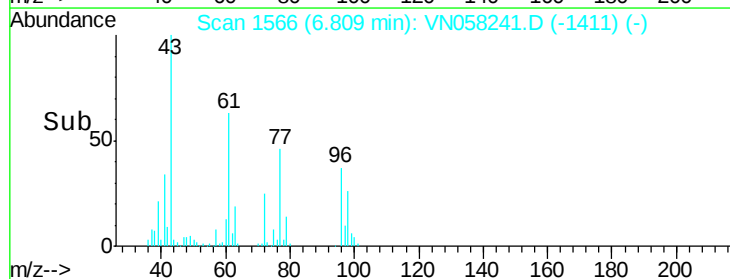
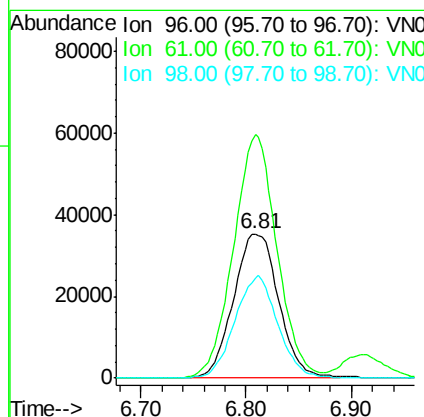
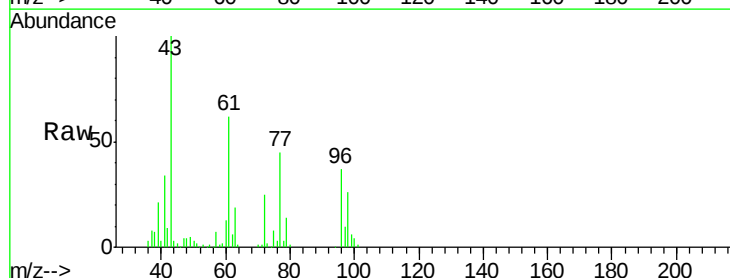
RT: 6.81 min Scan# 1566

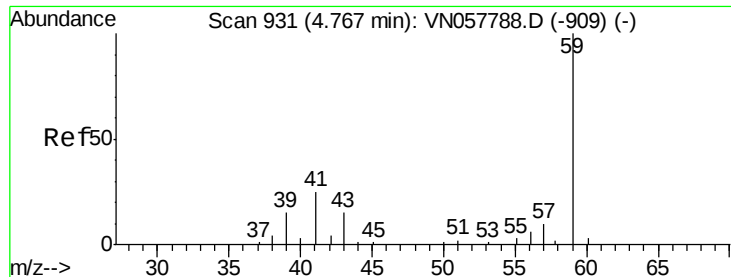
Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Tgt Ion:	96	Resp:	104989
Ion Ratio		Lower	Upper
96	100		
61	162.3	127.4	191.0
98	67.2	51.5	77.3





#23

tert-Butyl Alcohol

Concen: 95.547 ug/l

RT: 4.76 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDC0020EC

Tot Ion: 59 Resp: 67916

Ion Ratio Lower Upper

59 100

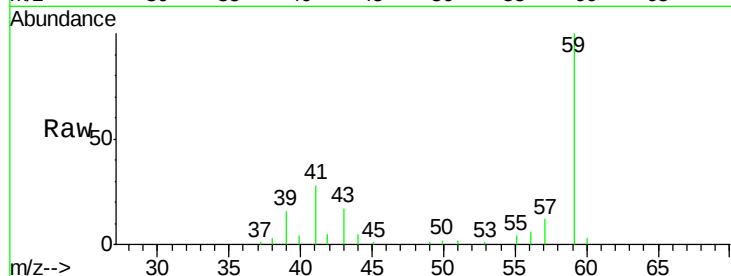
52 0.0 0.0 0.0

Manual Integrations

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Abundance Ion 59.00 (58.70 to 59.70): VN057788.D (-909) (-)

Ion 52.00 (51.70 to 52.70): VN057788.D (-909) (-)

25000

20000

15000

10000

5000

0

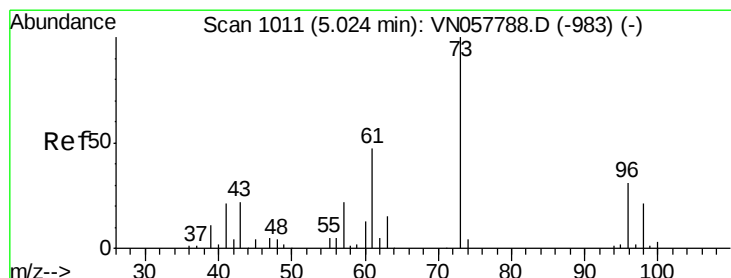
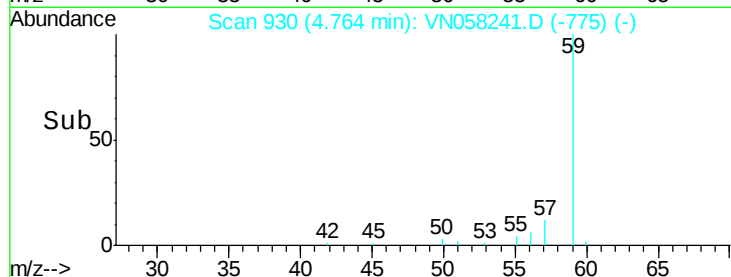
4.60

4.70

4.80

4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 19.968 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VN058241.D

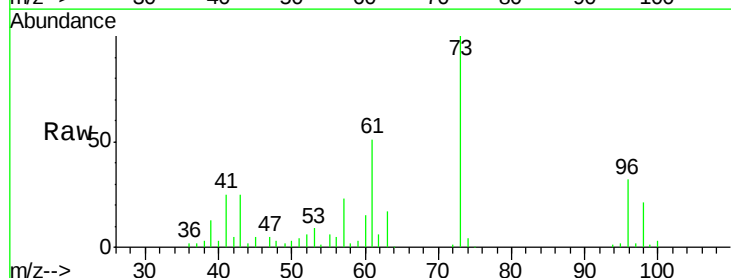
Acq: 20 Sep 2019 11:42

Tgt Ion: 73 Resp: 297876

Ion Ratio Lower Upper

73 100

43 24.3 0.0 0.0#



Abundance Ion 73.00 (72.70 to 73.70): VN057788.D (-983) (-)

Ion 43.00 (42.70 to 43.70): VN057788.D (-983) (-)

80000

60000

40000

20000

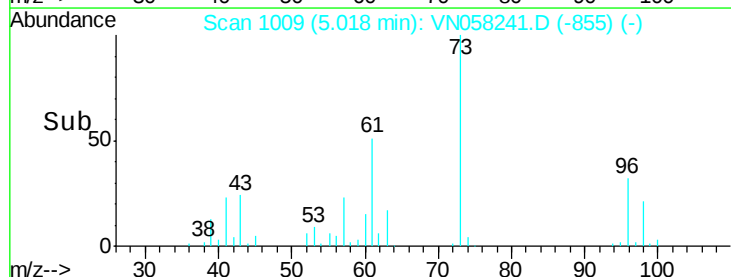
0

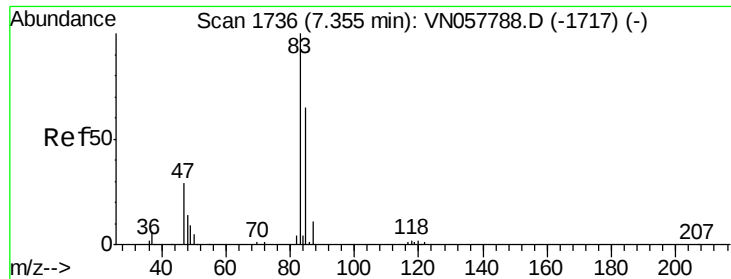
4.90

5.00

5.10

Time-->





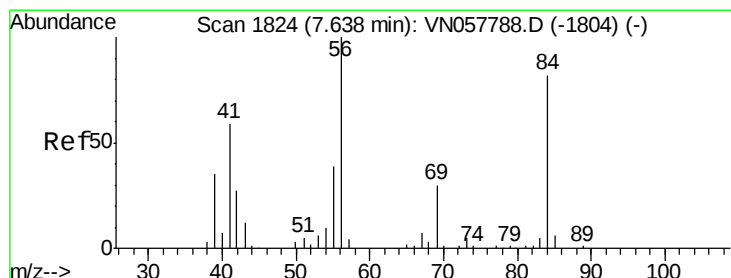
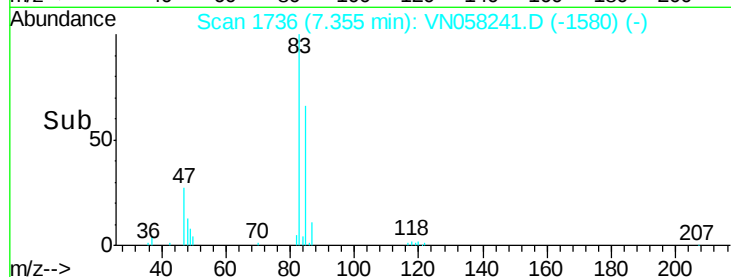
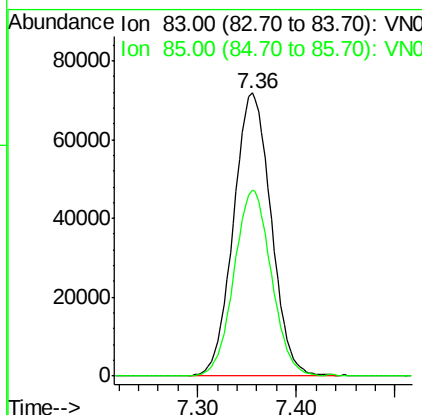
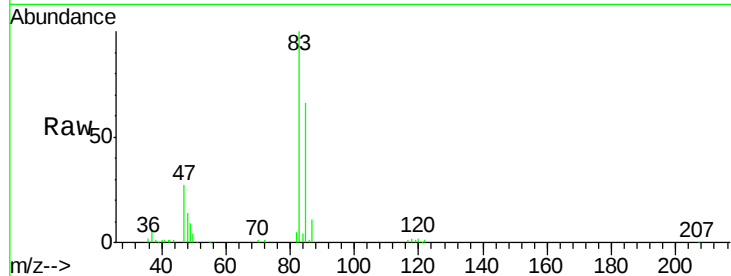
#25
Chloroform
Concen: 20.289 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	189891
Ion Ratio	100	Lower	Upper
85	65.7	51.8	77.6

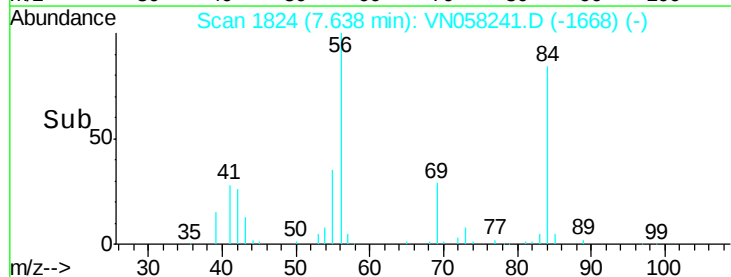
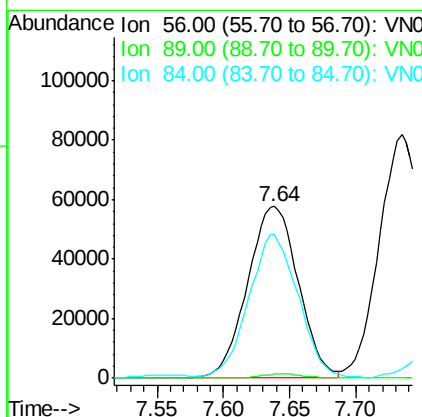
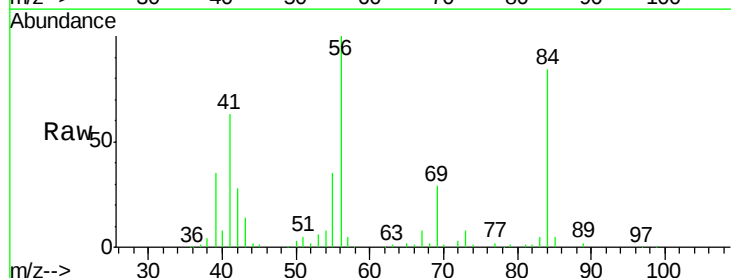
Manual Integrations
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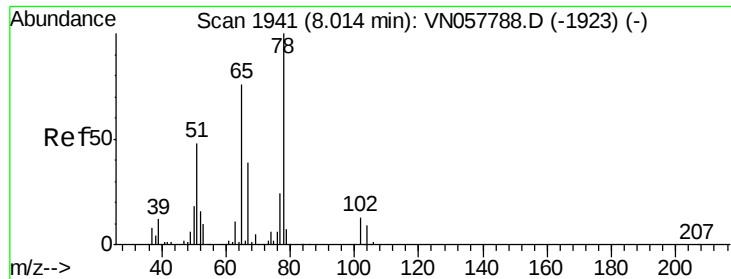
MMDadoda
9/23/2019 3:29:47 PM



#26
Cyclohexane
Concen: 19.991 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	56	Resp	154413
Ion Ratio	100	Lower	Upper
89	2.0	0.3	0.5#
84	80.0	66.6	100.0





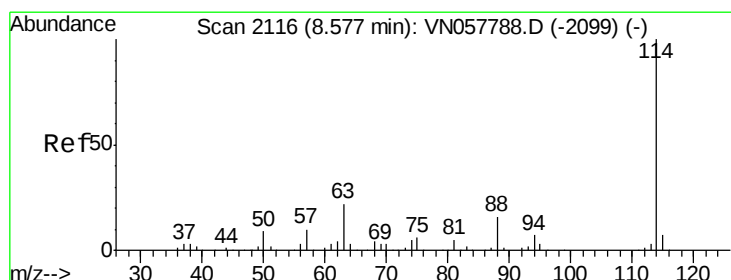
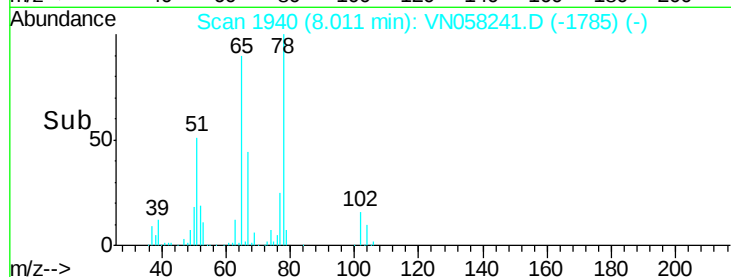
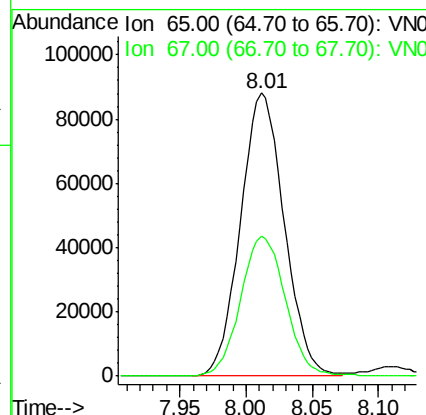
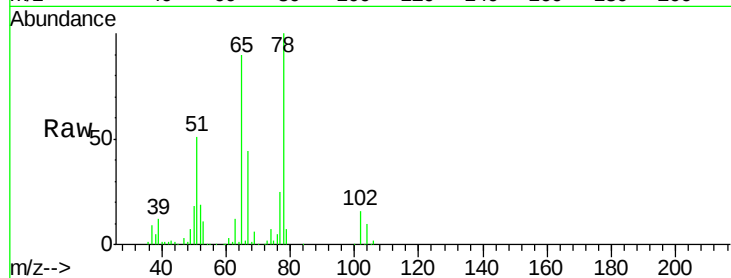
#27
 1,2-Dichloroethane-d4
 Concen: 31.079 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	40.9	61.3

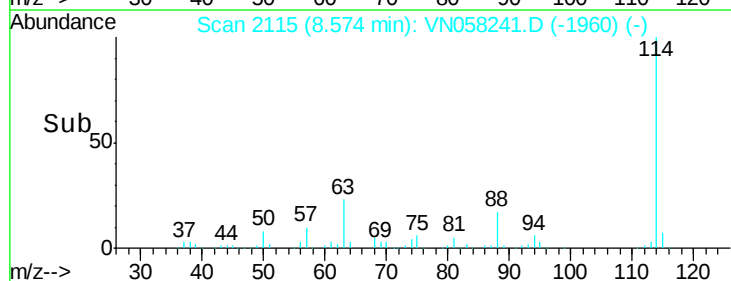
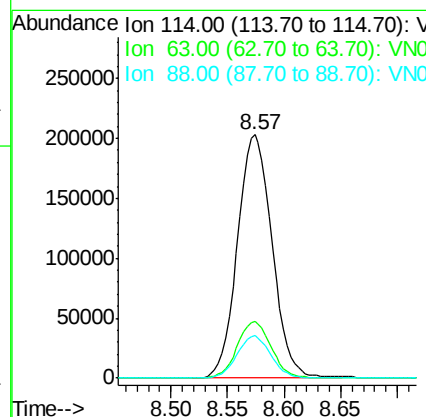
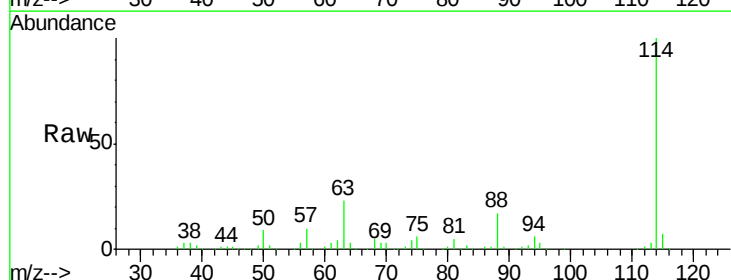
Manual Integrations
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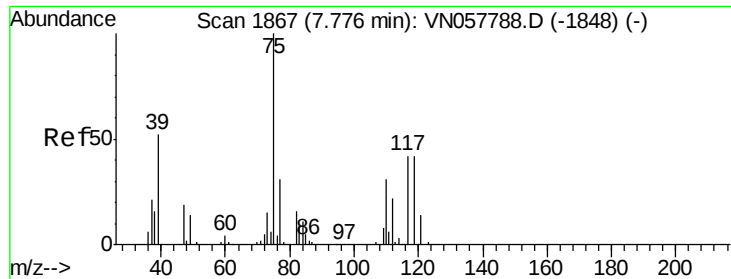
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	18.0	27.0
88	16.9	12.6	19.0





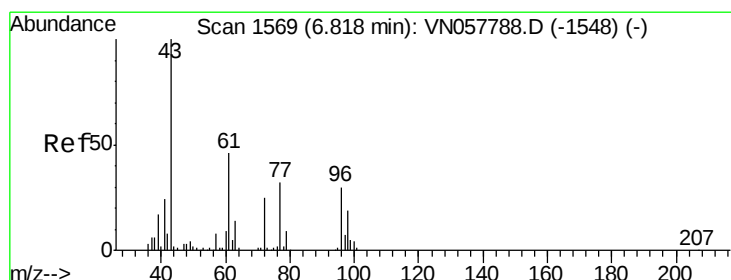
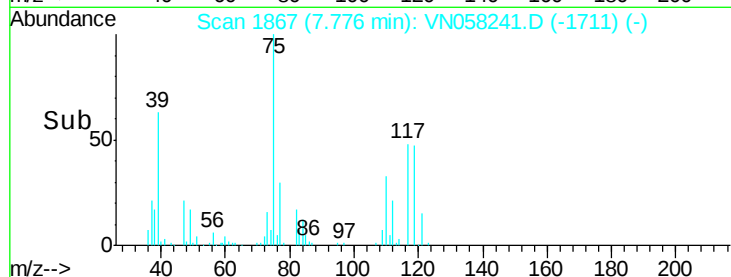
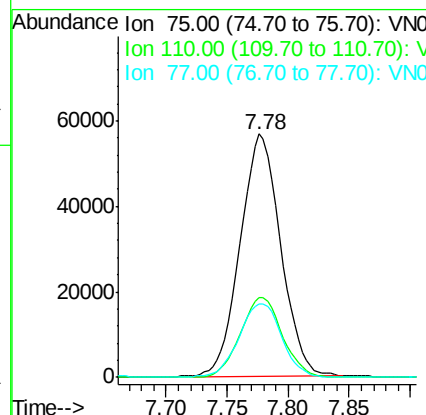
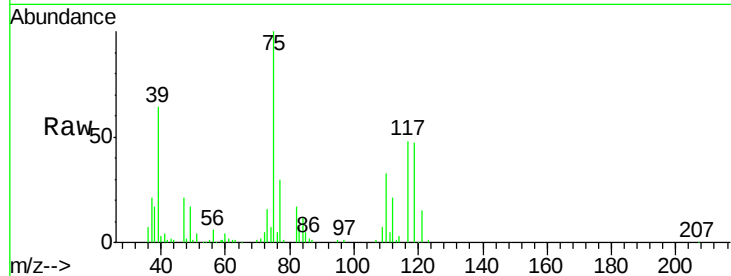
#29
 1,1-Dichloropropene
 Concen: 19.130 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.0	0.0	63.8
77	32.2	0.0	60.0

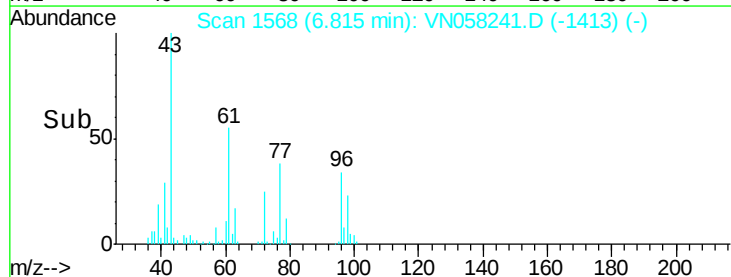
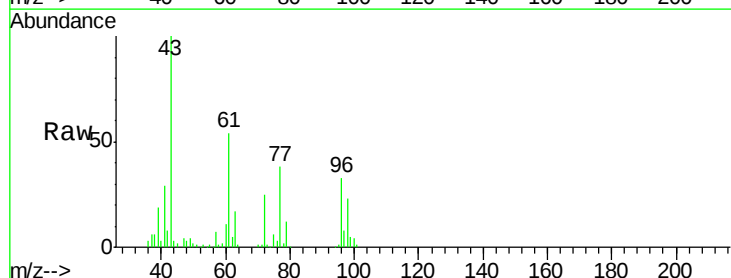
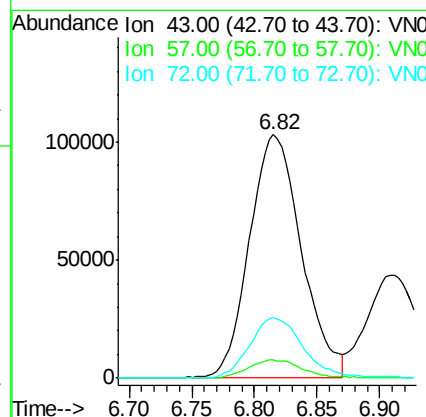
Manual Integrations
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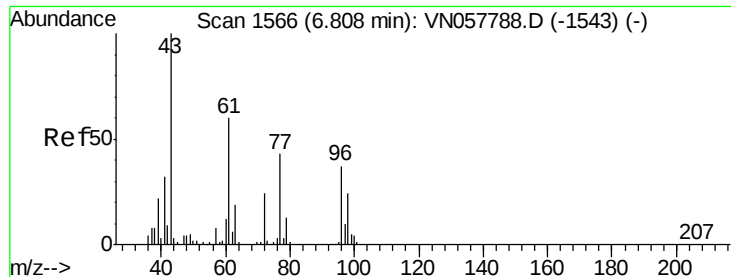
MMDadoda
 9/23/2019 3:29:47 PM



#30
 2-Butanone
 Concen: 96.009 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.8	6.4	9.6
72	25.7	20.3	30.5





#31

2,2-Dichloropropane

Concen: 19.987 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 143900

Ion Ratio Lower Upper

77 100

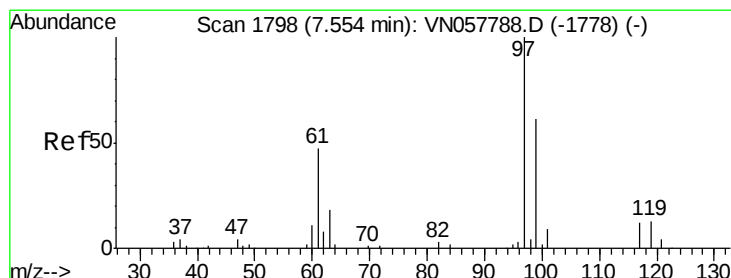
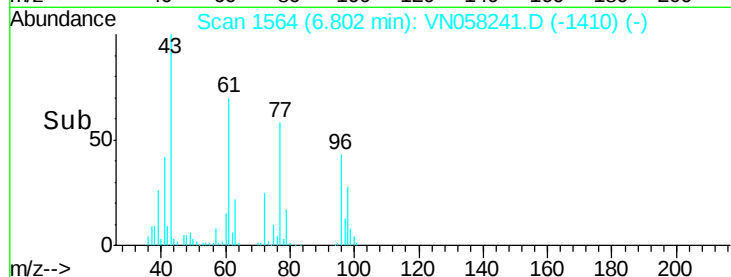
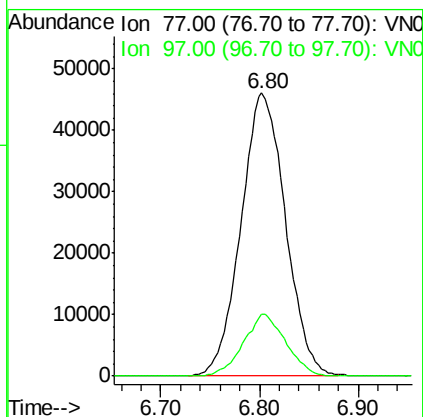
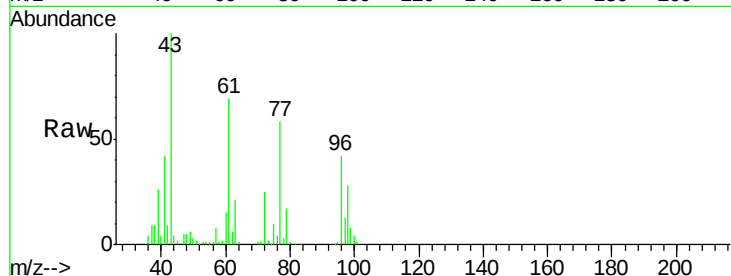
97 20.8 17.7 26.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.782 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

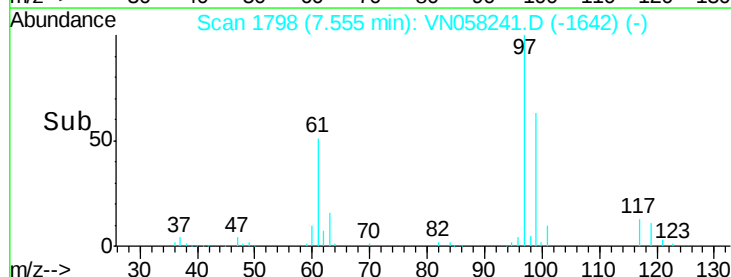
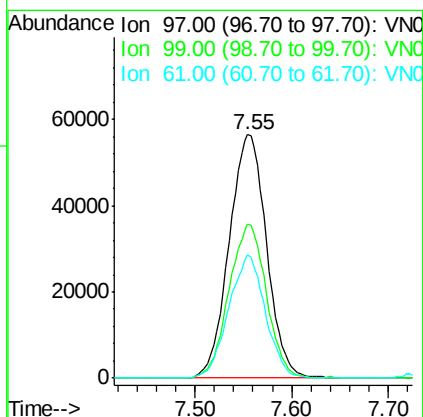
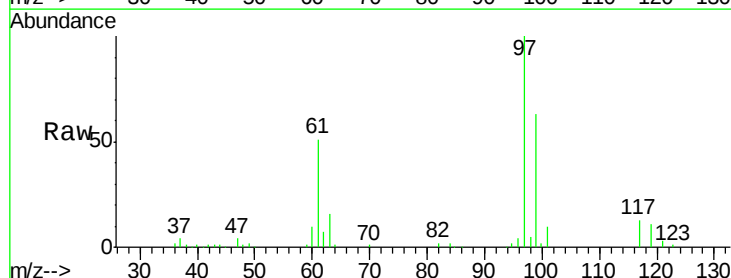
Tgt Ion: 97 Resp: 151676

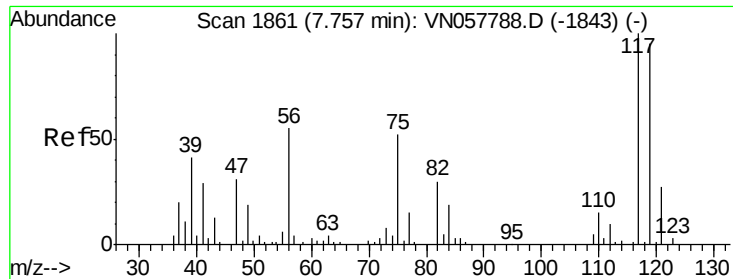
Ion Ratio Lower Upper

97 100

99 63.0 49.8 74.8

61 49.4 38.7 58.1





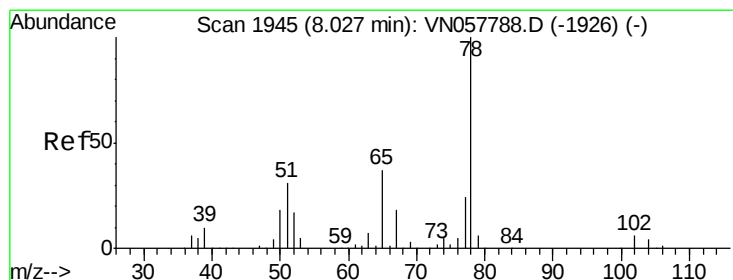
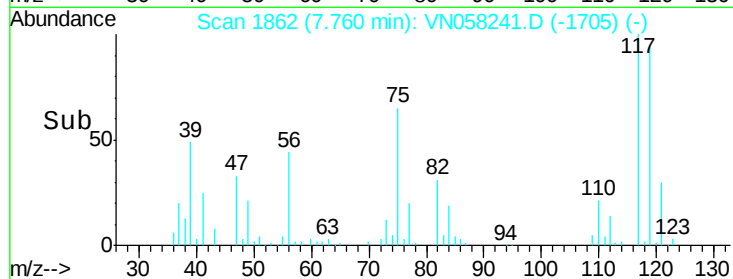
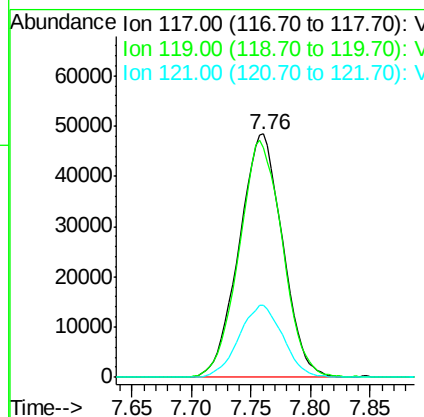
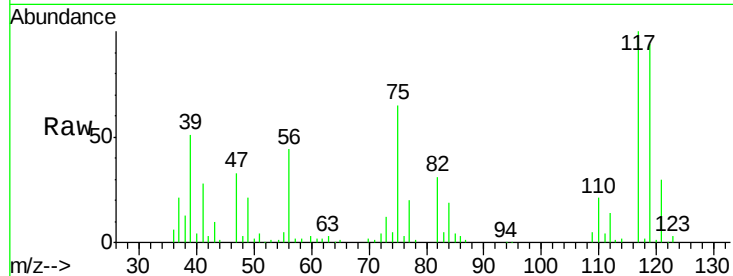
#33
Carbon Tetrachloride
Concen: 19.578 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.7	113.5
121	29.9	21.7	32.5

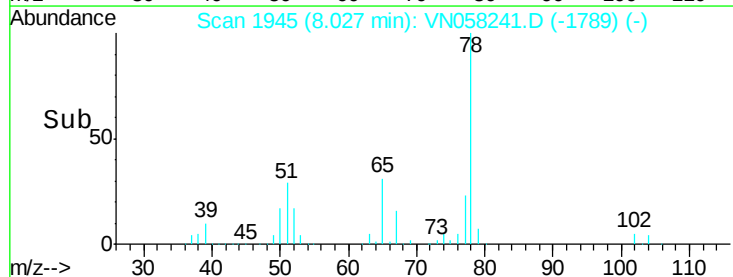
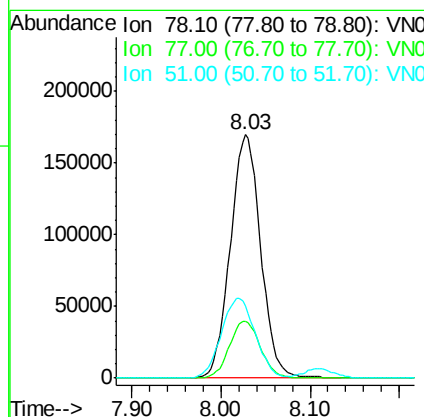
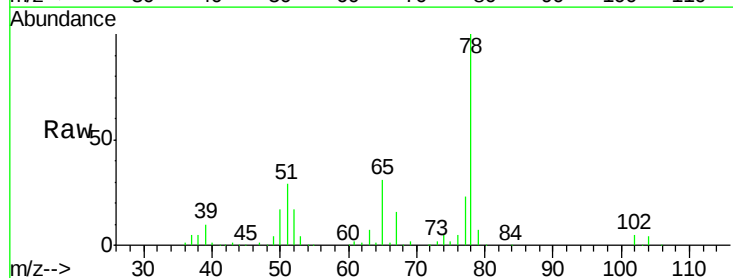
Manual Integrations
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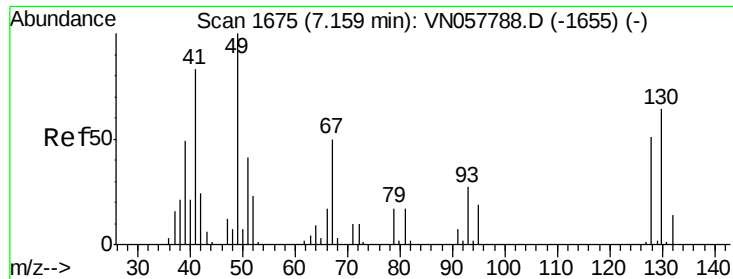
MMDadoda
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#34
Benzene
Concen: 19.862 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8
51	29.2	24.9	37.3





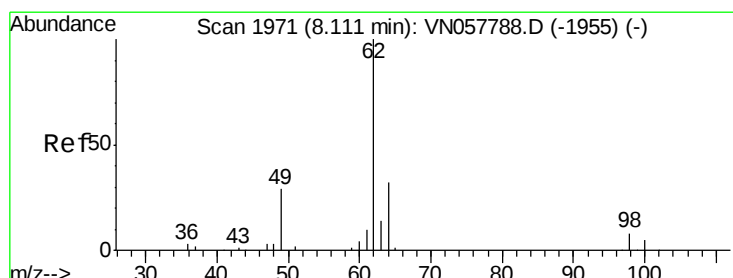
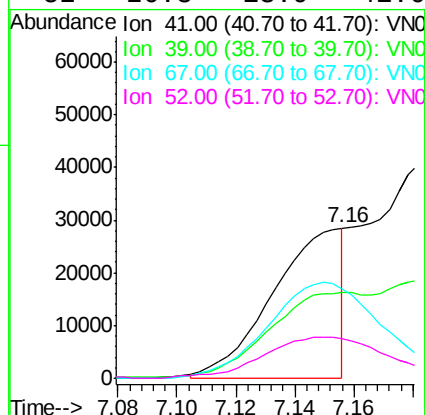
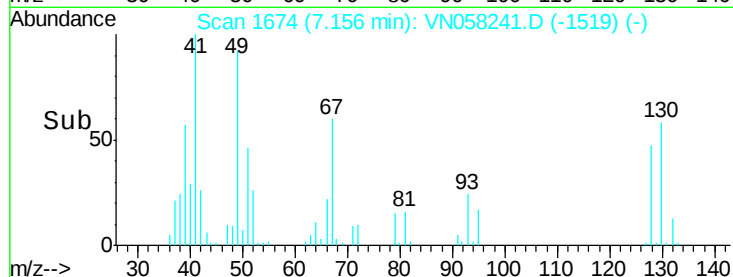
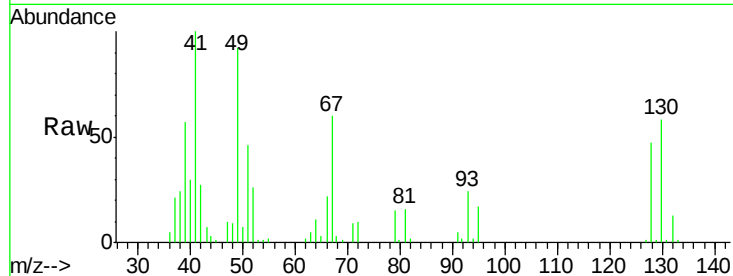
#35
Methacrylonitrile
Concen: 16.575 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	29.8	89.5	
67	60.1	30.0	90.1	
52	26.3	13.9	41.6	

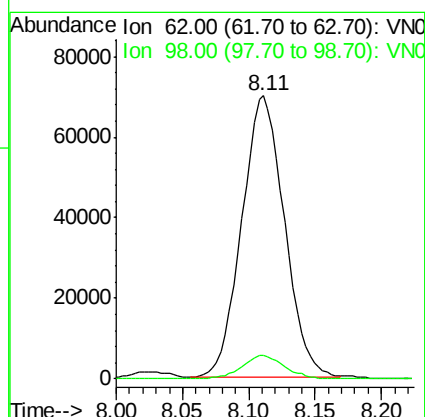
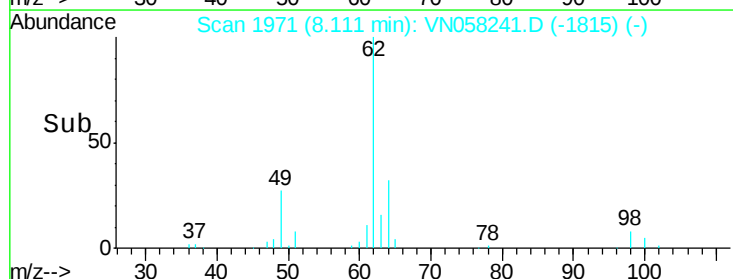
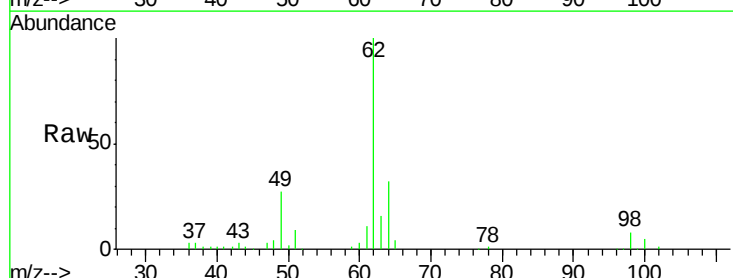
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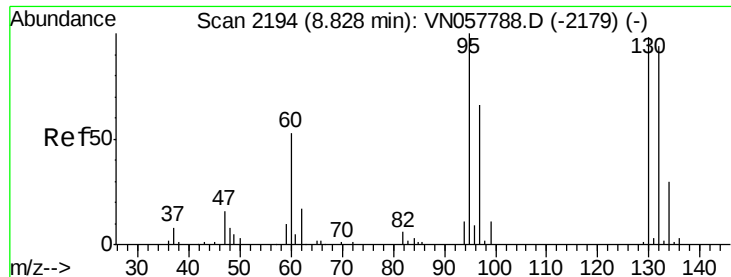
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#36
1,2-Dichloroethane
Concen: 19.962 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	6.6	9.8	





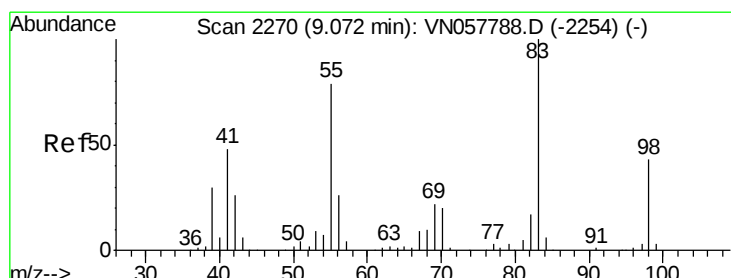
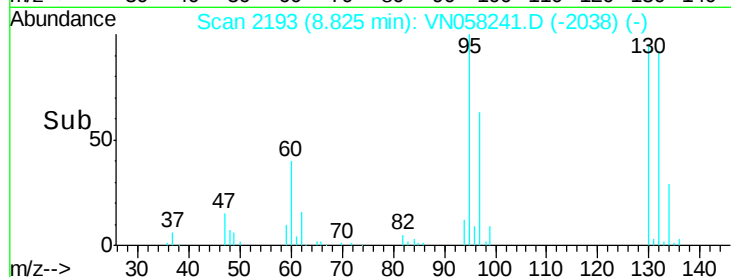
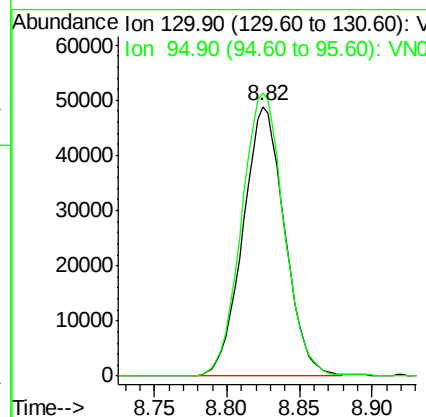
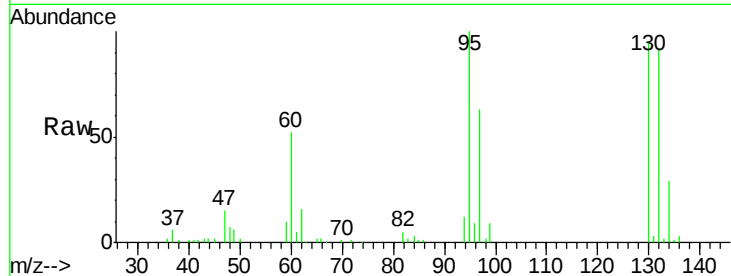
#37
 Trichloroethene
 Concen: 19.887 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 97599
 Ion Ratio Lower Upper
 130 100
 95 104.9 81.9 122.9

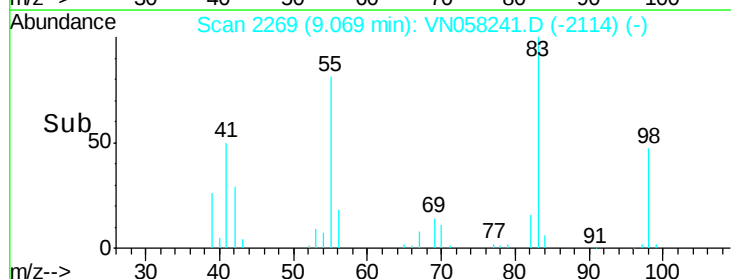
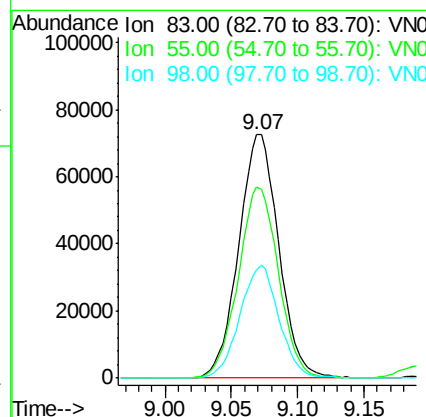
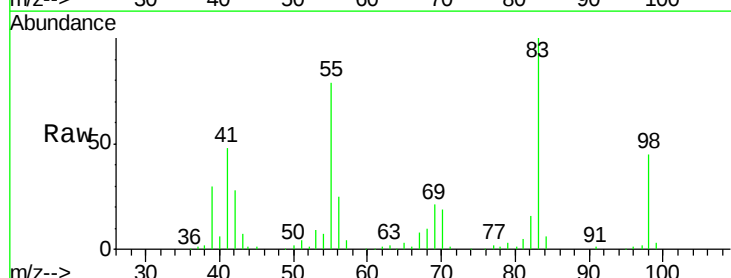
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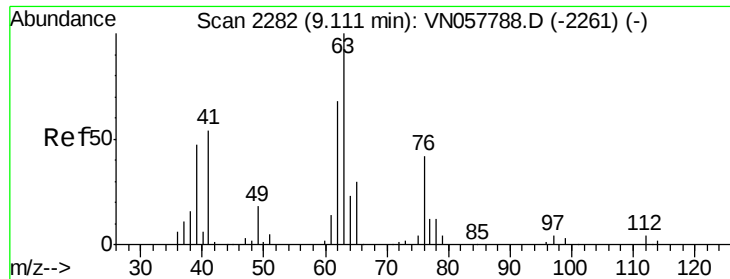
MMDadoda
 9/23/2019 3:29:47 PM



#38
 Methylcyclohexane
 Concen: 19.597 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion: 83 Resp: 152178
 Ion Ratio Lower Upper
 83 100
 55 78.6 39.6 118.7
 98 45.3 21.8 65.4





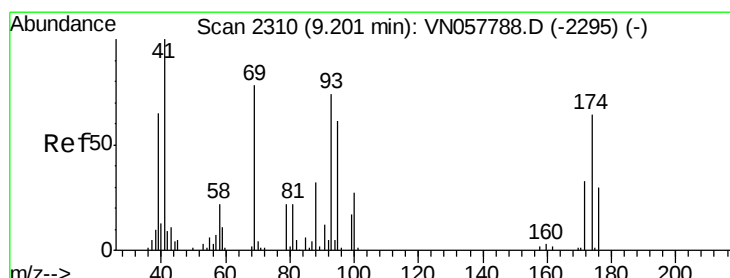
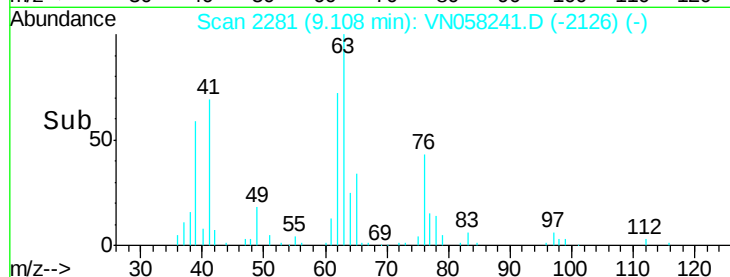
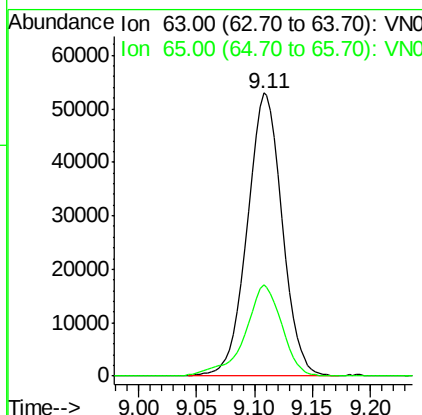
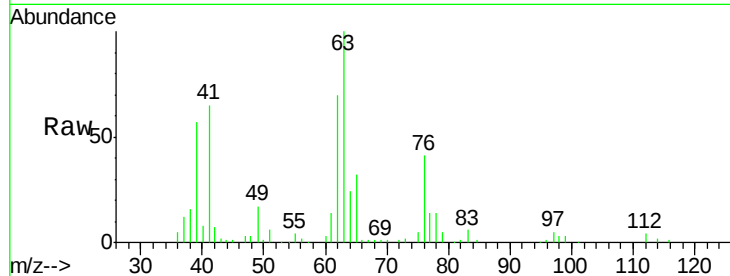
#39
 1,2-Dichloropropane
 Concen: 19.623 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 111354
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.6 35.4

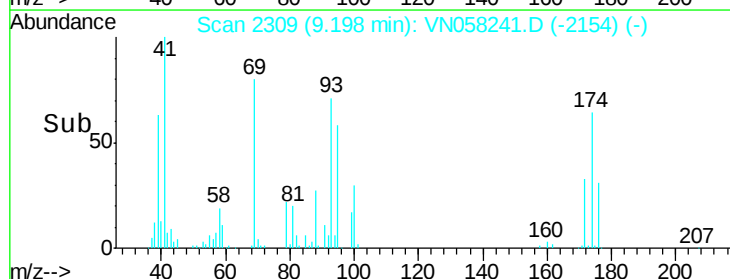
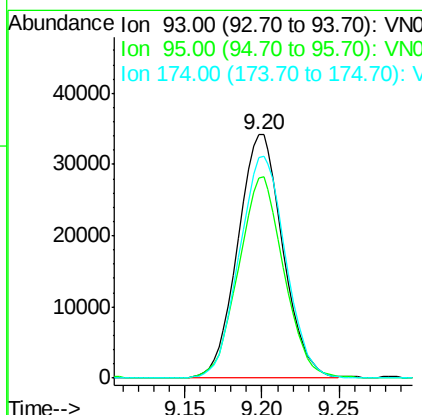
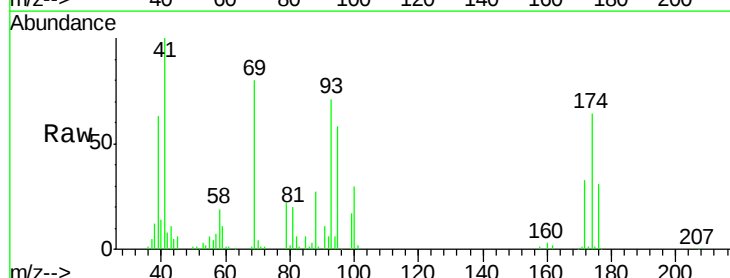
Manual Integrations
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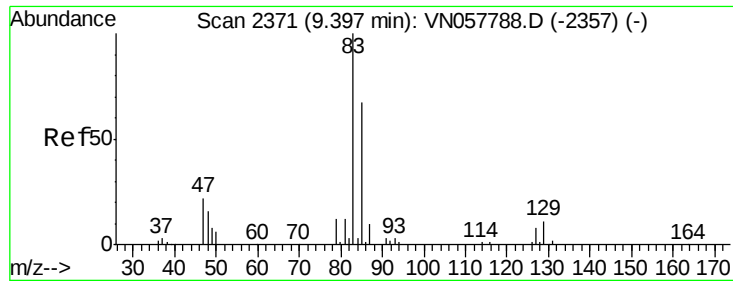
MMDadoda
 9/23/2019 3:29:47 PM



#40
 Dibromomethane
 Concen: 20.101 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion: 93 Resp: 69377
 Ion Ratio Lower Upper
 93 100
 95 82.8 0.0 163.0
 174 93.2 0.0 171.4





#41

Bromodichloromethane

Concen: 19.711 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

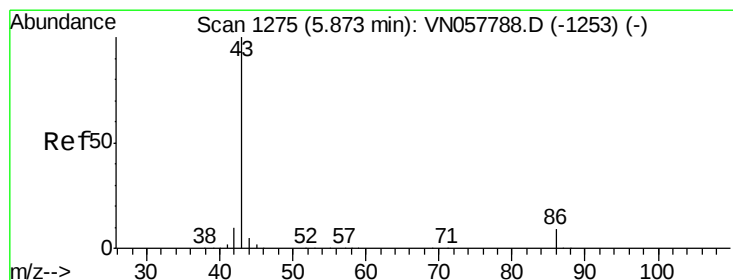
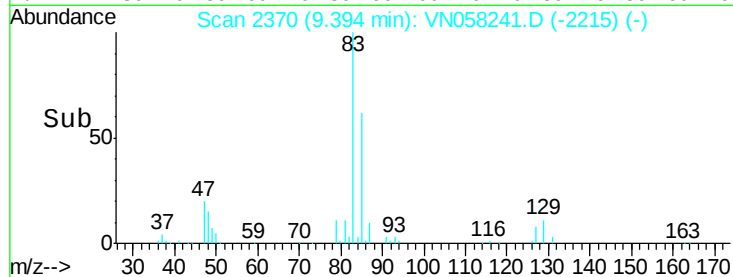
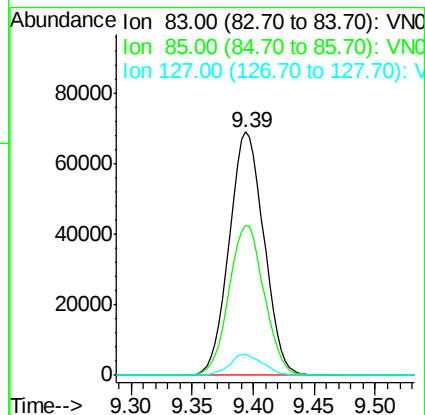
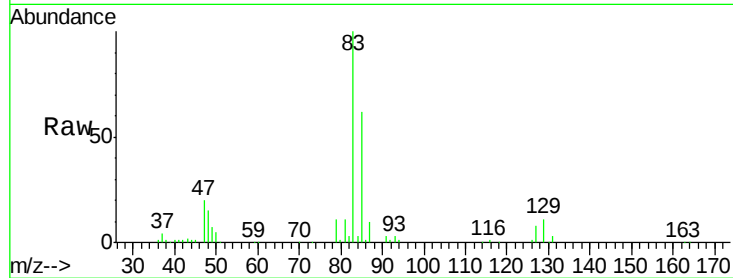
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	137157
Ion Ratio	Lower	Upper	
83	100		
85	61.9	53.4	80.0
127	8.4	6.6	10.0

Manual Integrations
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MMDadoda
9/23/2019 3:29:47 PM



#42

Vinyl Acetate

Concen: 106.199 ug/l

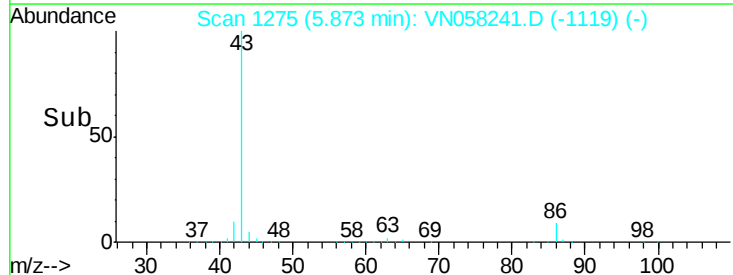
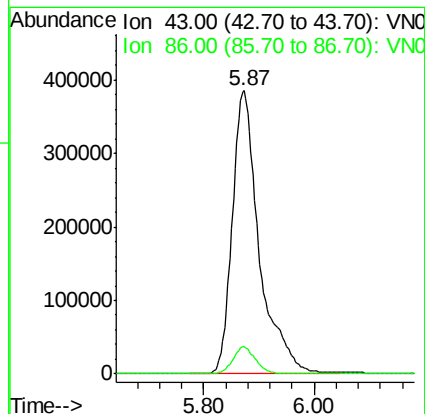
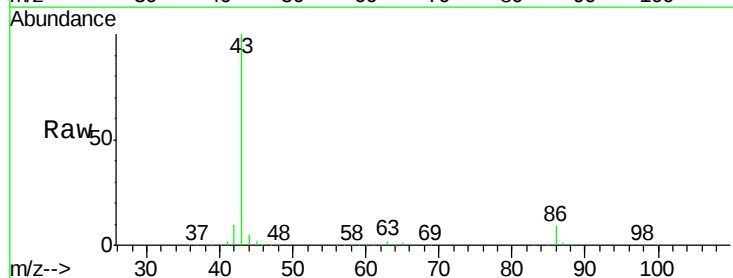
RT: 5.87 min Scan# 1275

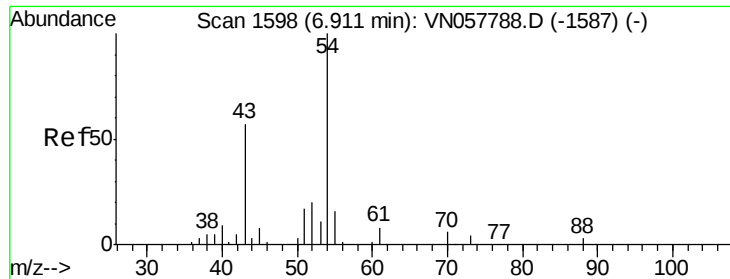
Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Tgt Ion:	43	Resp:	1312419
Ion Ratio	Lower	Upper	
43	100		
86	8.1	6.3	9.5





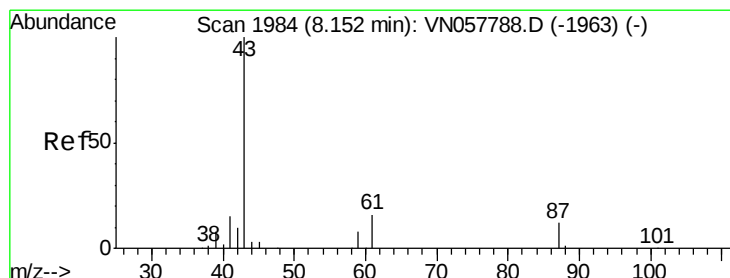
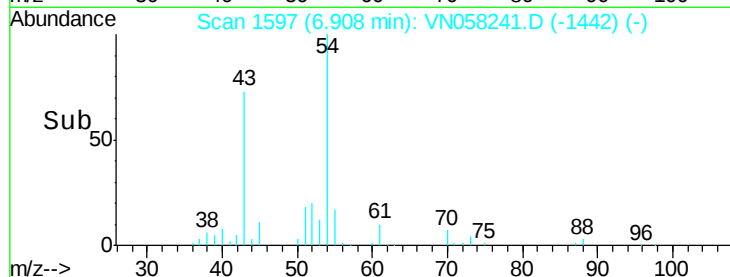
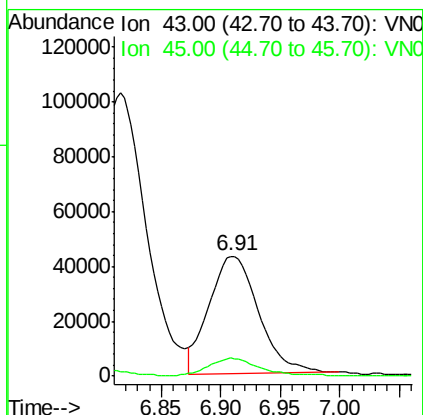
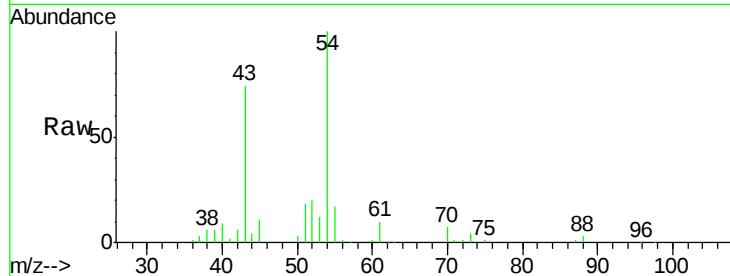
#43
Ethyl Acetate
Concen: 19.630 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.1	5.4	8.0#

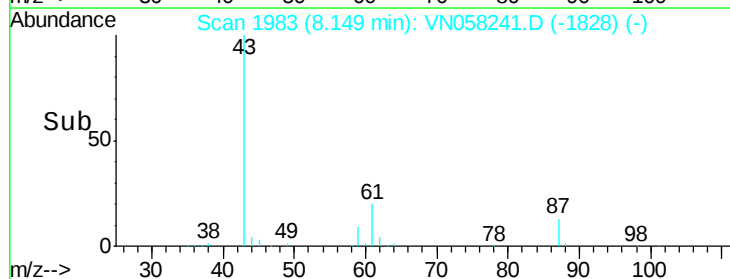
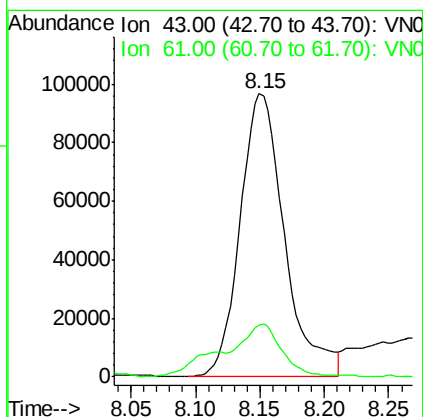
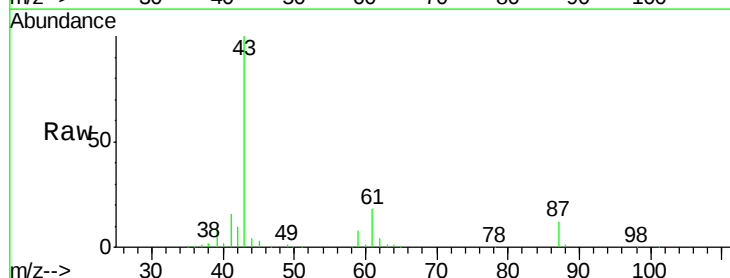
Manual Integrations
APPROVED

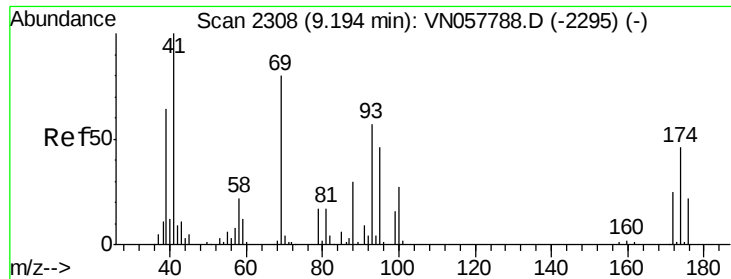
MMDadoda
9/23/2019 3:29:47 PM



#44
Isopropyl Acetate
Concen: 21.111 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.5	0.1	0.1#





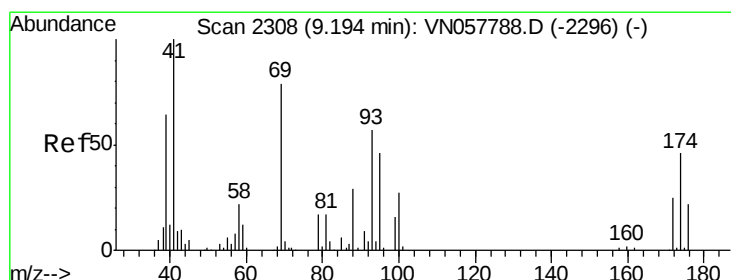
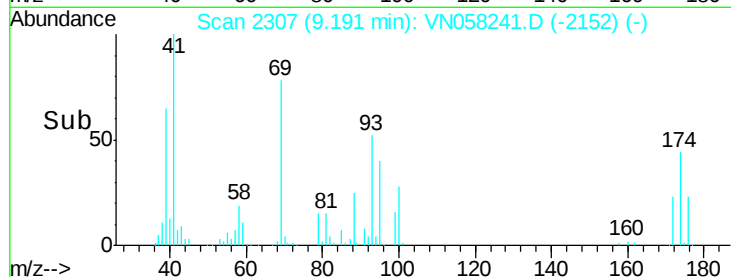
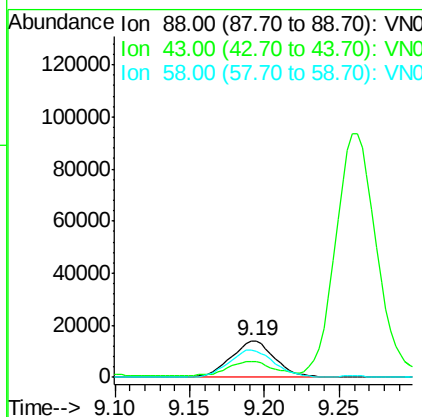
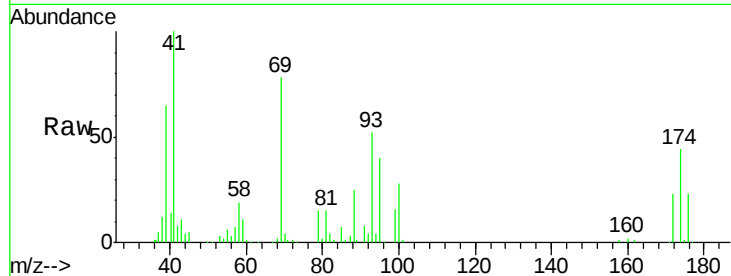
#45
1,4-Dioxane
Concen: 333.703 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	28.2	42.4
58	75.8	58.5	87.7

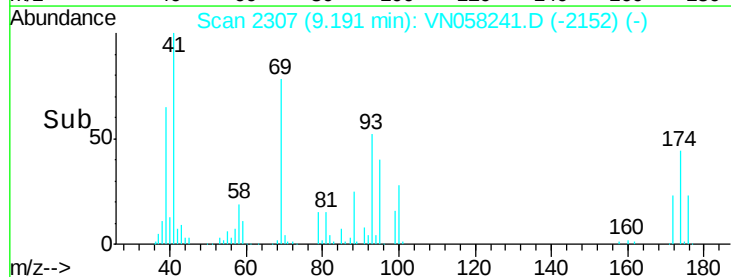
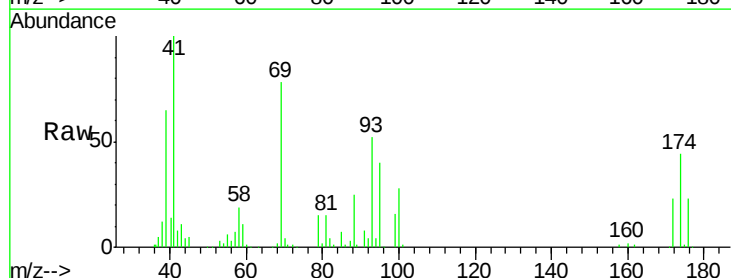
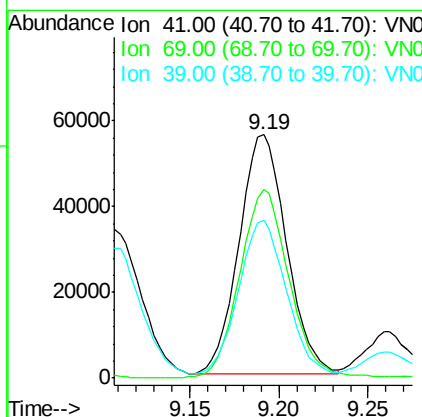
Manual Integrations
APPROVED

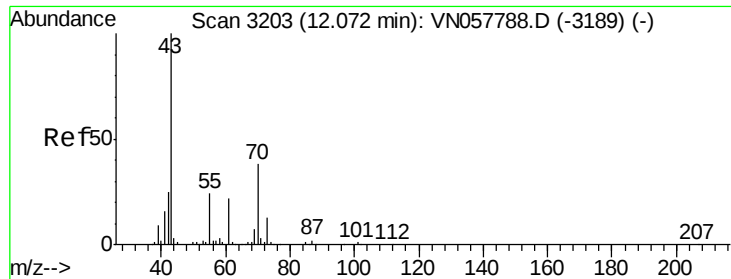
MMDadoda
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#46
Methyl methacrylate
Concen: 19.394 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.7	39.6	119.0
39	64.2	31.9	95.7





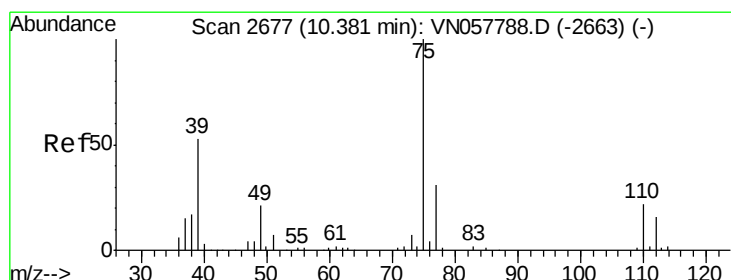
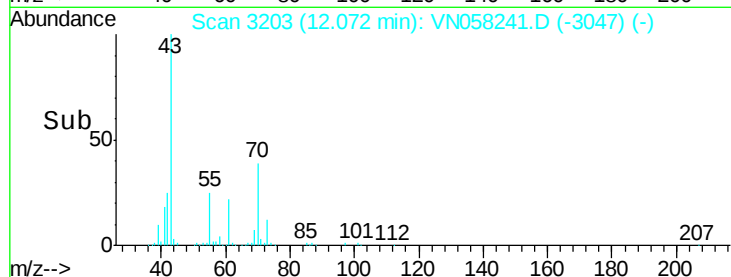
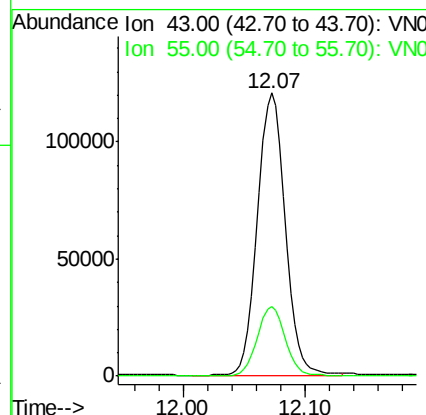
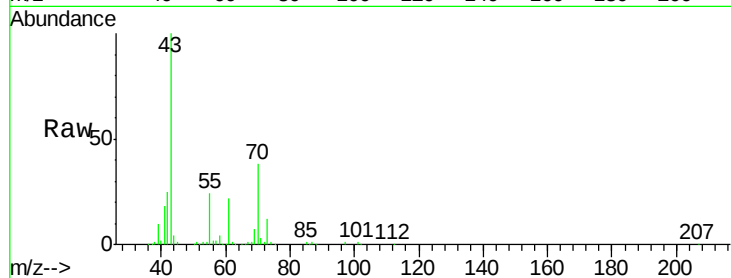
#47
n-amyl Acetate
Concen: 18.875 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Resp	189658
Ion Ratio	100	Lower	Upper
43	100	18.3	27.5
55	25.0		

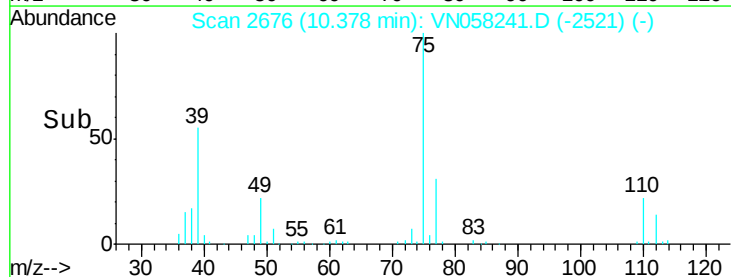
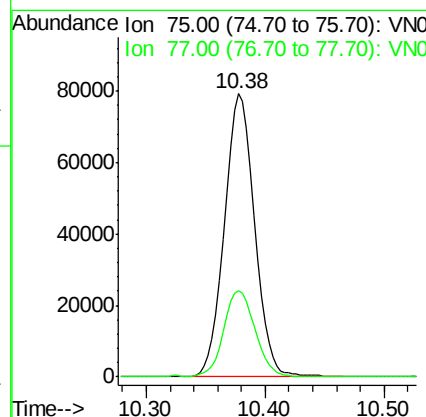
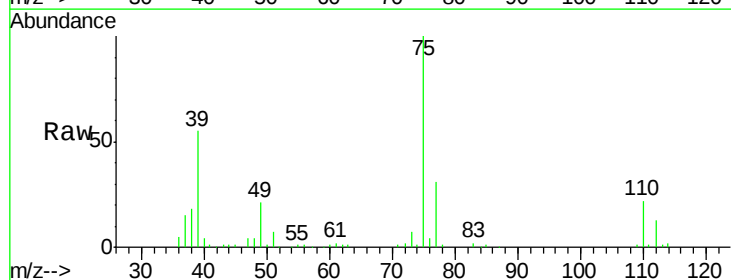
Manual Integrations
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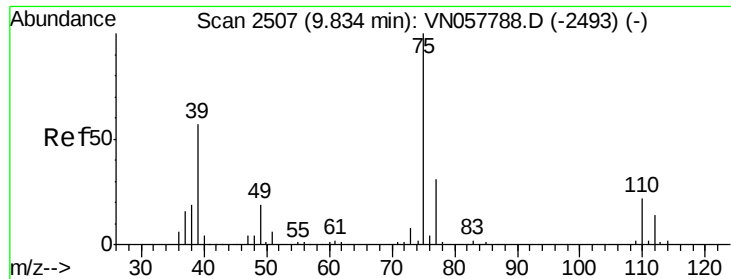
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 18.815 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	75	Resp	139380
Ion Ratio	100	Lower	Upper
75	100	24.9	37.3
77	30.7		





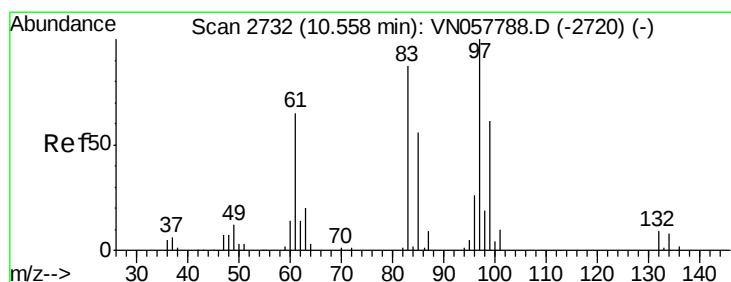
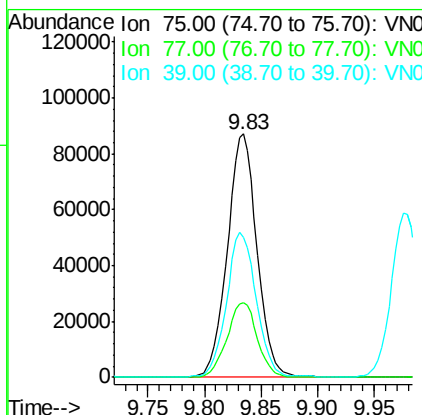
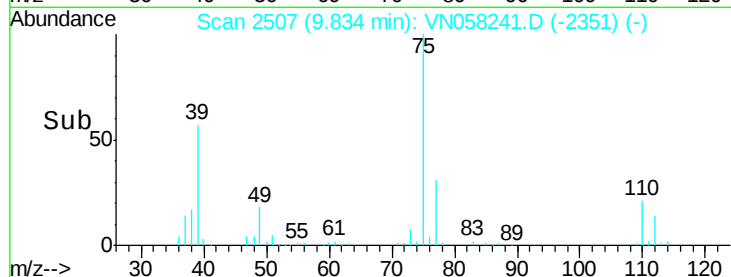
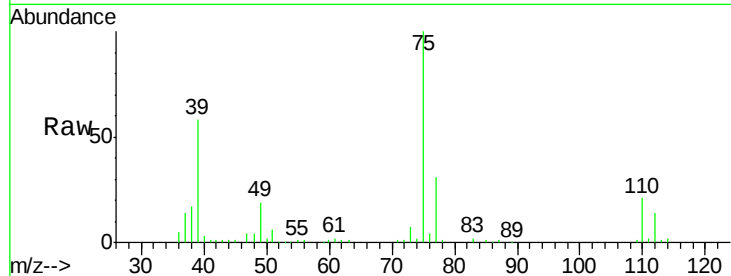
#49
 cis-1,3-Dichloropropene
 Concen: 19.098 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	158734
Ion Ratio	Lower	Upper	
75	100		
77	30.7	24.6	36.8
39	57.3	45.8	68.8

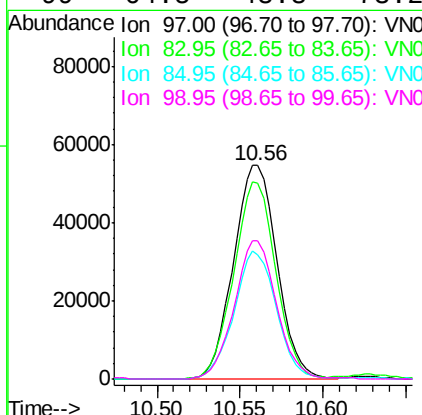
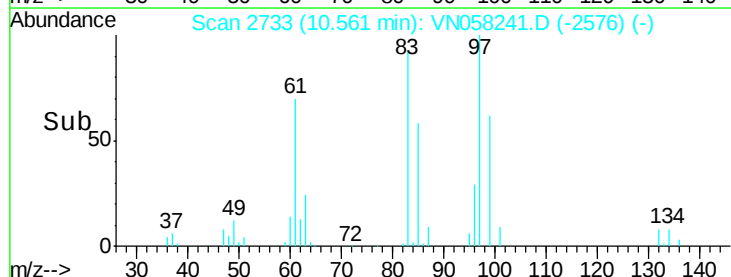
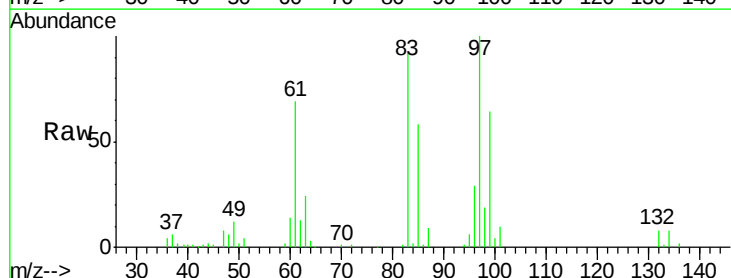
Manual Integrations
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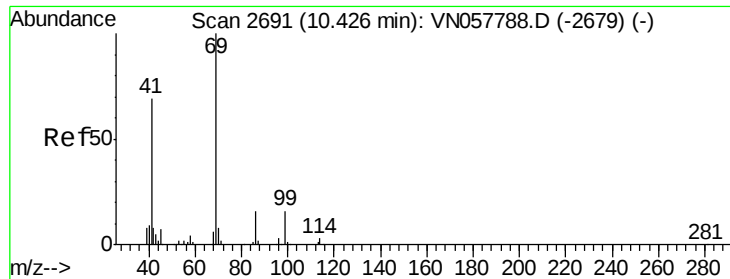
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#50
 1,1,2-Trichloroethane
 Concen: 19.902 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion:	97	Resp:	99633
Ion Ratio	Lower	Upper	
97	100		
83	91.5	69.4	104.2
85	58.3	45.0	67.6
99	64.5	48.8	73.2





#51

Ethyl methacrylate

Concen: 19.132 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 69 Resp: 148512

Ion Ratio Lower Upper

69 100

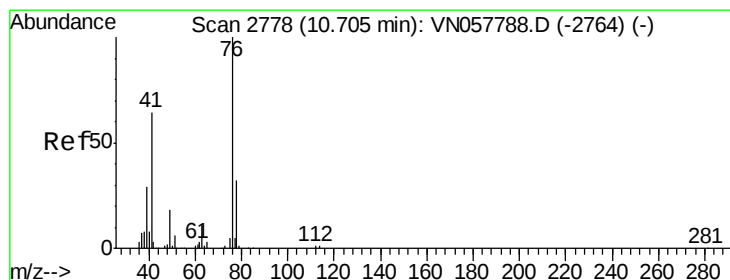
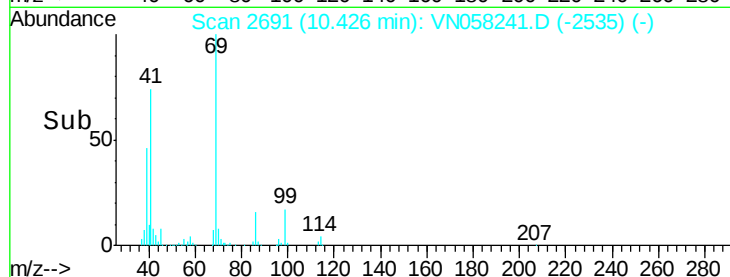
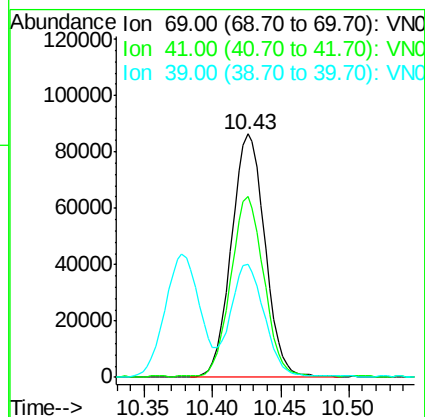
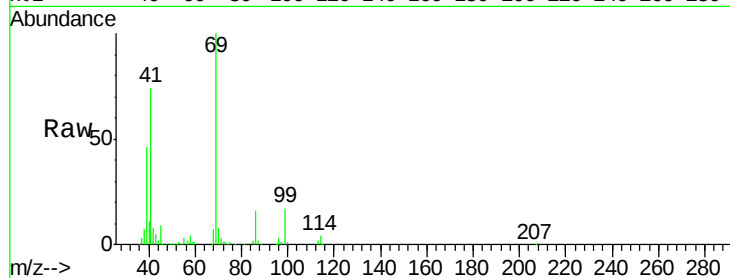
41 73.8 34.5 103.5

39 45.9 22.4 67.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.874 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058241.D

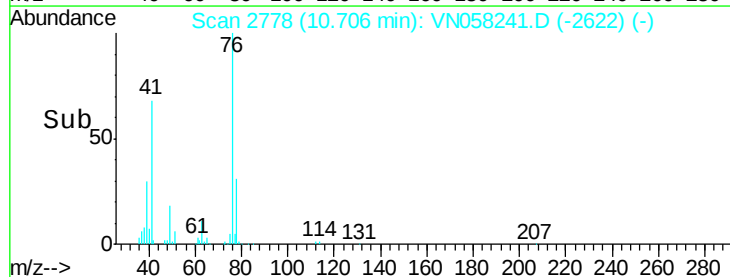
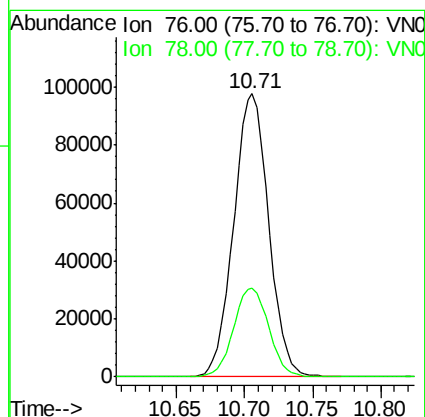
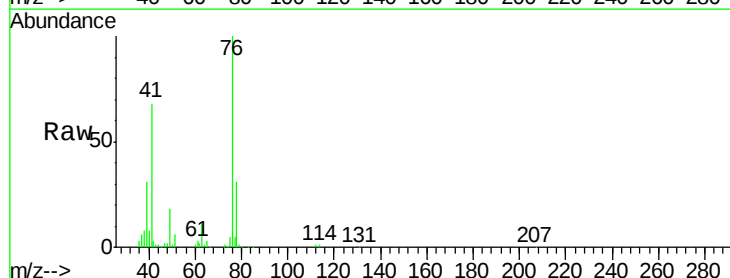
Acq: 20 Sep 2019 11:42

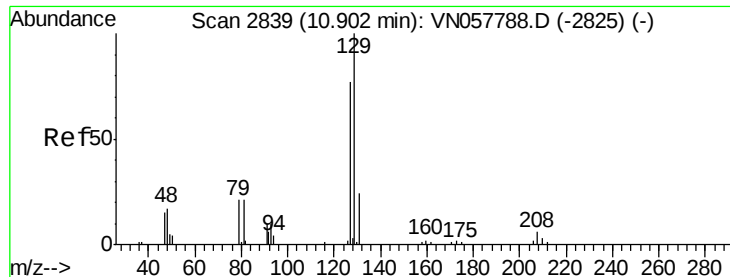
Tgt Ion: 76 Resp: 173995

Ion Ratio Lower Upper

76 100

78 31.7 0.0 63.8





#53

Dibromochloromethane

Concen: 18.491 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 91424

Ion Ratio Lower Upper

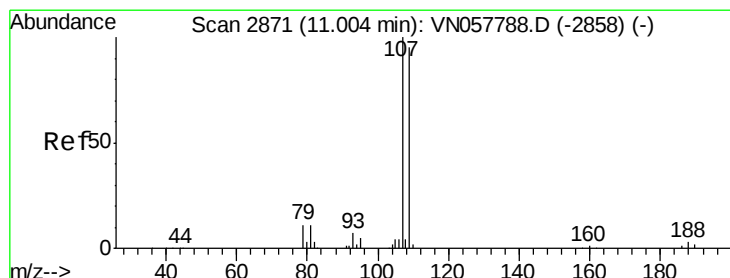
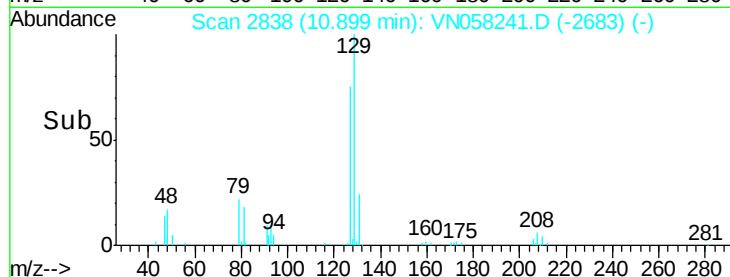
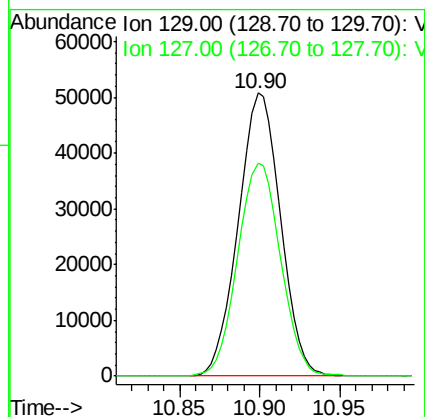
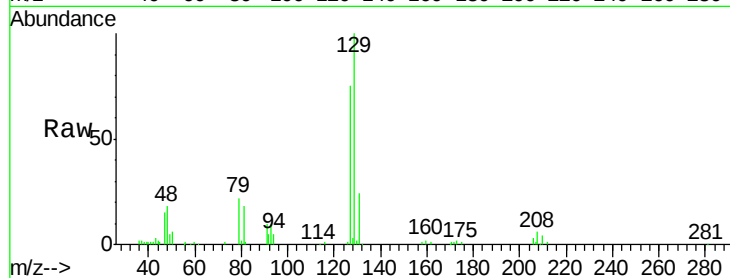
129 100

127 76.5 38.8 116.3

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#54

1,2-Dibromoethane

Concen: 19.511 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058241.D

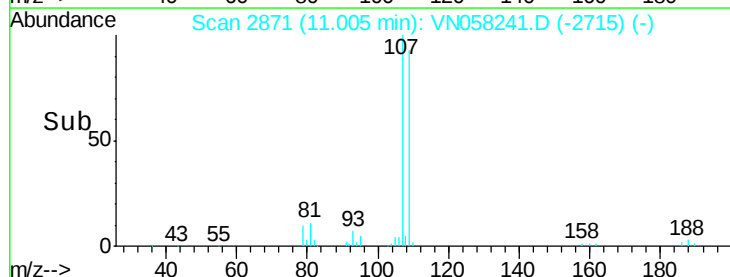
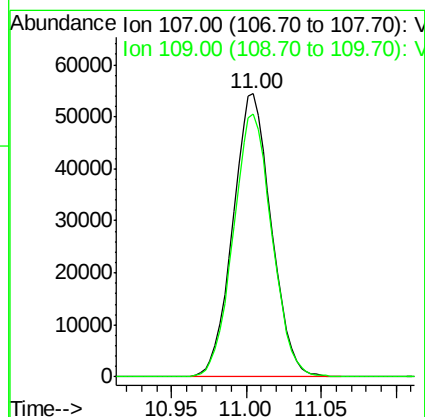
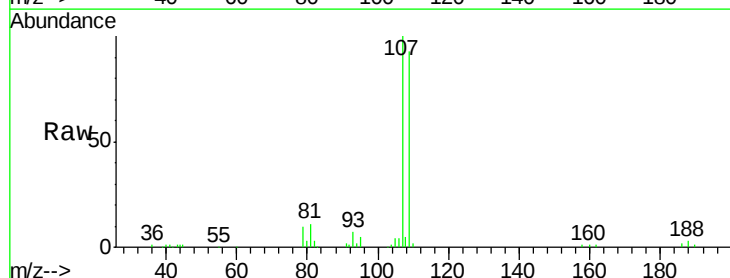
Acq: 20 Sep 2019 11:42

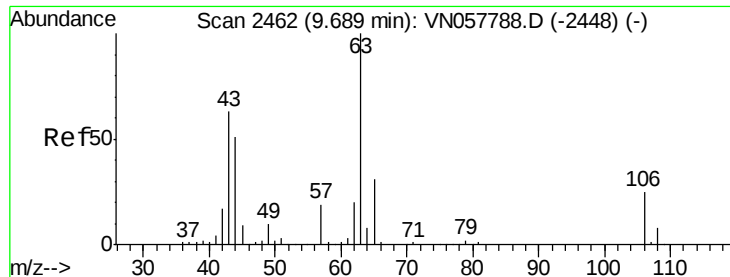
Tgt Ion:107 Resp: 97185

Ion Ratio Lower Upper

107 100

109 93.5 75.4 113.0





#55

2-Chloroethyl vinyl ether

Concen: 102.347 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 377513

Ion Ratio Lower Upper

63 100

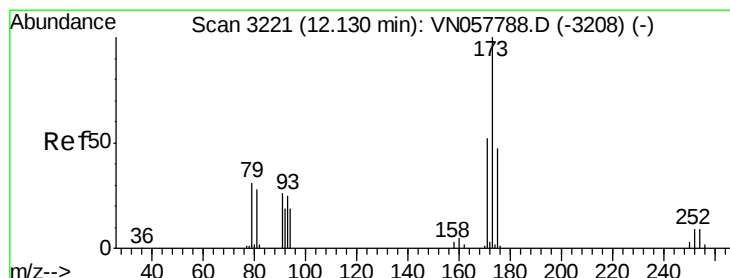
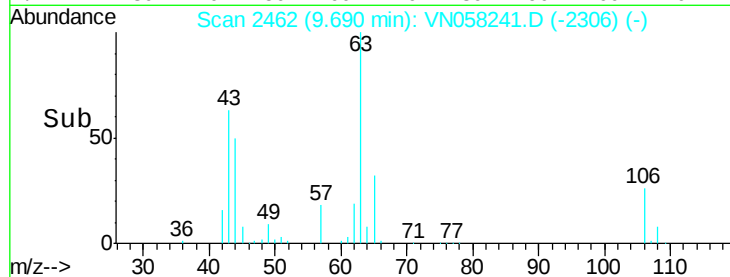
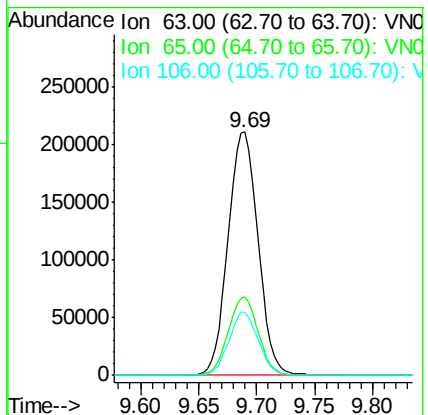
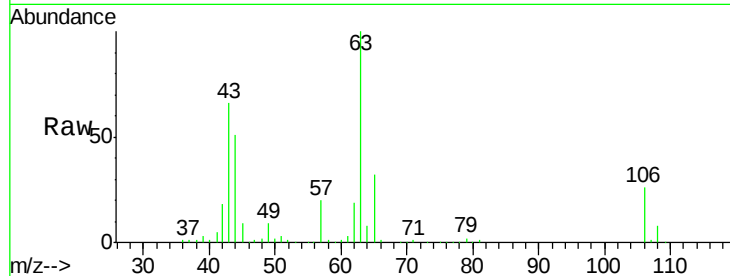
65 32.0 25.0 37.6

106 25.3 19.8 29.8

Manual Integrations
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#56

Bromoform

Concen: 17.815 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

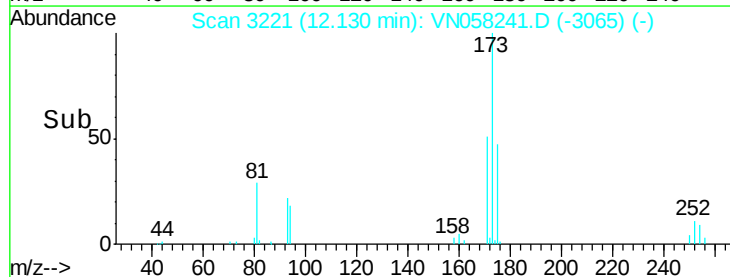
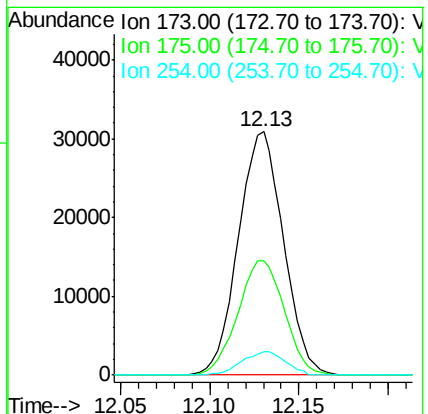
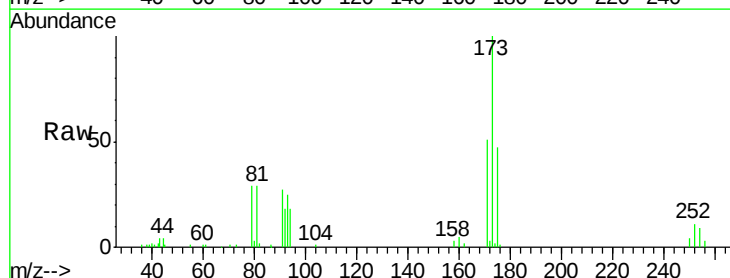
Tgt Ion: 173 Resp: 54564

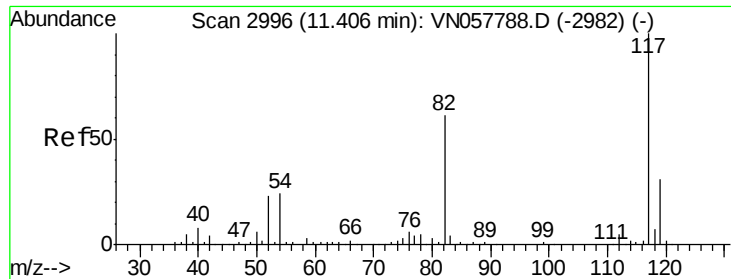
Ion Ratio Lower Upper

173 100

175 48.4 38.4 57.6

254 9.4 6.9 10.3





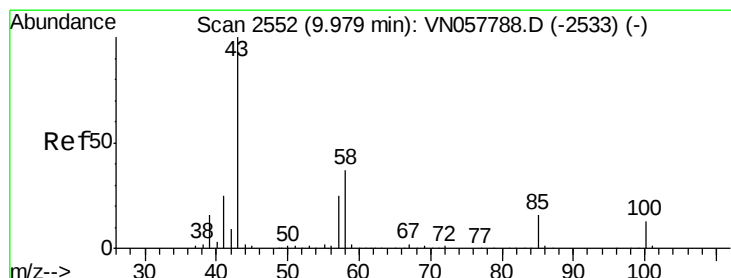
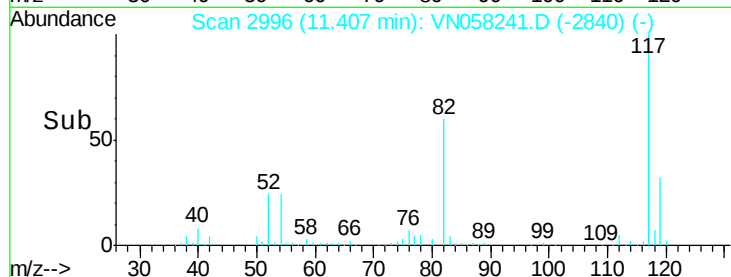
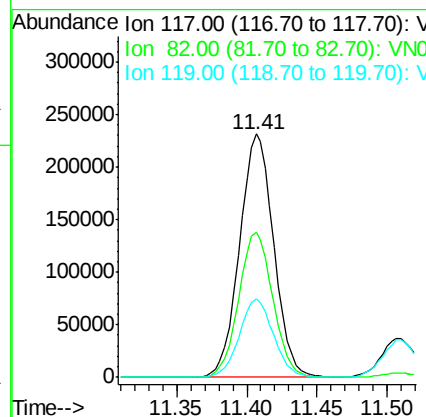
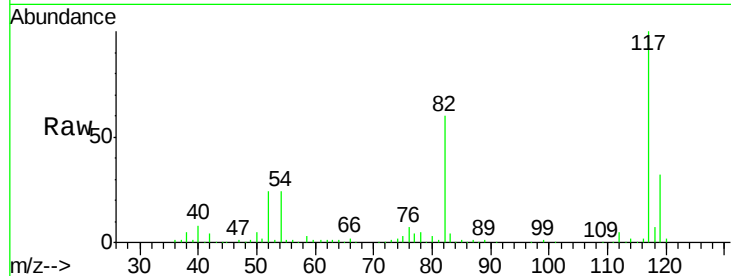
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.6	71.4
119	32.3	25.4	38.2

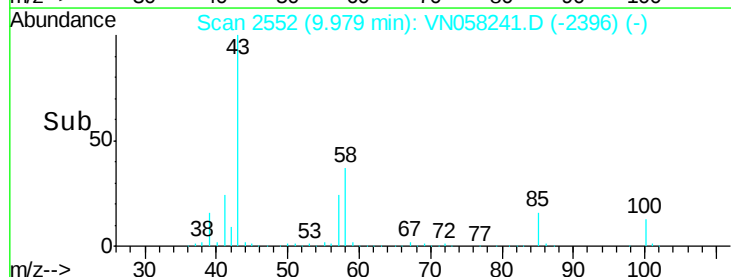
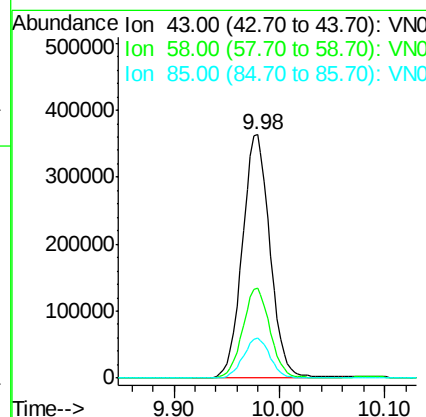
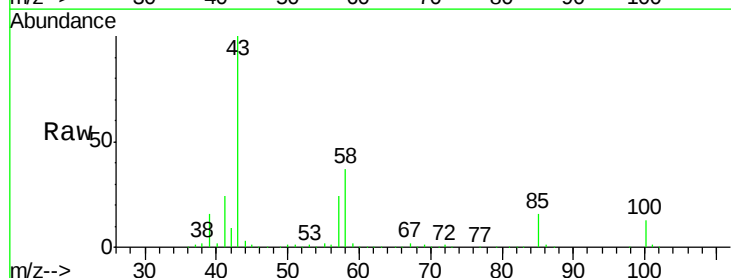
Manual Integrations
APPROVED

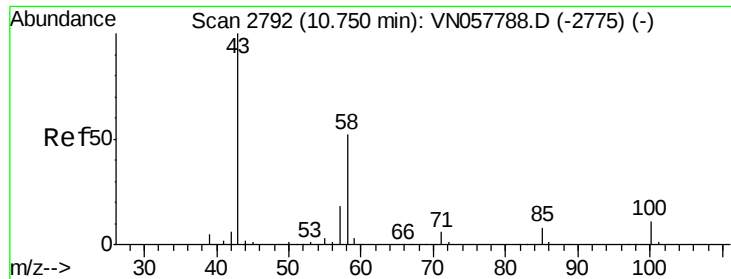
MMDadoda
9/23/2019 3:29:47 PM



#58
4-Methyl-2-Pentanone
Concen: 108.126 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.4	44.0
85	16.1	12.9	19.3





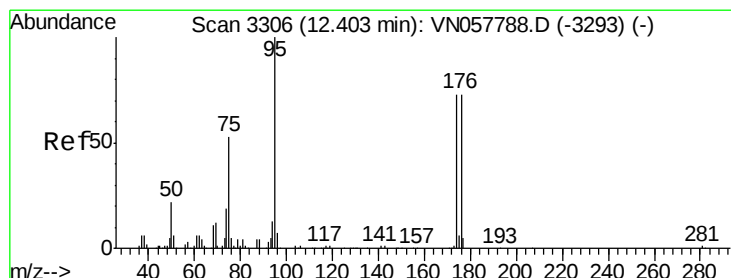
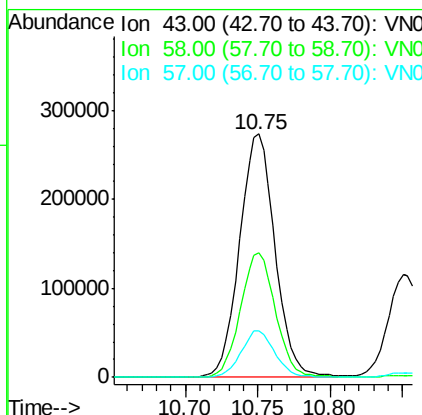
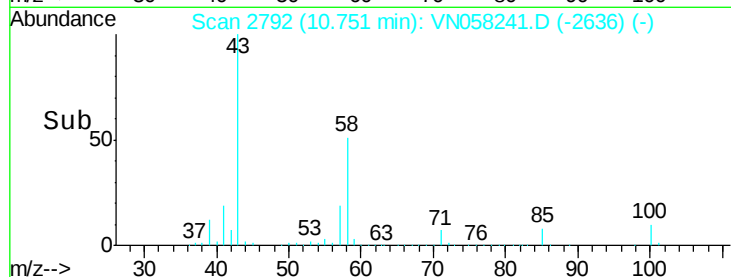
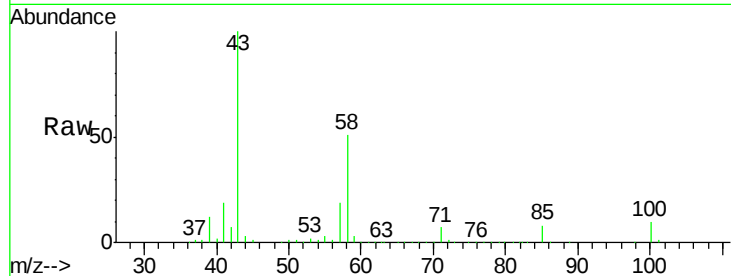
#59
2-Hexanone
Concen: 101.093 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.8	40.6	61.0
57	18.3	14.5	21.7

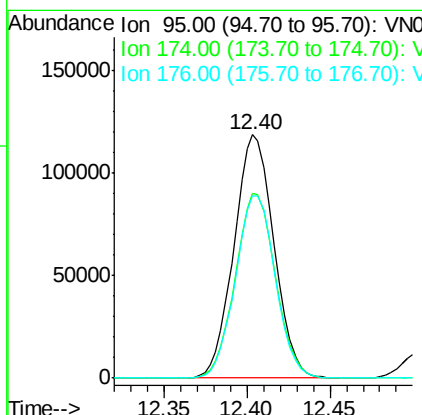
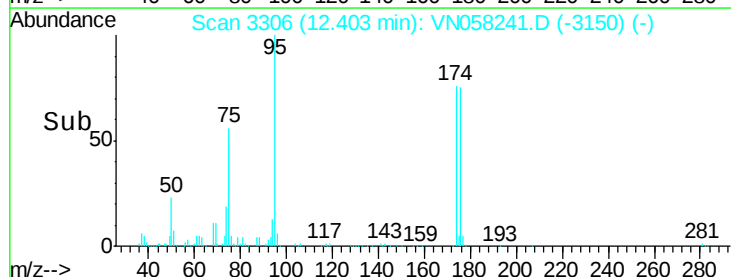
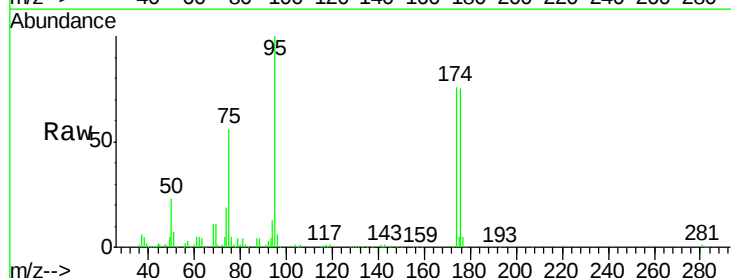
Manual Integrations
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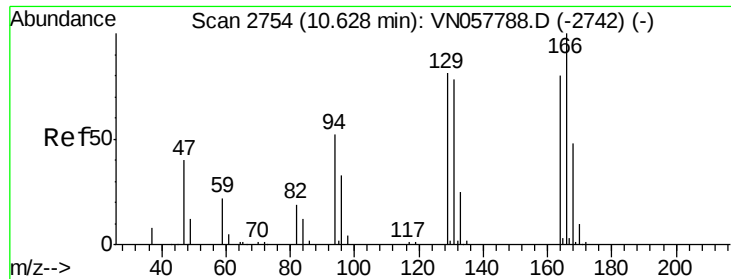
MMDadoda
9/23/2019 3:29:47 PM



#60
4-Bromofluorobenzene
Concen: 29.576 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.5	59.4	89.0
176	74.8	57.4	86.0





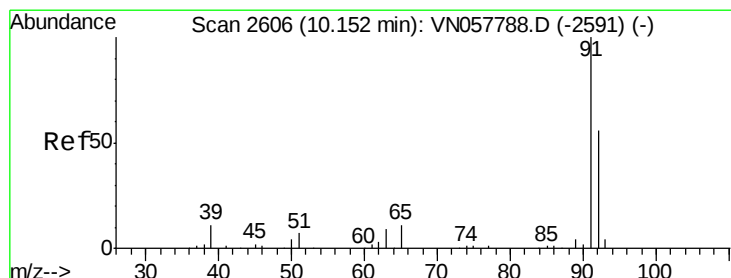
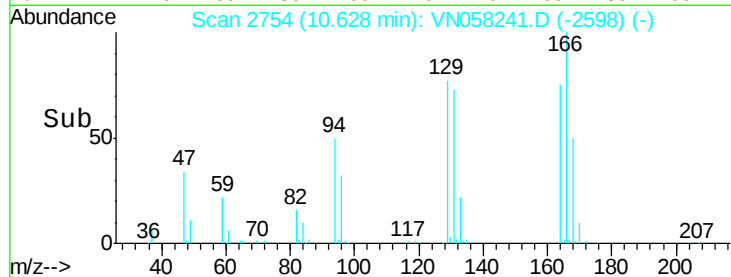
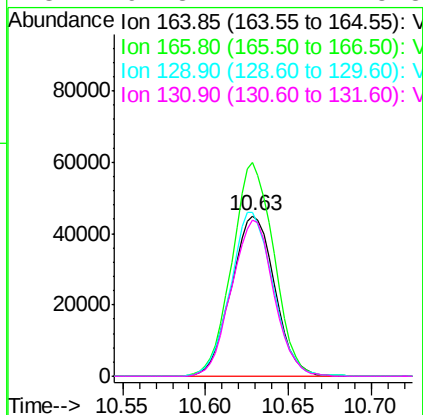
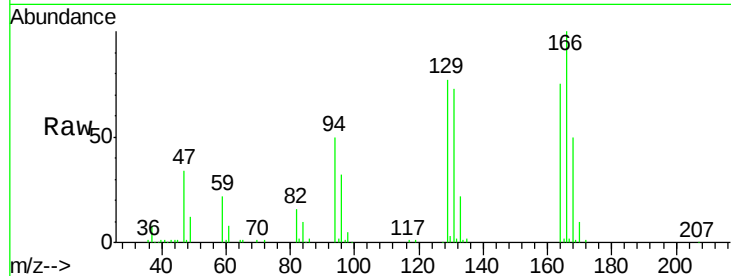
#61
Tetrachloroethene
Concen: 20.505 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	132.7	99.6	149.4
129	101.8	80.9	121.3
131	97.3	77.2	115.8

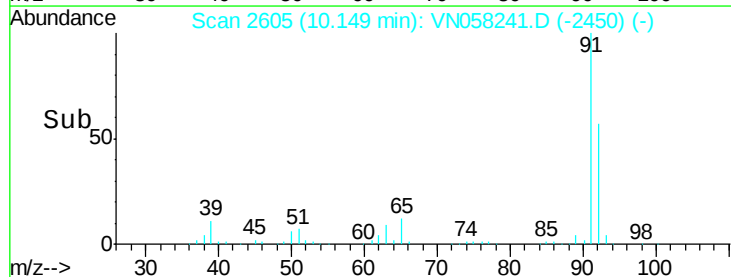
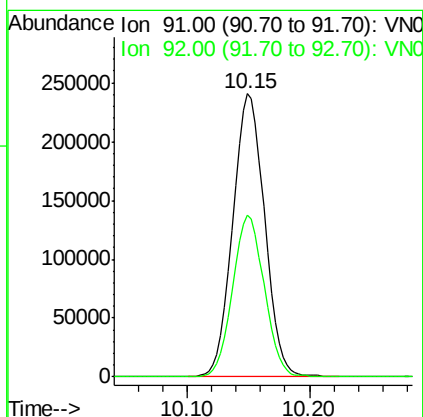
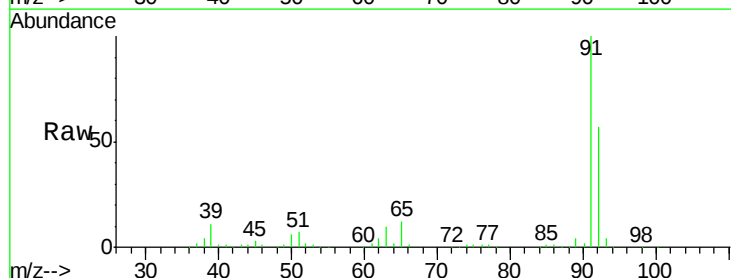
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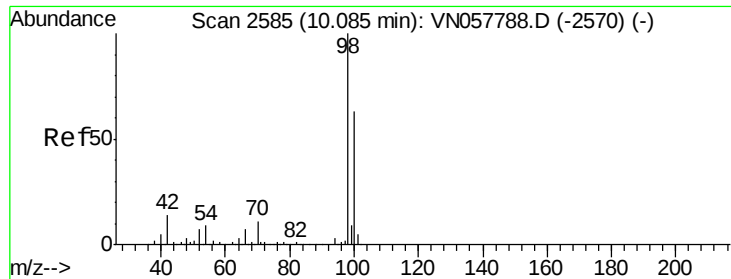
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#62
Toluene
Concen: 20.072 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	44.9	67.3





#63

Toluene-d8

Concen: 29.722 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 559754

Ion Ratio Lower Upper

98 100

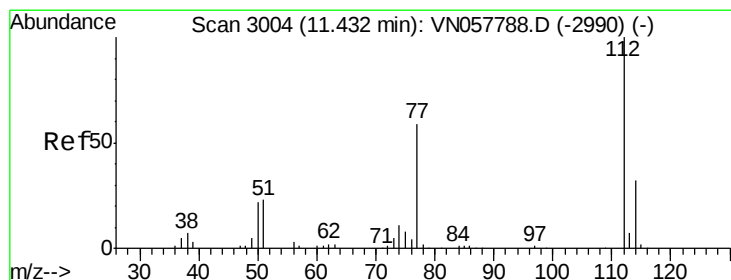
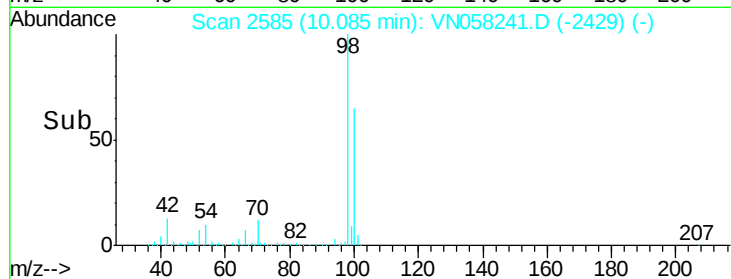
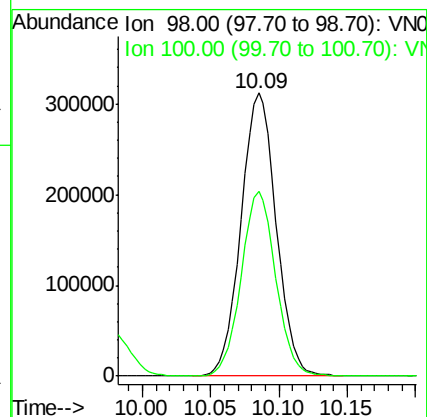
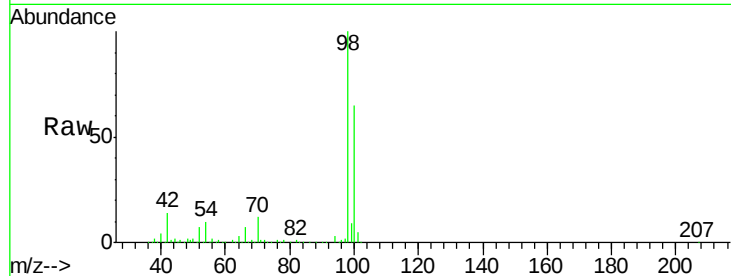
100 63.6 50.3 75.5

Manual Integrations

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#64

Chlorobenzene

Concen: 19.787 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058241.D

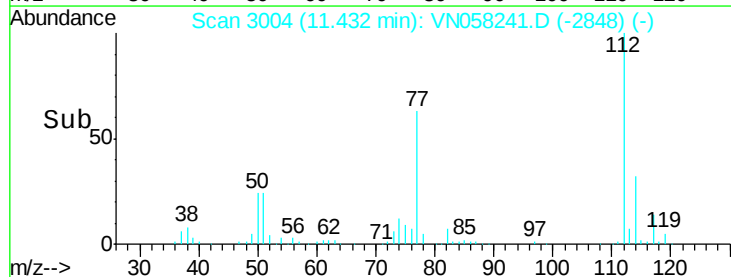
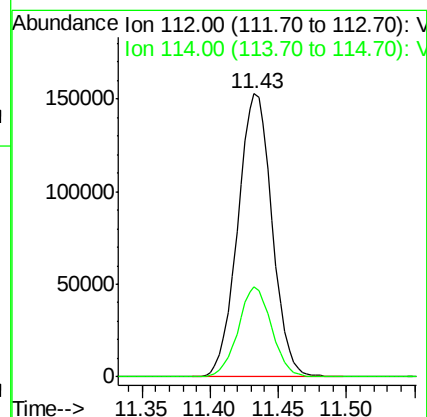
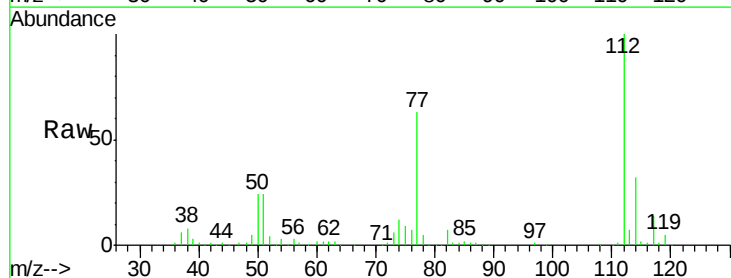
Acq: 20 Sep 2019 11:42

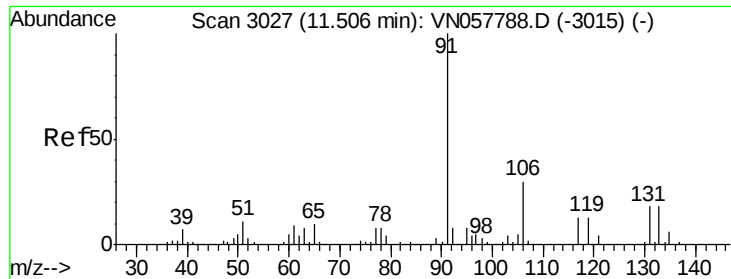
Tgt Ion: 112 Resp: 266673

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.528 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

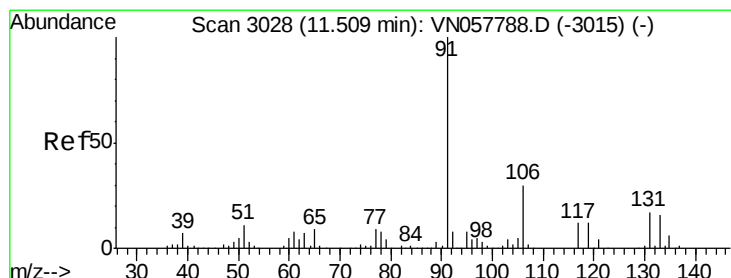
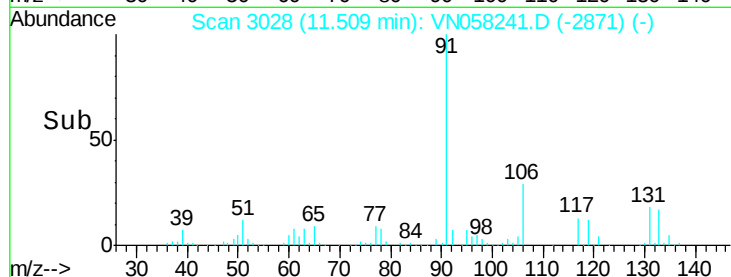
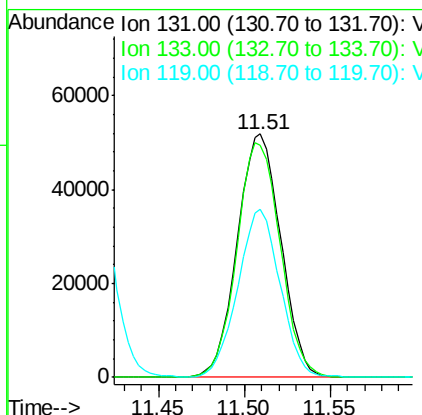
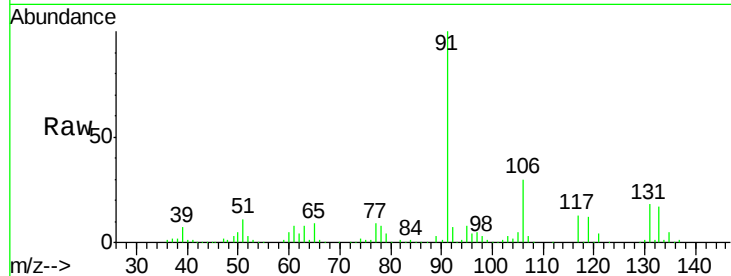
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.9	0.0	189.2
119	67.1	0.0	136.4

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#66

Ethyl Benzene

Concen: 20.567 ug/l

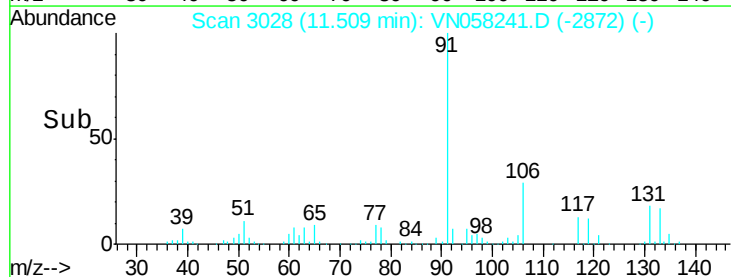
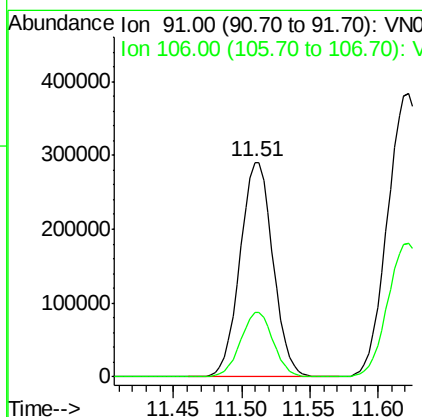
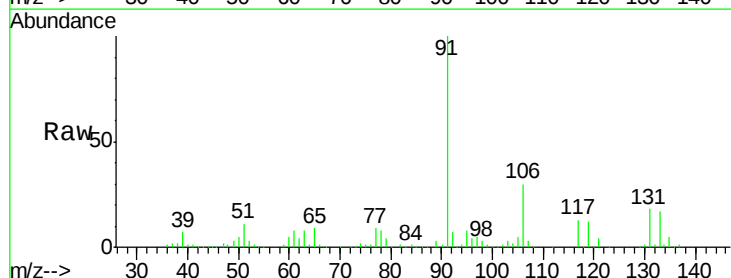
RT: 11.51 min Scan# 3028

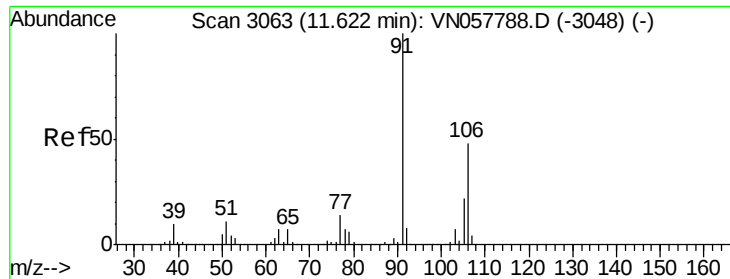
Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.0	36.0





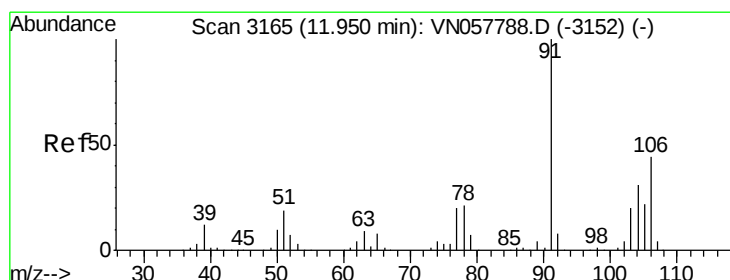
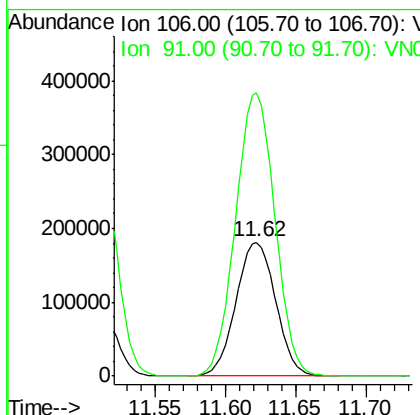
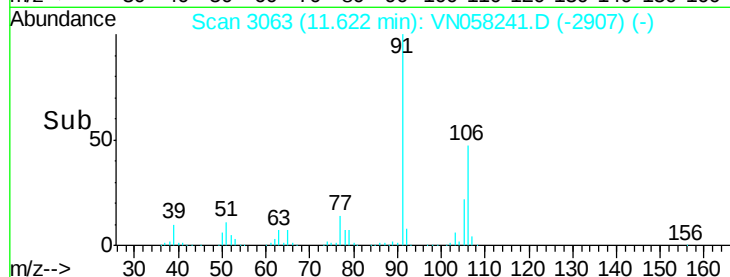
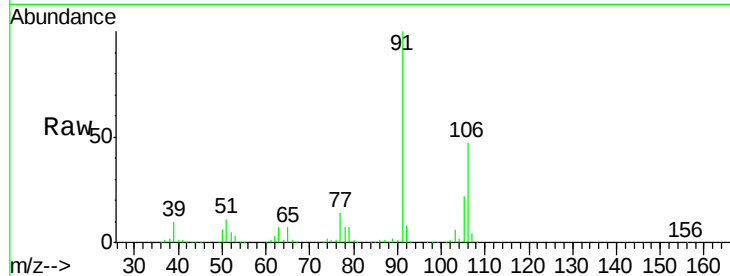
#67
m/p-Xvlenes
Concen: 39.574 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 358148
Ion Ratio Lower Upper
106 100
91 209.1 166.1 249.1

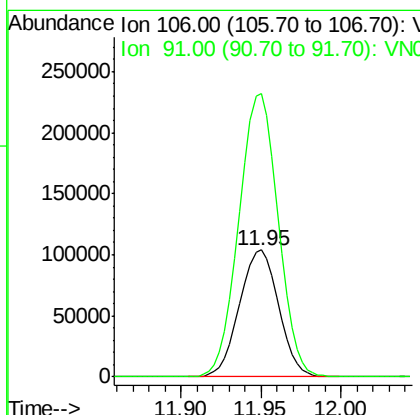
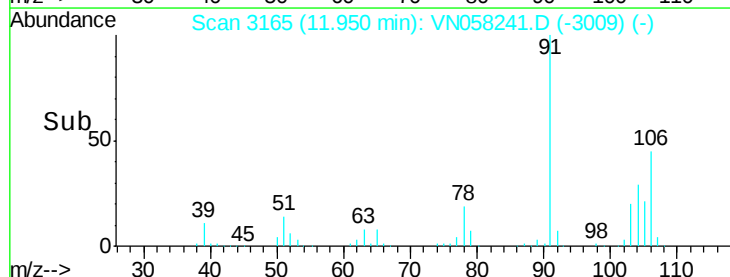
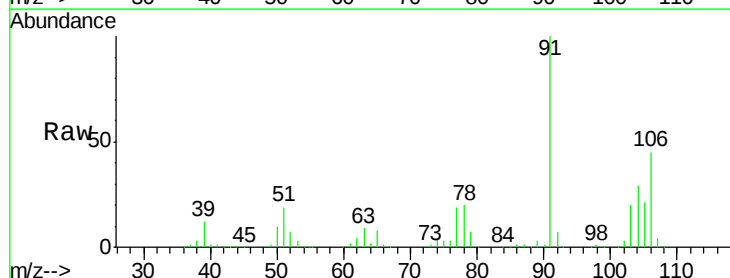
Manual Integrations
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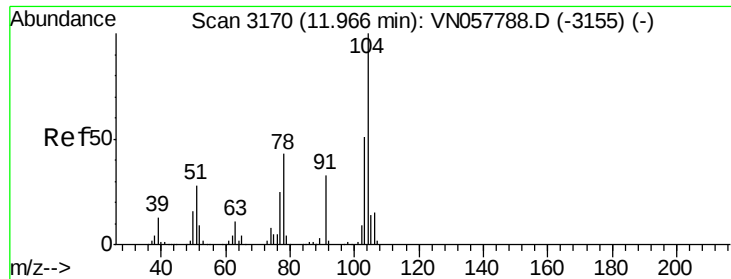
MMDadoda
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#68
o-Xylene
Concen: 19.623 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion:106 Resp: 173977
Ion Ratio Lower Upper
106 100
91 223.2 111.5 334.4





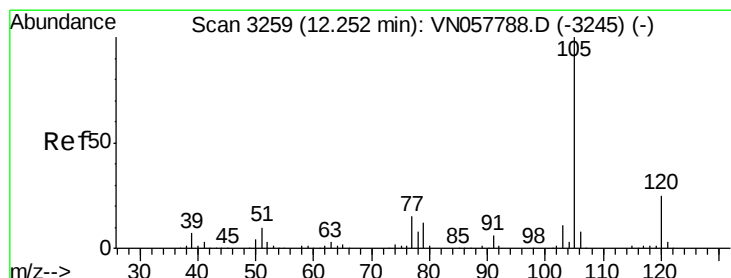
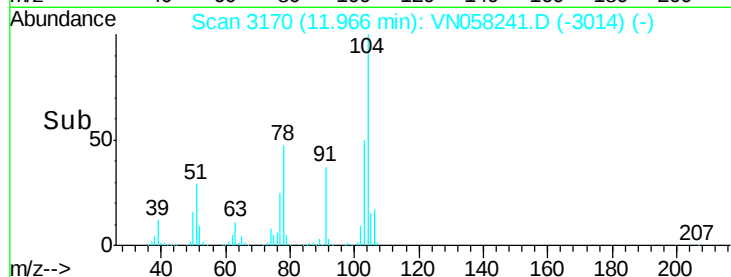
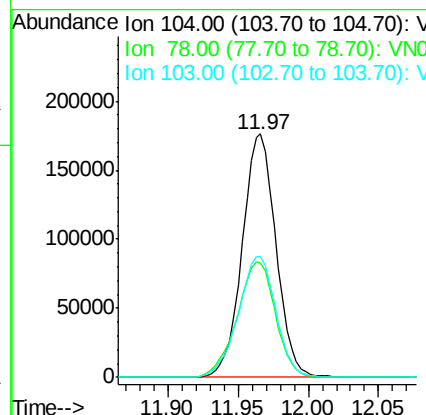
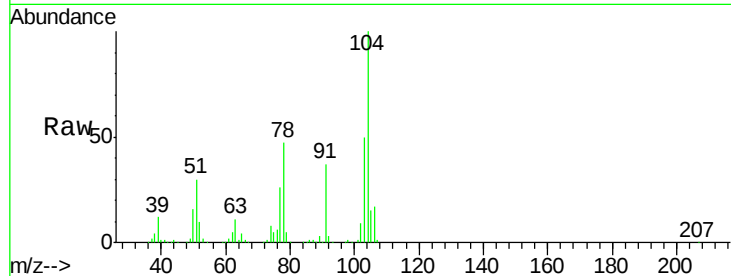
#69
Stvrene
Concen: 19.575 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	295912		
78	54.0		41.5	62.3
103	55.2		44.8	67.2

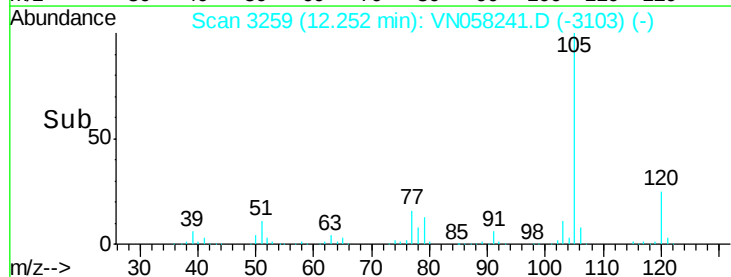
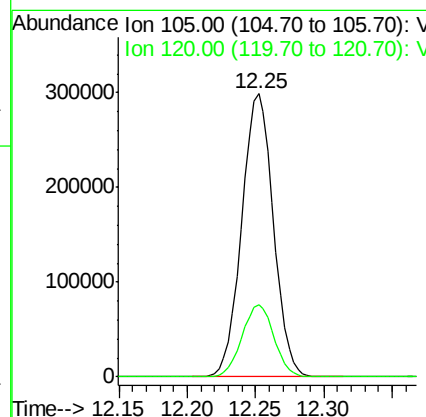
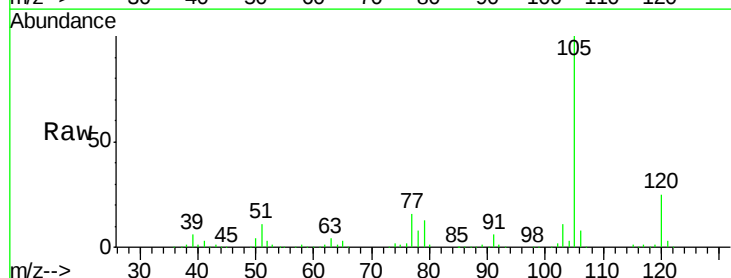
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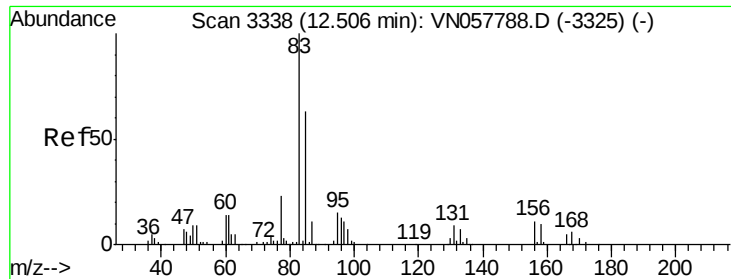
MMDadoda
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#70
Isopropylbenzene
Concen: 20.488 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	480228		
120	25.8		17.6	32.6





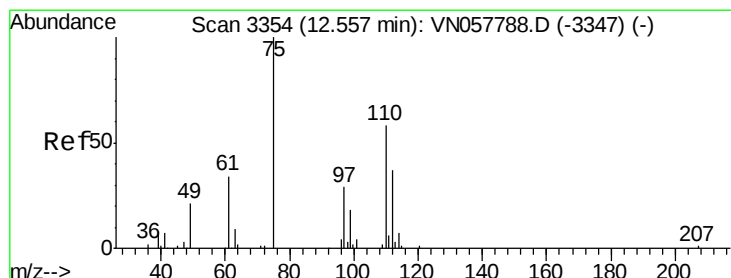
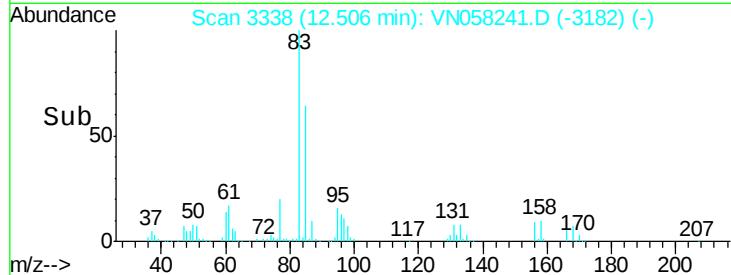
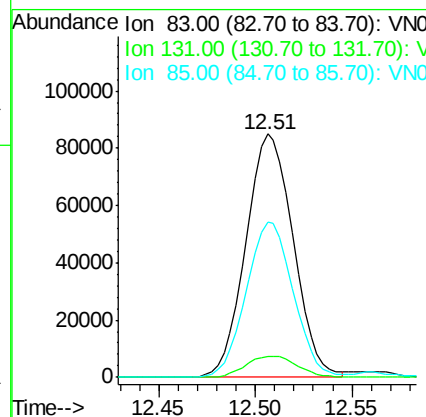
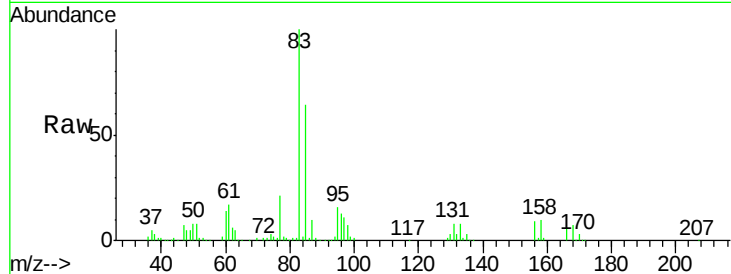
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.731 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	144540
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.6
85	63.2	32.1	96.3

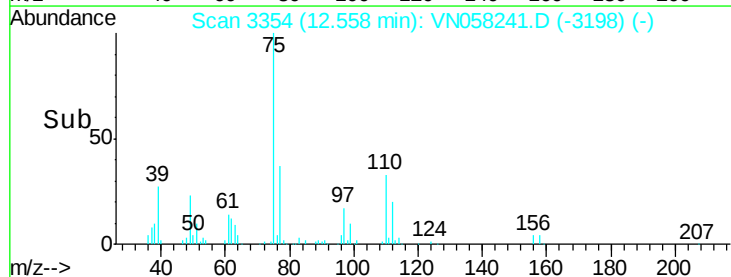
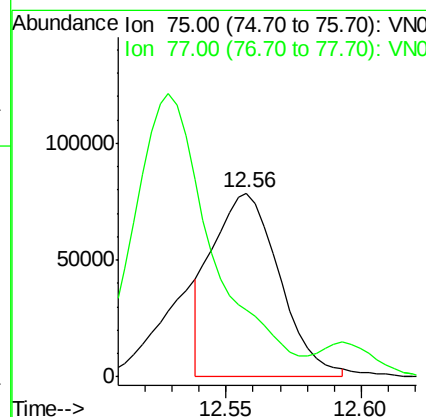
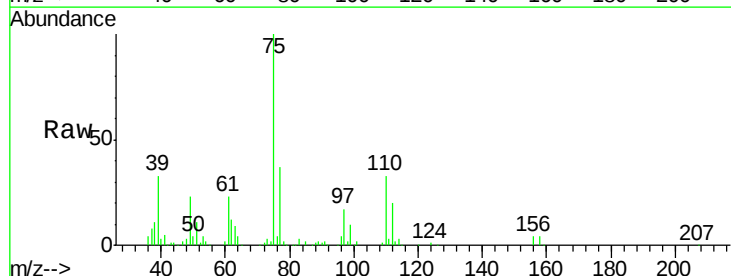
Manual Integrations
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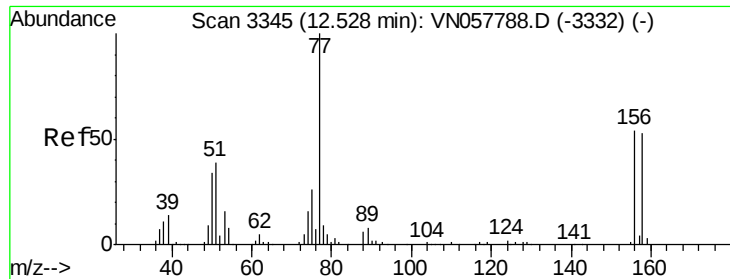
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#72
 1,2,3-Trichloropropane
 Concen: 20.819 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	75	Resp	135361
Ion Ratio	Lower	Upper	
75	100		
77	182.2	0.0	351.6





#73

Bromobenzene

Concen: 19.539 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

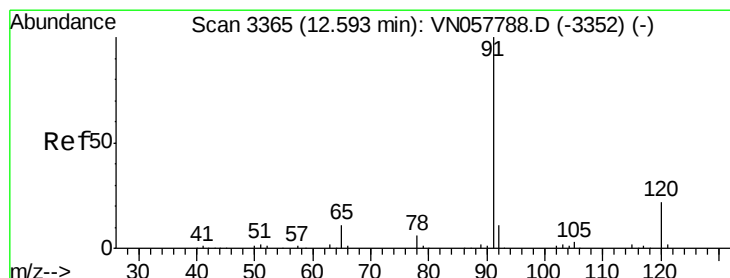
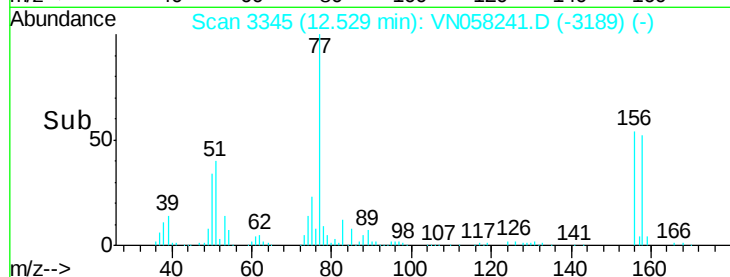
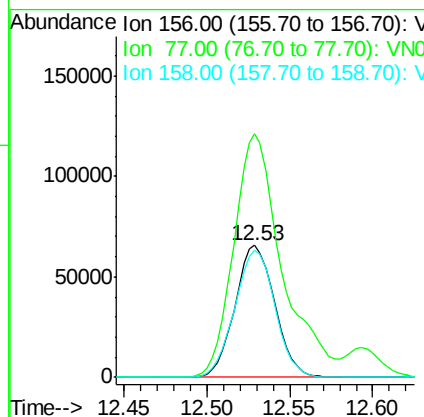
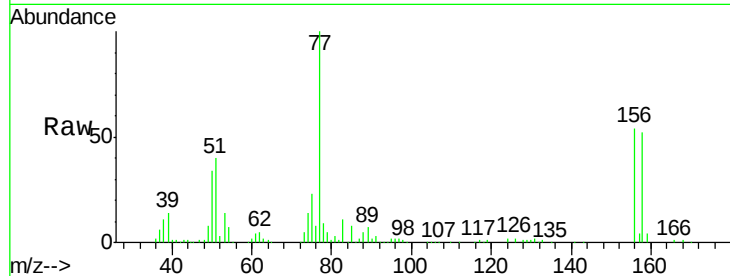
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	109645
Ion Ratio	Lower	Upper	
156	100		
77	224.9	0.0	446.6
158	97.7	0.0	197.2

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#74

n-propylbenzene

Concen: 20.849 ug/l

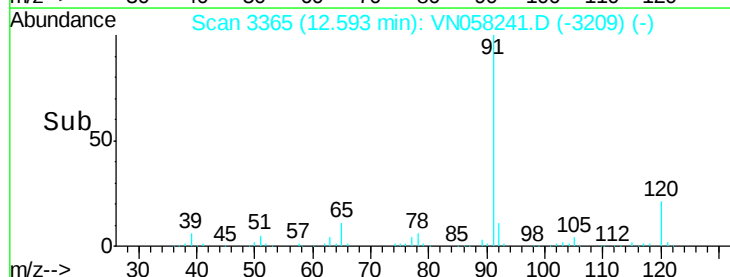
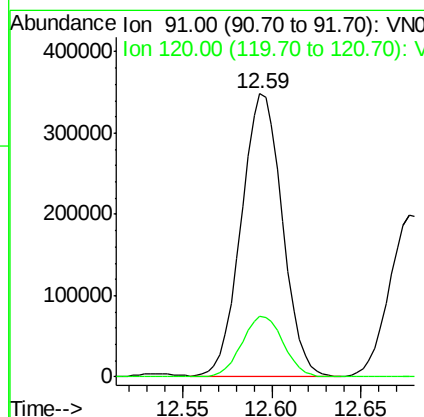
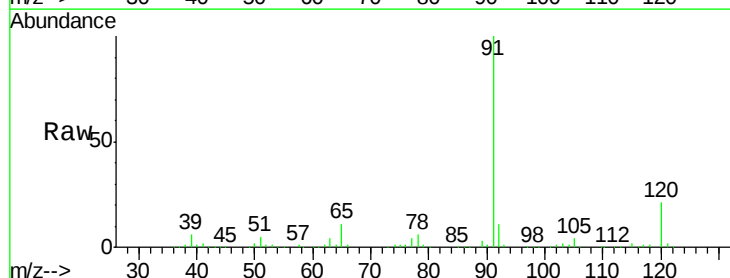
RT: 12.59 min Scan# 3365

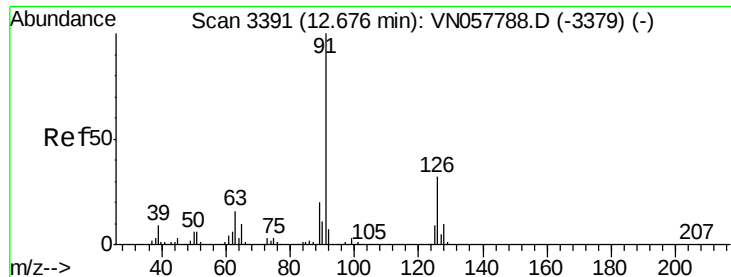
Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Tgt Ion:	91	Resp:	558344
Ion Ratio	Lower	Upper	
91	100		
120	21.7	0.0	43.4





#75

2-Chlorotoluene

Concen: 20.004 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 333670

Ion Ratio Lower Upper

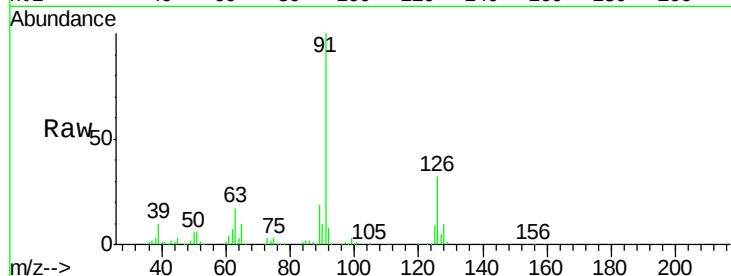
91 100

126 31.7 0.0 64.8

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Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057788.D (-3379) (-)

300000

250000

200000

150000

100000

50000

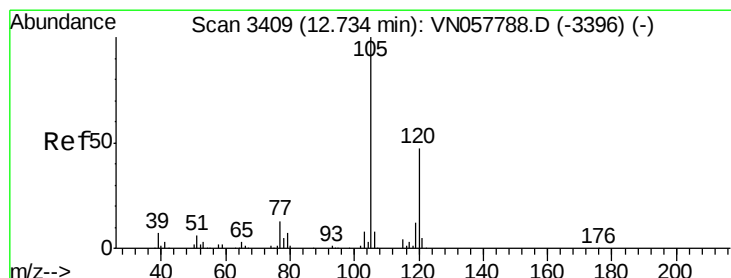
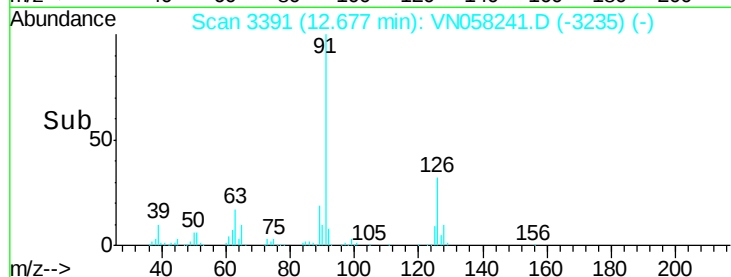
0

12.65

12.68

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.169 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058241.D

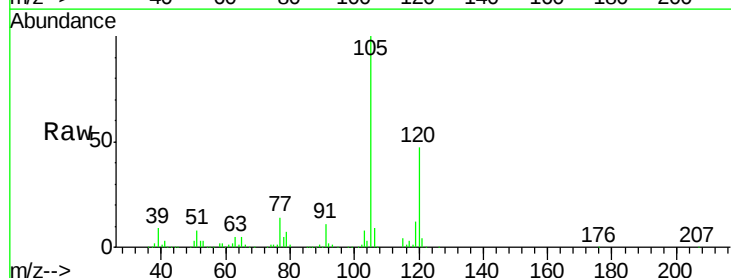
Acq: 20 Sep 2019 11:42

Tgt Ion: 105 Resp: 402554

Ion Ratio Lower Upper

105 100

120 47.2 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN057788.D (-3396) (-)

300000

250000

200000

150000

100000

50000

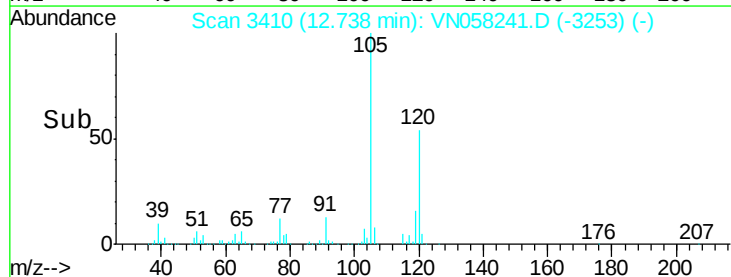
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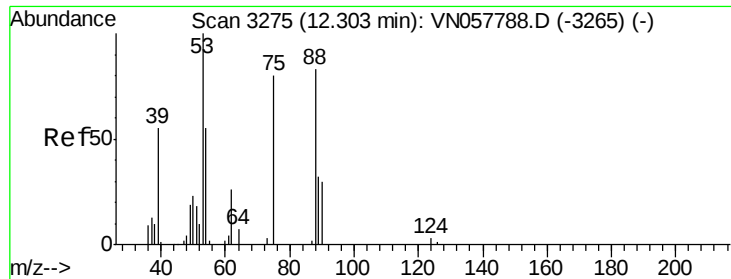
12.70

12.74

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.514 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 33783

Ion Ratio Lower Upper

75 100

53 114.3 62.7 188.2

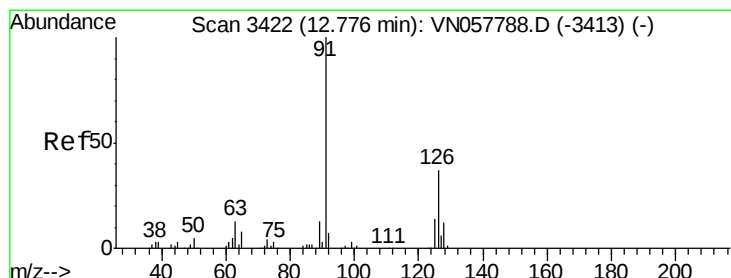
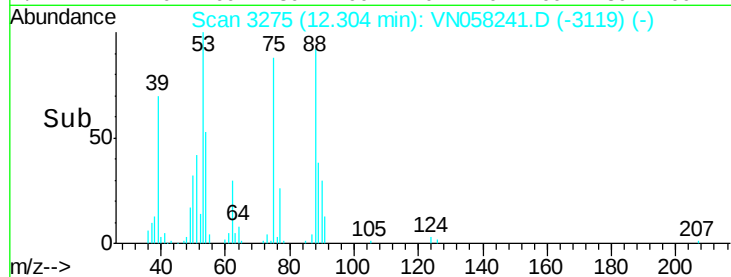
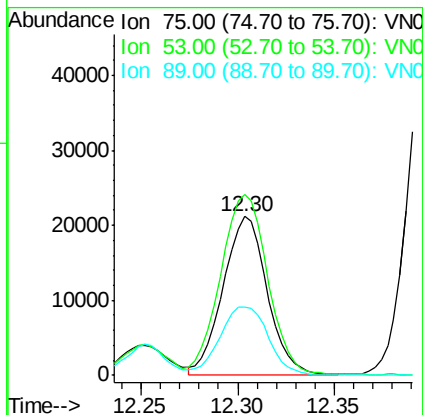
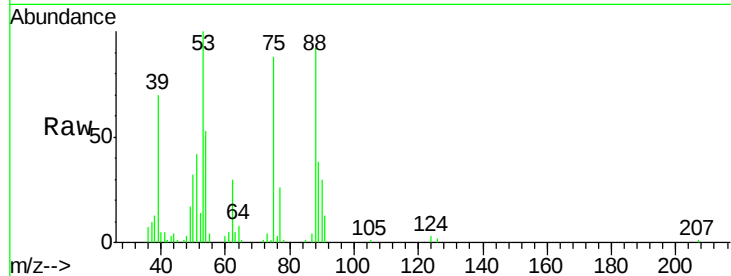
89 43.7 22.8 68.3

Manual Integrations

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#78

4-Chlorotoluene

Concen: 19.517 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058241.D

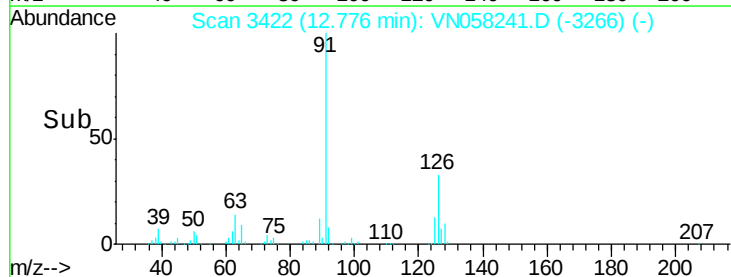
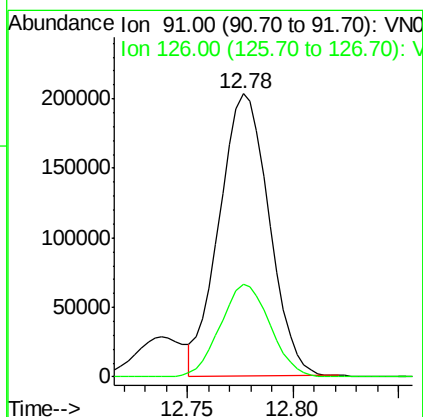
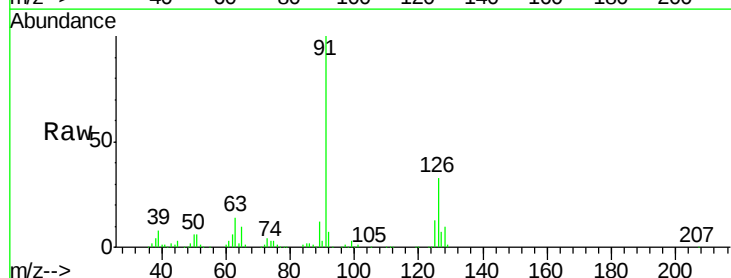
Acq: 20 Sep 2019 11:42

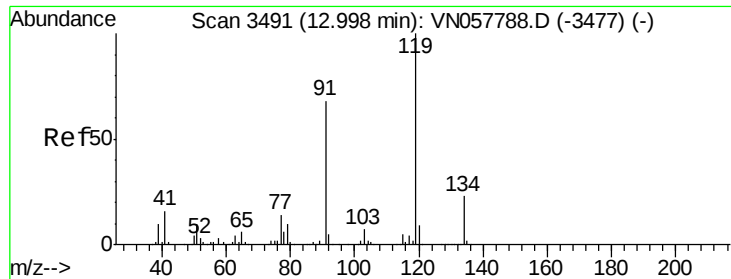
Tgt Ion: 91 Resp: 332075

Ion Ratio Lower Upper

91 100

126 32.9 0.0 65.2





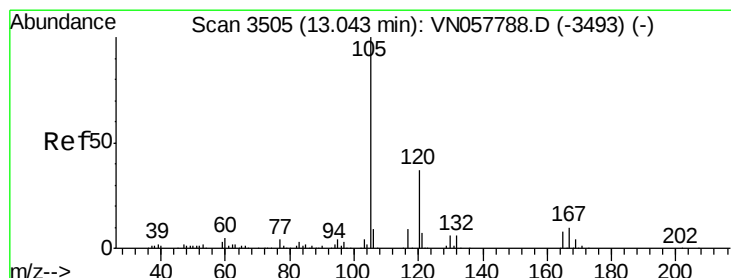
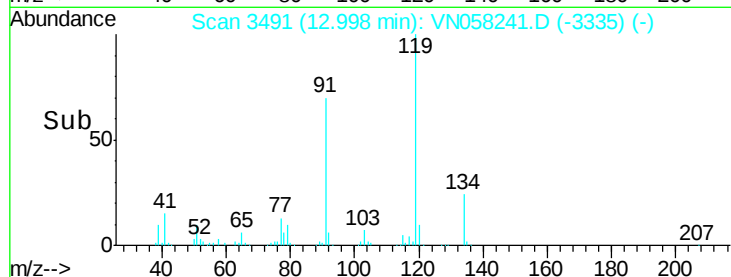
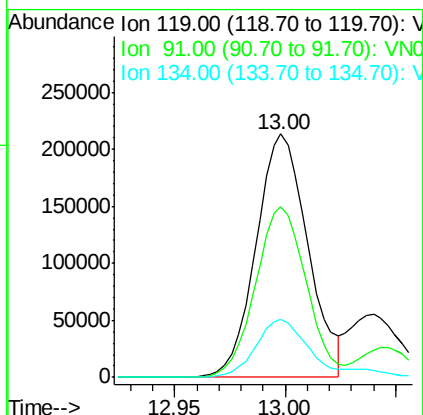
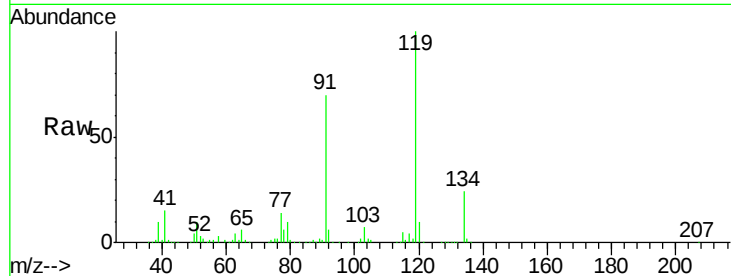
#79
tert-butylbenzene
Concen: 19.991 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	348099		
91	68.7	0.0	133.8	
134	23.7	0.0	46.4	

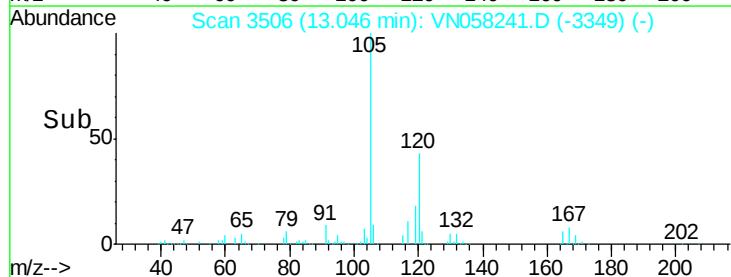
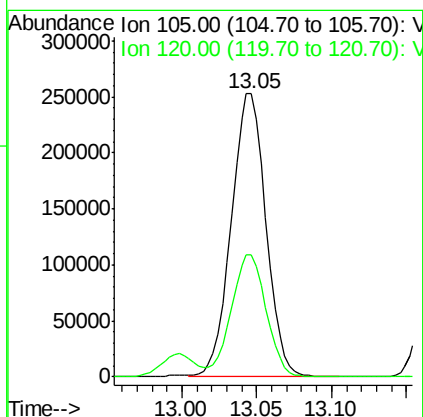
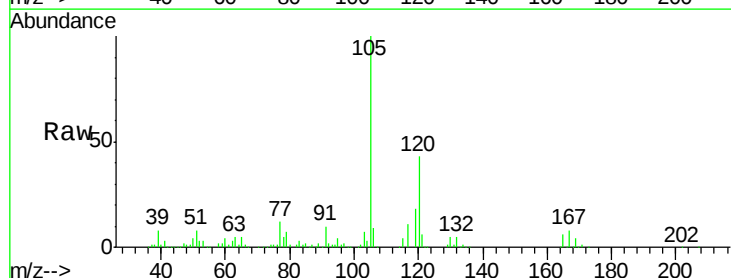
Manual Integrations
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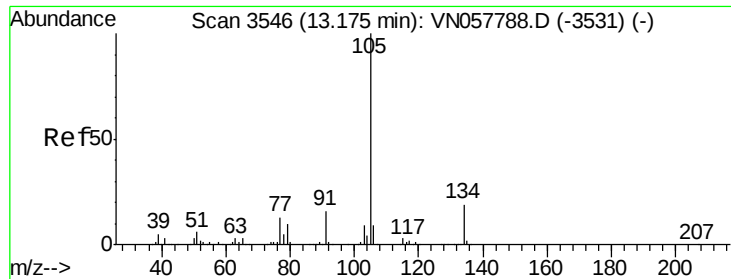
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.433 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	406361		
120	43.1	0.0	87.8	





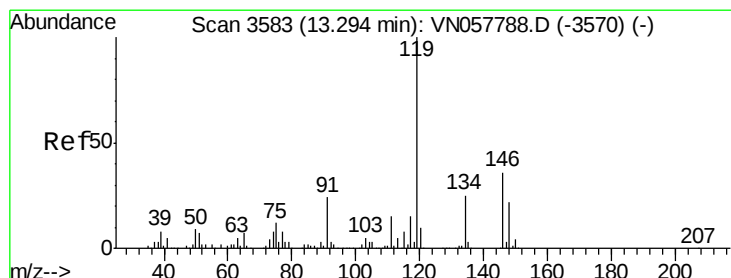
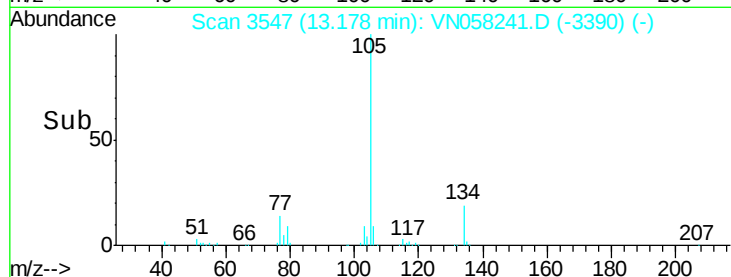
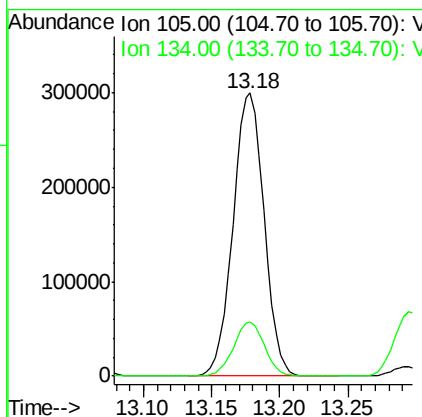
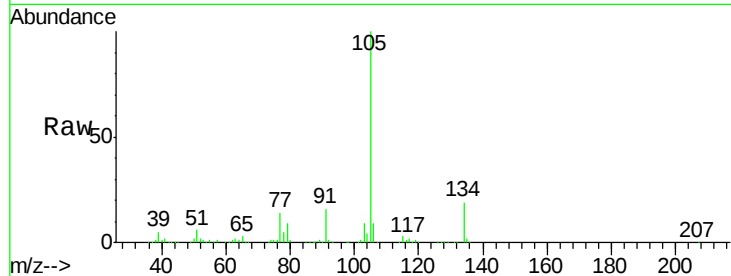
#81
 sec-Butylbenzene
 Concen: 20.435 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	0.0	37.6

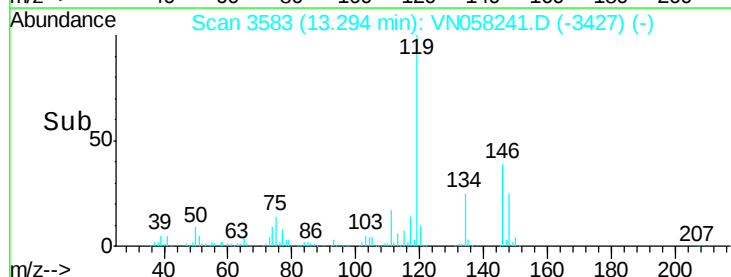
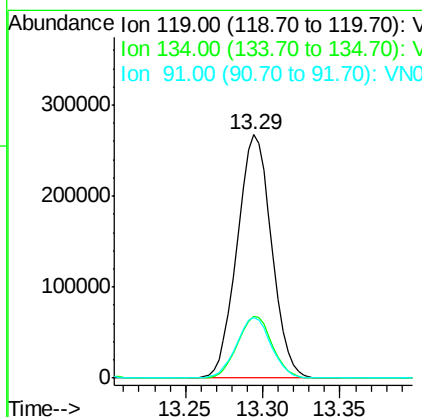
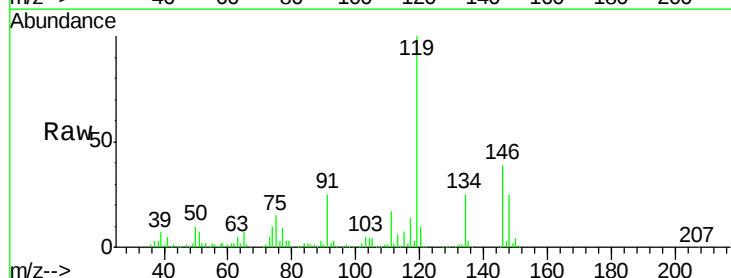
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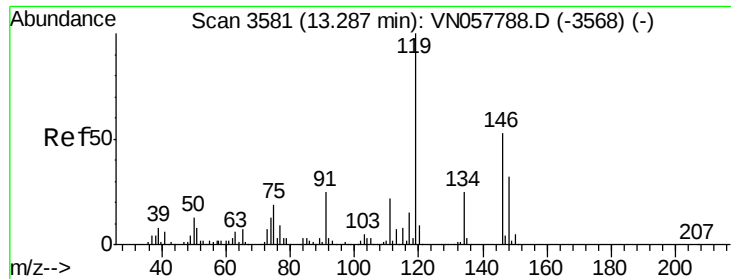
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 19.977 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	0.0	50.4
91	24.8	0.0	48.8





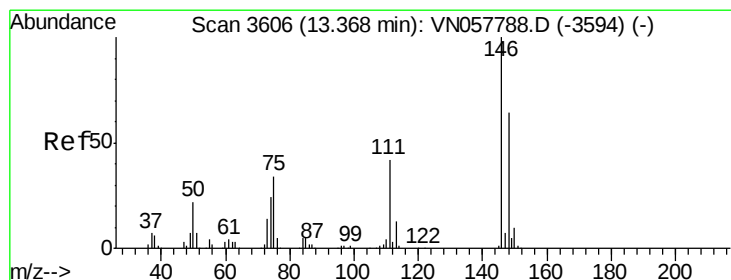
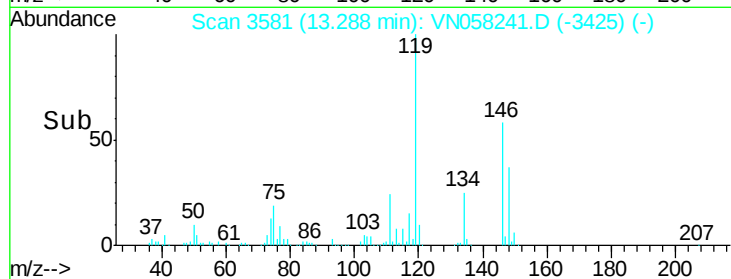
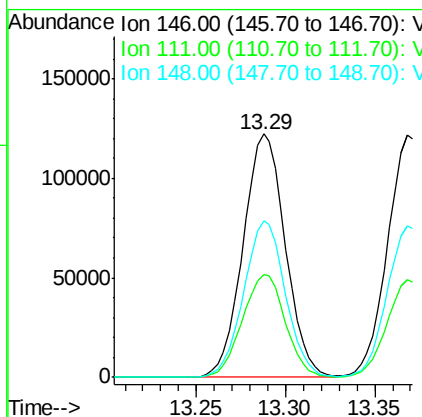
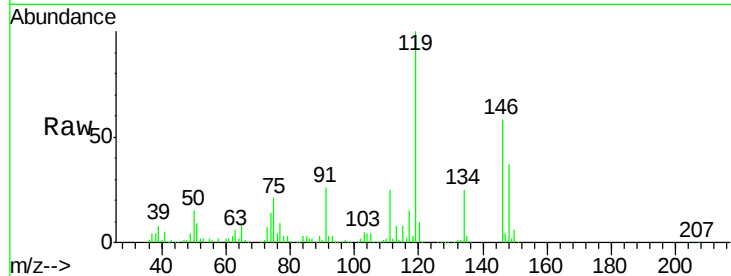
#83
 1,3-Dichlorobenzene
 Concen: 19.359 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.7	62.1
148	63.4	30.9	92.5

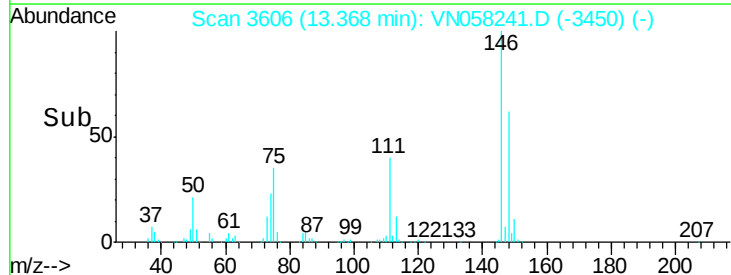
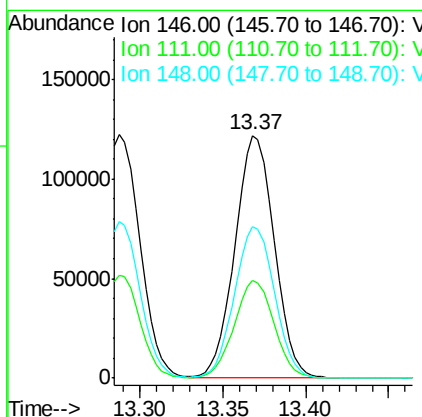
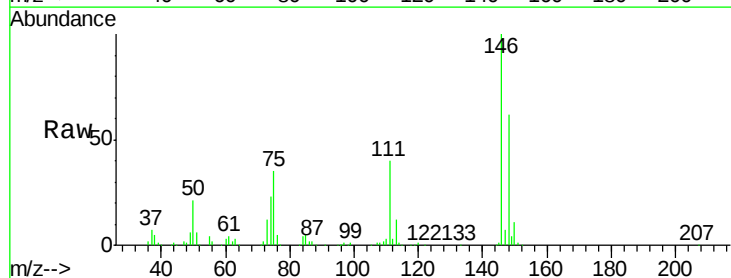
Manual Integrations
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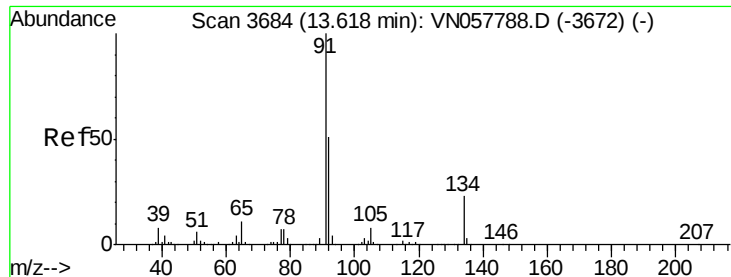
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#84
 1,4-Dichlorobenzene
 Concen: 19.590 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.1	63.4
148	63.9	31.7	95.1





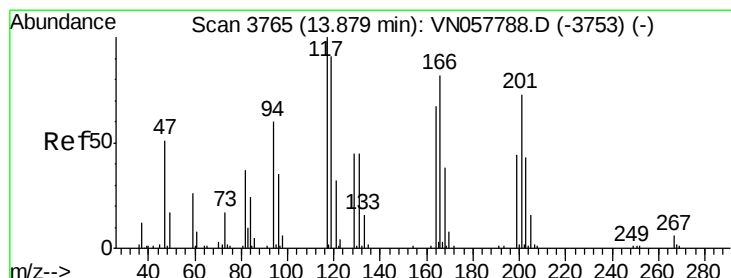
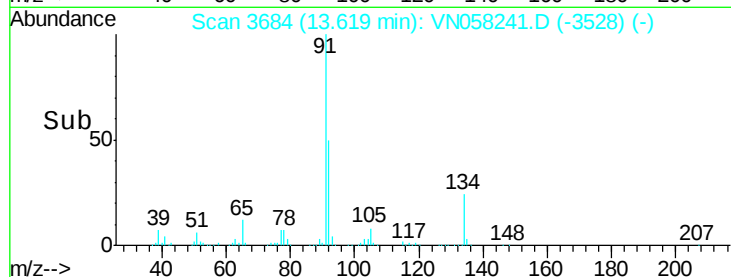
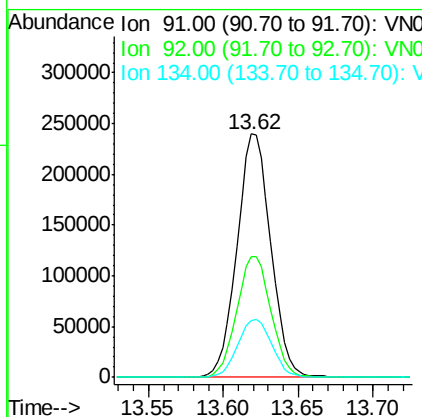
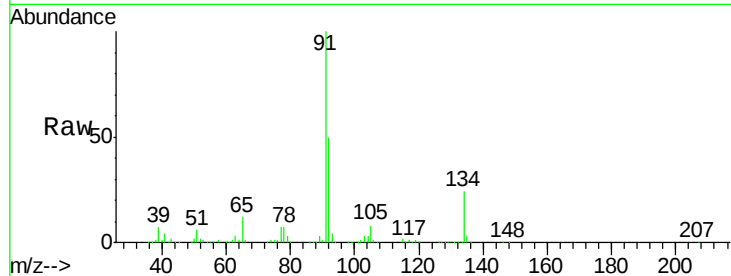
#85
n-Butylbenzene
Concen: 19.549 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	376958		
92	50.2		0.0	100.0
134	24.2		0.0	46.6

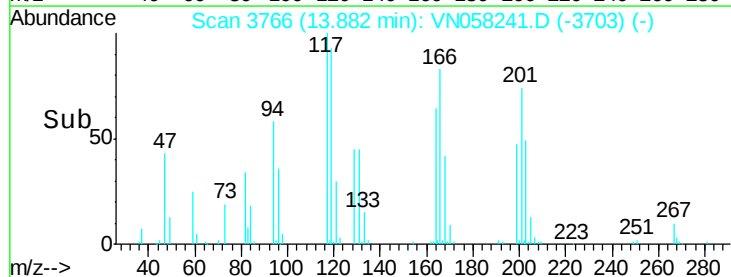
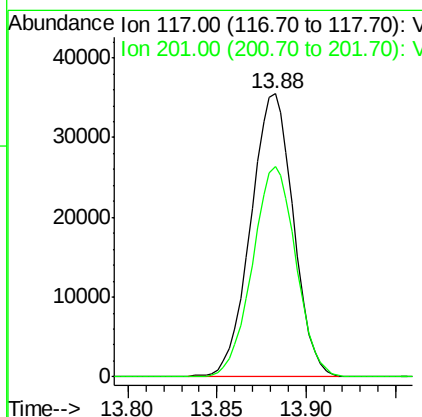
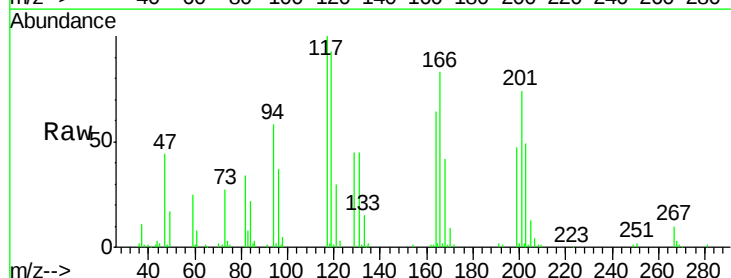
Manual Integrations
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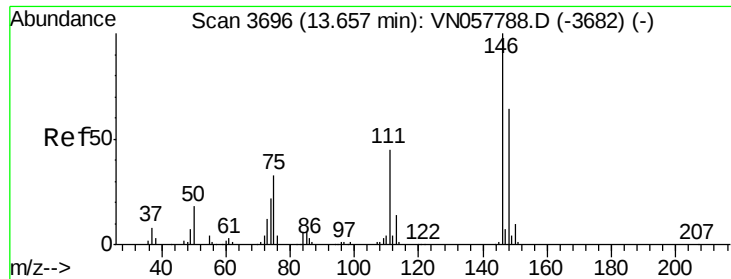
MMDadoda
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#86
Hexachloroethane
Concen: 18.019 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	59383		
201	75.6		36.7	110.1





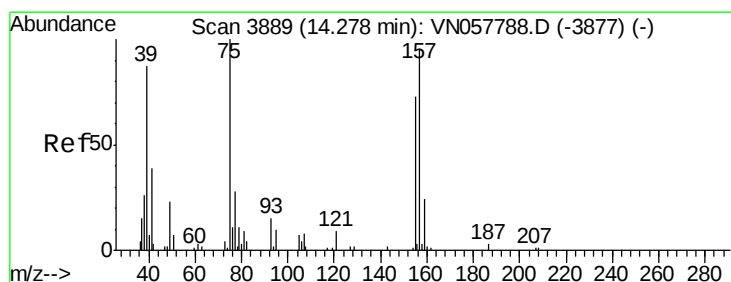
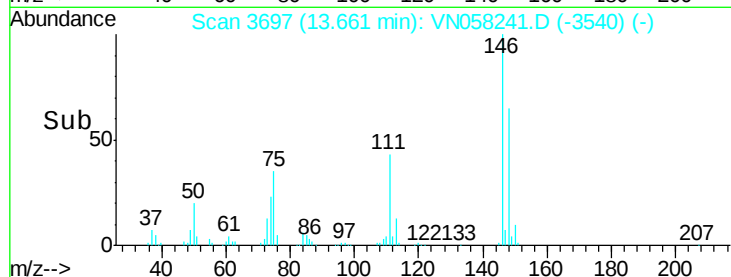
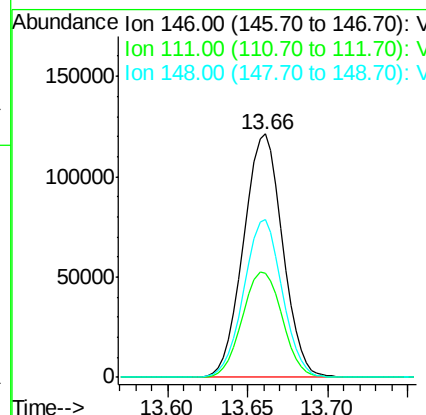
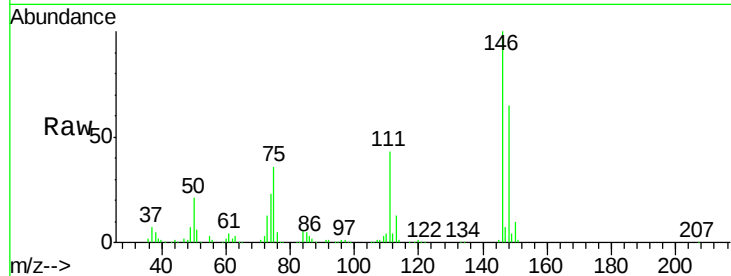
#87
 1,2-Dichlorobenzene
 Concen: 19.957 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	63.8	32.1	96.3

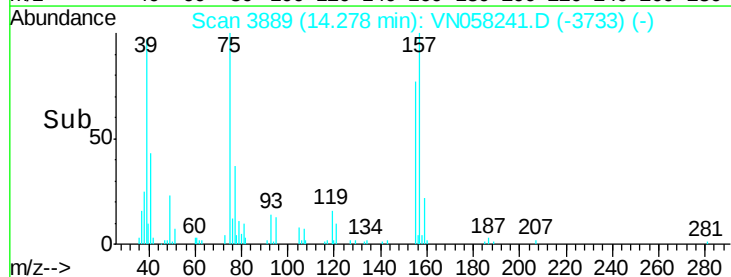
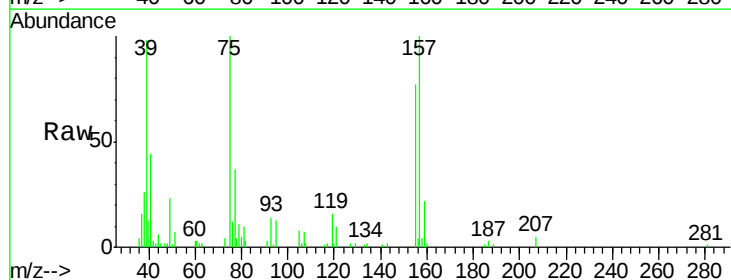
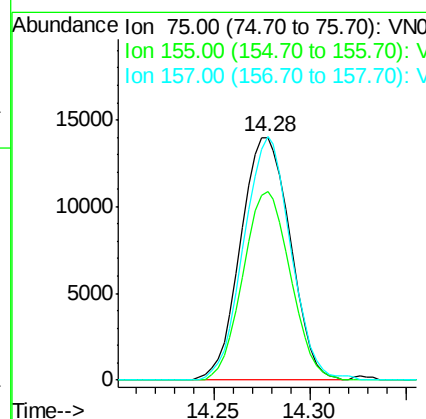
Manual Integrations
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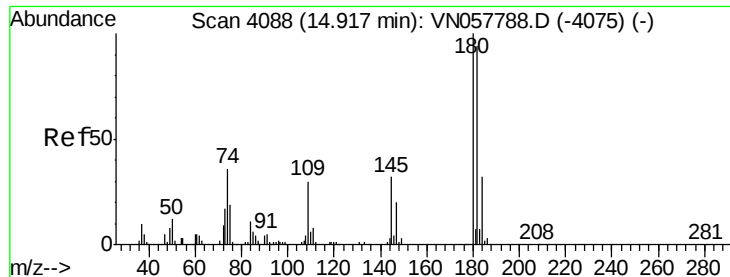
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.389 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	59.4	89.2
157	94.4	74.6	112.0





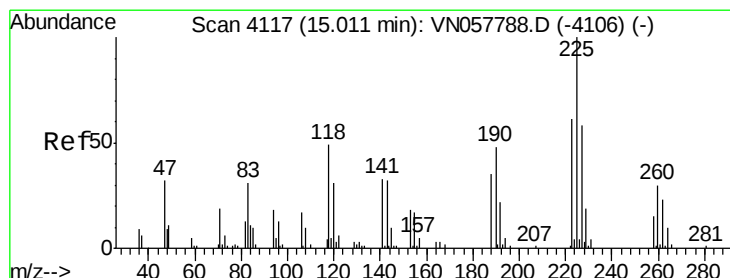
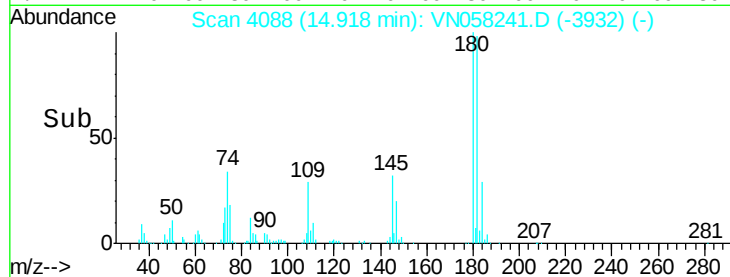
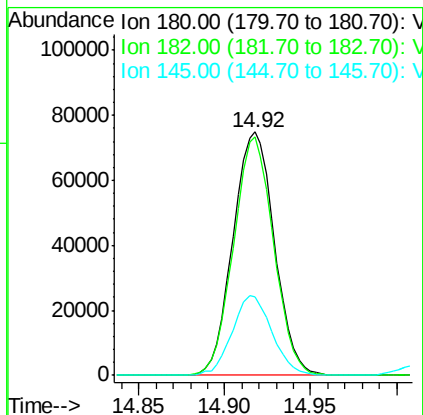
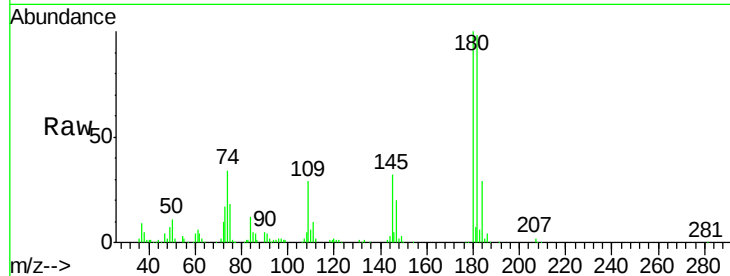
#89
1,2,4-Trichlorobenzene
Concen: 20.228 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125110		
182	94.8	77.0	115.4	
145	31.4	26.1	39.1	

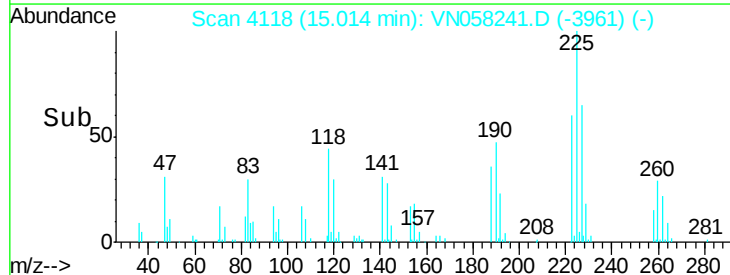
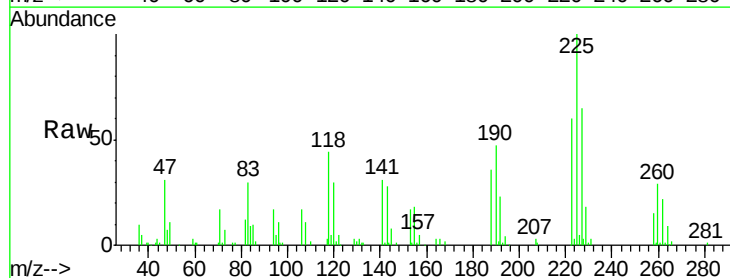
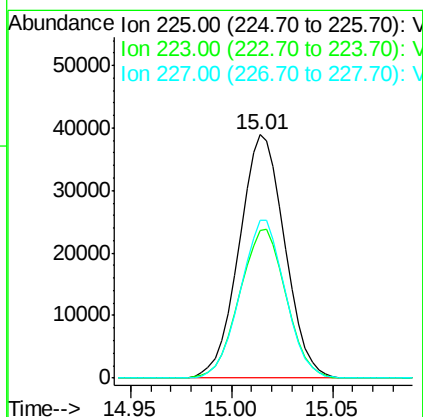
Manual Integrations
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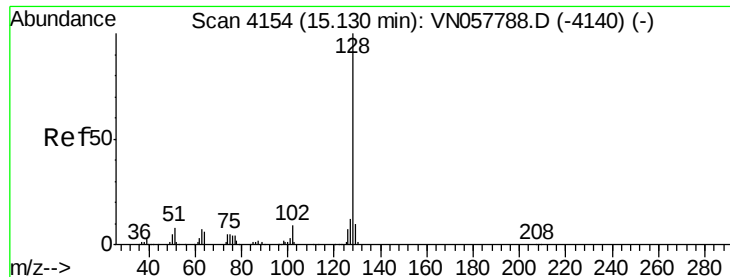
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#90
Hexachlorobutadiene
Concen: 21.722 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61700		
223	62.2	0.0	125.0	
227	63.7	0.0	123.8	





#91

Naphthalene

Concen: 20.283 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

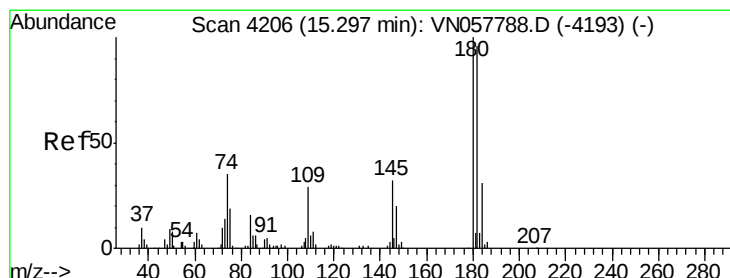
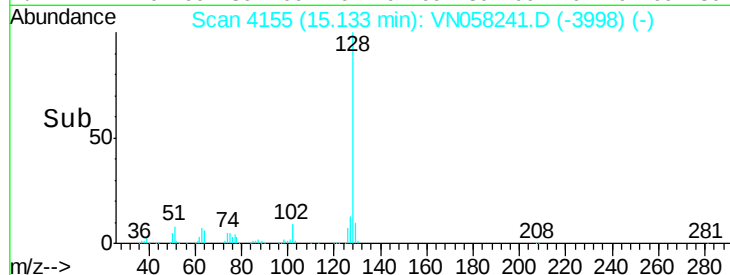
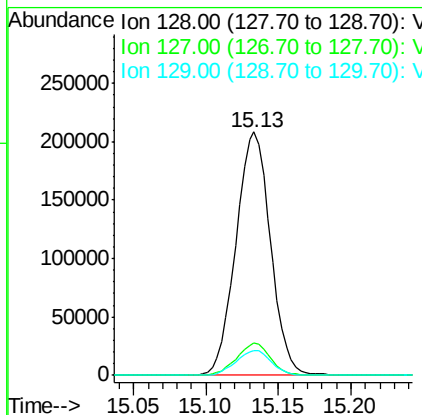
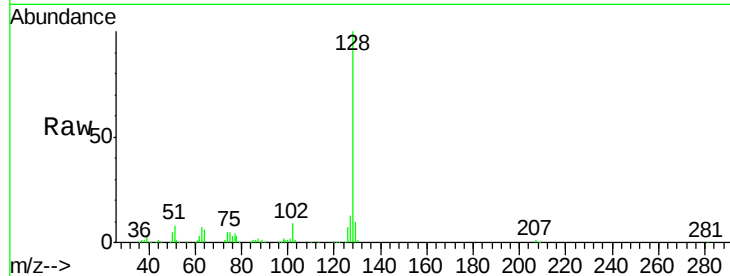
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	345173
Ion Ratio	Lower	Upper	
128	100		
127	13.0	9.9	14.9
129	10.4	8.1	12.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 20.857 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Tgt Ion:	180	Resp:	123028
Ion Ratio	Lower	Upper	
180	100		
182	91.7	0.0	189.8
145	32.2	0.0	65.0

