

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082319\
 Data File : VN057463.D
 Acq On : 23 Aug 2019 9:37
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 1:11:51 PM

Quant Time: Aug 23 23:04:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 22:53:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	66780	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	392757	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	321641	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	197913	41.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	138.90%
60) 4-Bromofluorobenzene	12.40	95	150926	31.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.50%
63) Toluene-d8	10.08	98	500738	33.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	112.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	71869	20.984	ug/l 100
3) Chloromethane	2.05	50	107269	25.285	ug/l 100
4) Vinyl Chloride	2.17	62	141582	31.918	ug/l 100
5) Bromomethane	2.55	94	90022	27.719	ug/l 100
6) Chloroethane	2.69	64	92290	30.788	ug/l 100
7) Trichlorofluoromethane	3.00	101	220335	31.287	ug/l 100
8) Diethyl Ether	3.39	74	84194	31.966	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	124711	30.218	ug/l 100
10) 1,1-Dichloroethene	3.71	96	116556	28.852	ug/l 100
11) Methyl Iodide	3.92	142	89288	15.507	ug/l 100
12) Methyl Acetate	4.30	43	112353	25.288	ug/l 100
13) Acrolein	3.58	56	76324	163.514	ug/l 100
14) Acrylonitrile	4.97	53	202382	117.518	ug/l 100
15) Acetone	3.80	58	108098	180.857	ug/l 100
16) Carbon Disulfide	4.02	76	203927	20.528	ug/l 100
17) Allyl chloride	4.29	41	157740	27.170	ug/l 100
18) Methylene Chloride	4.52	84	85014	20.548	ug/l 100
19) trans-1,2-Dichloroethene	5.01	96	77845	19.963	ug/l 100
20) Diisopropyl ether	5.93	45	341616	28.120	ug/l 100
21) 1,1-Dichloroethane	5.82	63	177719	24.799	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	98130	21.387	ug/l 100
23) tert-Butyl Alcohol	4.78	59	72903	118.061	ug/l 100
24) Methyl tert-Butyl Ether	5.02	73	269665	23.389	ug/l 100
25) Chloroform	7.36	83	173154	23.487	ug/l 100
26) Cyclohexane	7.63	56	155379	25.749	ug/l # 100
29) 1,1-Dichloropropene	7.78	75	128737	22.032	ug/l 100
30) 2-Butanone	6.82	43	321679	131.874	ug/l 100
31) 2,2-Dichloropropane	6.80	77	149556	23.118	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	148254	21.669	ug/l 100
33) Carbon Tetrachloride	7.76	117	121704	20.230	ug/l 100
34) Benzene	8.03	78	384335	21.786	ug/l 100
35) Methacrylonitrile	7.16	41	66509	20.935	ug/l 100
36) 1,2-Dichloroethane	8.11	62	147806	24.684	ug/l 100
37) Trichloroethene	8.82	130	88139	17.976	ug/l 100
38) Methylcyclohexane	9.07	83	143133	20.997	ug/l 100
39) 1,2-Dichloropropane	9.11	63	108990	23.609	ug/l 100
40) Dibromomethane	9.20	93	65999	21.950	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.39	83	136222	22.229	ug/l	100
42) Vinyl Acetate	5.87	43	1393321	134.843	ug/l	100
43) Ethyl Acetate	6.91	43	121738	24.779	ug/l	100
44) Isopropyl Acetate	8.16	43	231237	26.284	ug/l #	92
45) 1,4-Dioxane	9.20	88	27436	364.506	ug/l	100
46) Methyl methacrylate	9.19	41	108240	27.062	ug/l	100
47) n-amyl Acetate	12.07	43	173038	26.129	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	140973	21.424	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	159501	21.776	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	87053	20.260	ug/l	100
51) Ethyl methacrylate	10.43	69	138700	21.702	ug/l	99
52) 1,3-Dichloropropane	10.70	76	159006	22.138	ug/l	100
53) Dibromochloromethane	10.90	129	90402	18.618	ug/l	100
54) 1,2-Dibromoethane	11.00	107	85573	19.165	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	149444	100.074	ug/l	100
56) Bromoform	12.13	173	50486	14.288	ug/l #	100
58) 4-Methyl-2-Pentanone	9.98	43	646063	139.644	ug/l	100
59) 2-Hexanone	10.75	43	449750	136.605	ug/l	100
61) Tetrachloroethene	10.63	164	75730	16.993	ug/l	100
62) Toluene	10.15	91	396553	22.012	ug/l	100
64) Chlorobenzene	11.43	112	211123	19.203	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	80454	18.997	ug/l	100
66) Ethyl Benzene	11.51	91	416474	21.266	ug/l	100
67) m/p-Xylenes	11.62	106	286646	39.797	ug/l	100
68) o-Xylene	11.95	106	145047	20.471	ug/l	100
69) Styrene	11.96	104	217019	19.203	ug/l	100
70) Isopropylbenzene	12.25	105	379378	20.063	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	109655	20.935	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	98439m	21.923	ug/l	
73) Bromobenzene	12.53	156	74273	15.489	ug/l	100
74) n-propylbenzene	12.59	91	415678	20.733	ug/l	100
75) 2-Chlorotoluene	12.67	91	251777	20.476	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	309871	19.758	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	34488	20.115	ug/l	100
78) 4-Chlorotoluene	12.77	91	222665	19.303	ug/l	100
79) tert-butylbenzene	12.99	119	263810	19.022	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	287672	19.436	ug/l	100
81) sec-Butylbenzene	13.17	105	341044	19.606	ug/l	100
82) p-Isopropyltoluene	13.29	119	275658	17.930	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	109601	15.488	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	102871	15.415	ug/l	100
85) n-Butylbenzene	13.62	91	225578	19.522	ug/l	100
86) Hexachloroethane	13.88	117	57967	19.401	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	111326	16.545	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16630	22.495	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	27897	11.557	ug/l	100
90) Hexachlorobutadiene	15.01	225	35337	12.387	ug/l	100
91) Naphthalene	15.13	128	102241	17.847	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	31215	13.329	ug/l	100

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QLast Update : Fri Aug 23 22:53:43 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

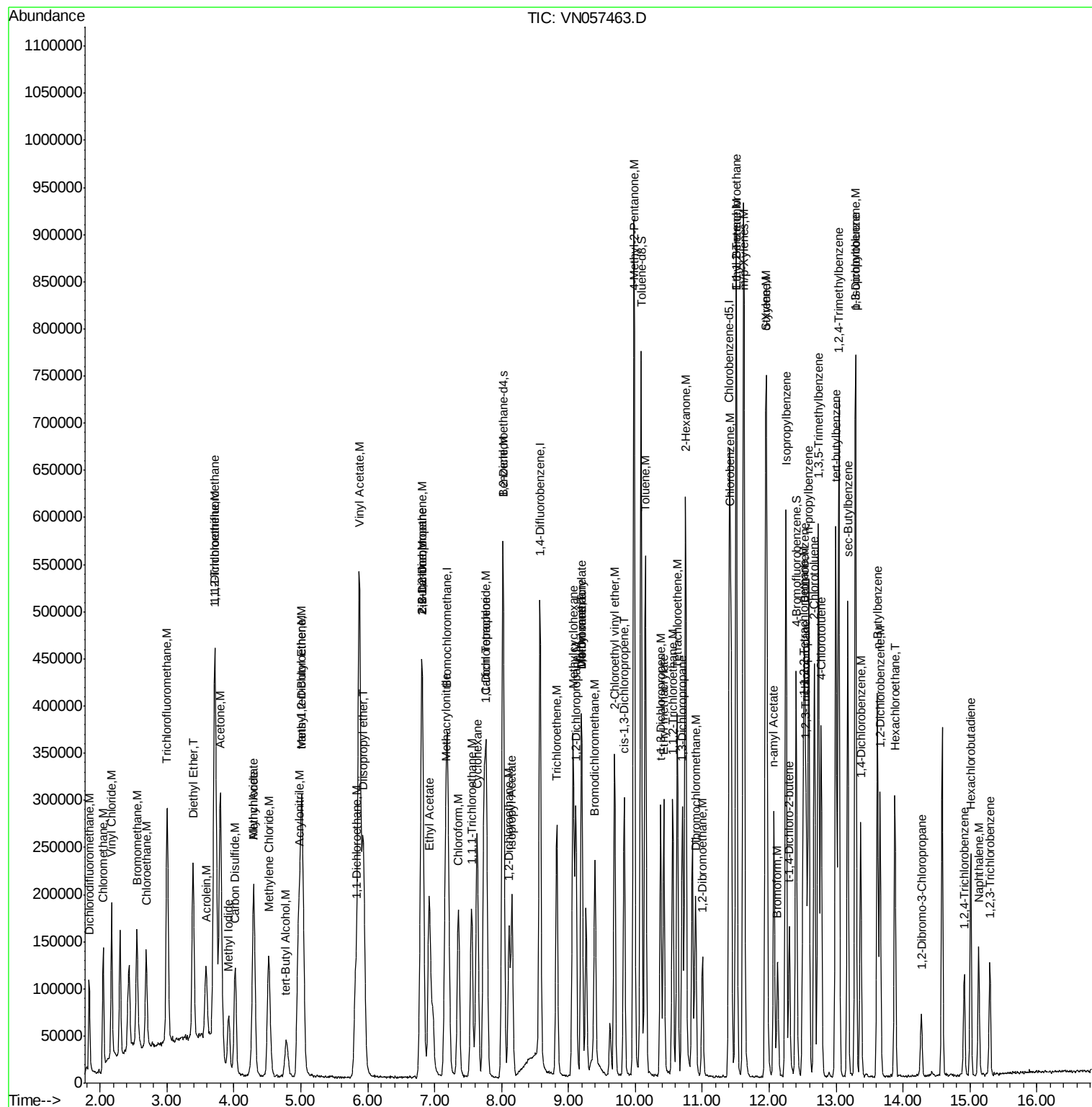
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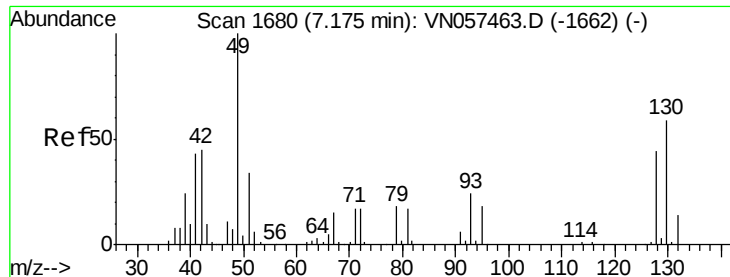
Instrument :
 MSVOA_N
 ClientSampleId :
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Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

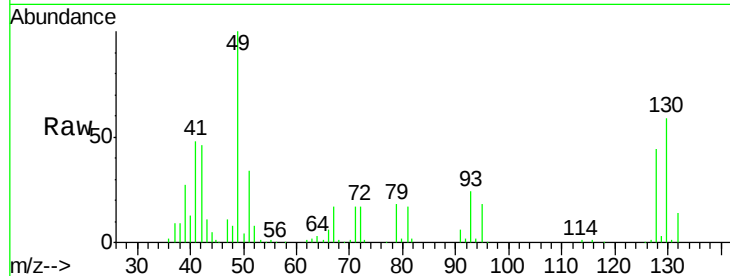
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	224.2	0.0	560.5
130	126.9	0.0	317.3

Manual Integrations
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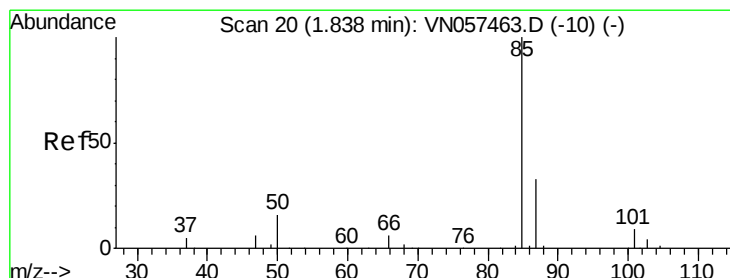
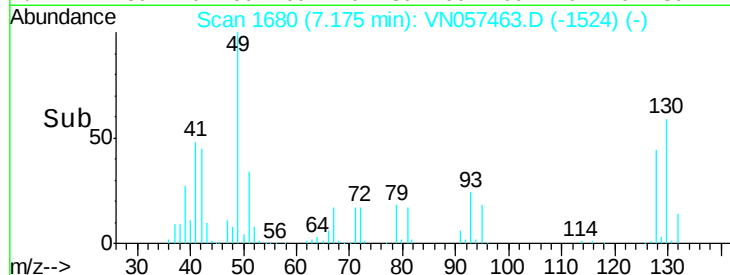
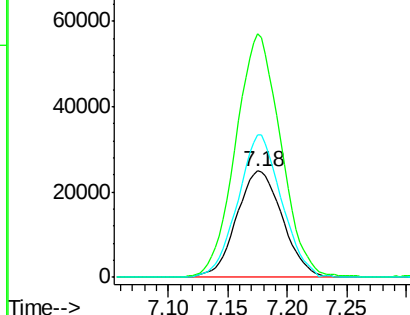
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.984 ug/l

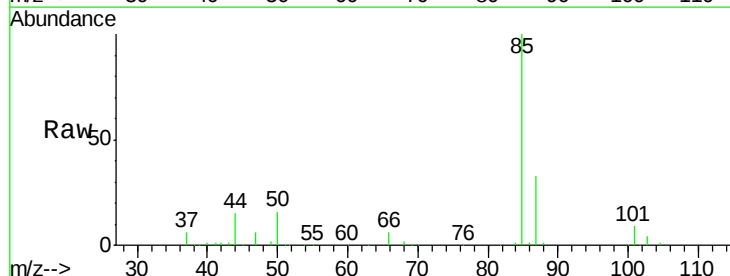
RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057463.D

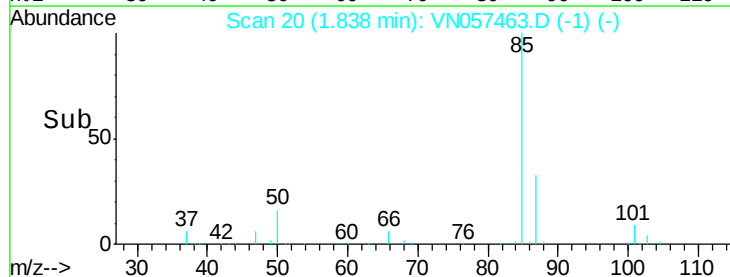
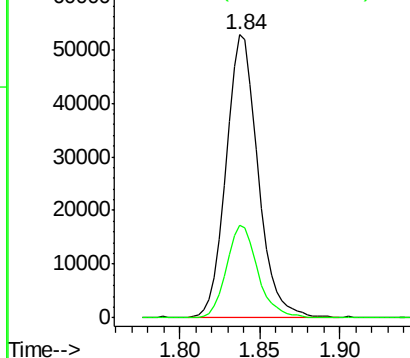
Acq: 23 Aug 2019 9:37

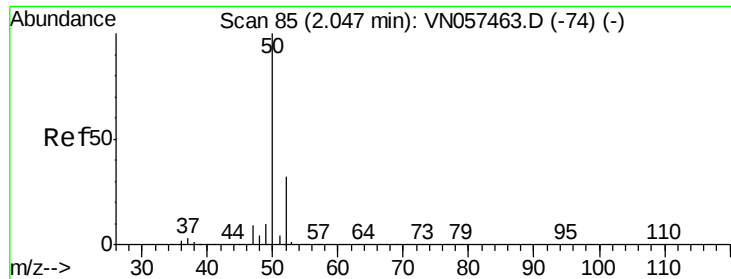
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 25.285 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 107269

Ion Ratio Lower Upper

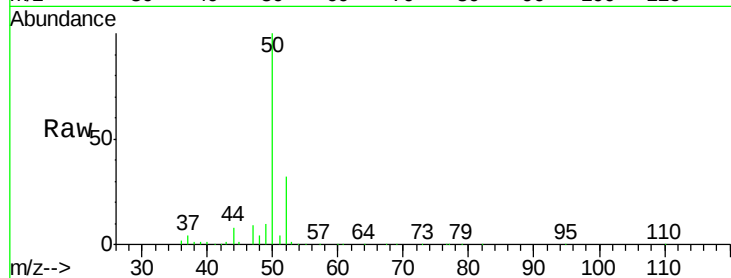
50 100

52 32.2 25.8 38.6

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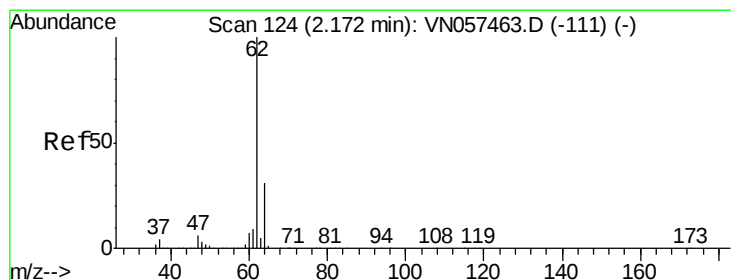
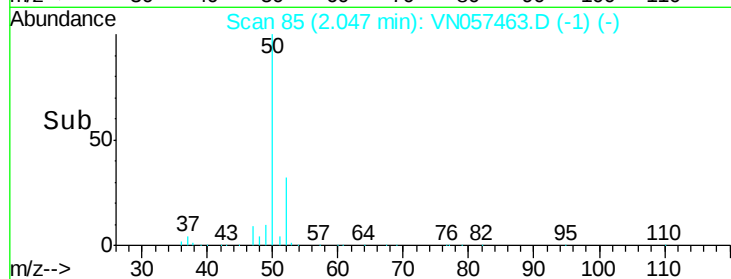
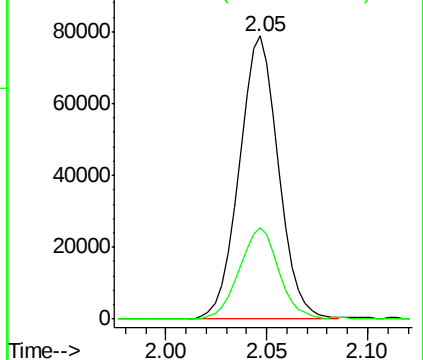
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 31.918 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057463.D

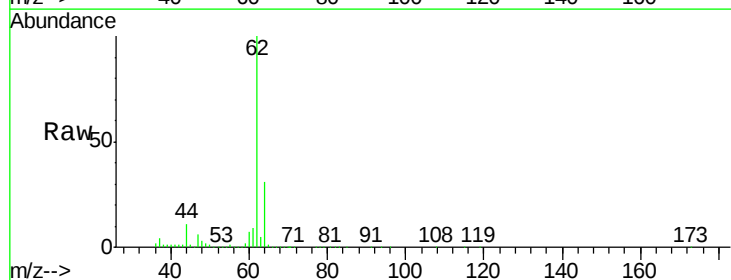
Acq: 23 Aug 2019 9:37

Tgt Ion: 62 Resp: 141582

Ion Ratio Lower Upper

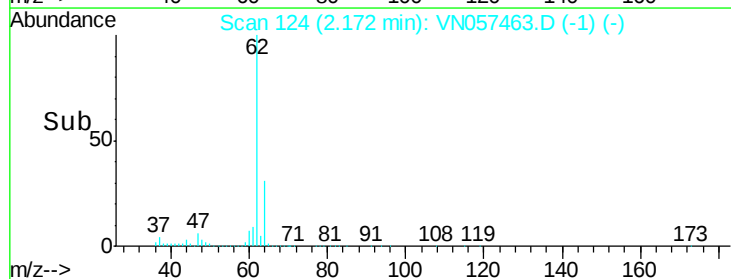
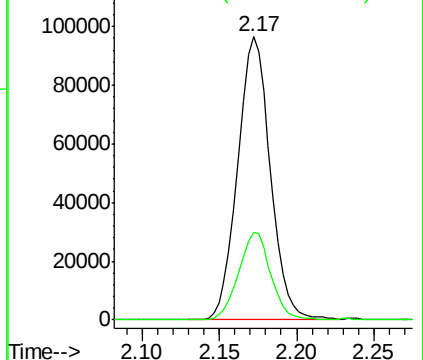
62 100

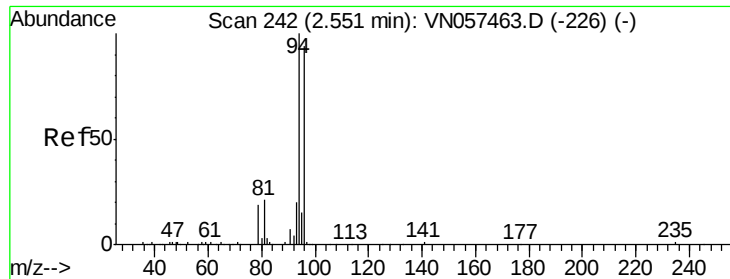
64 31.0 24.8 37.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 27.719 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

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Tot Ion: 94 Resp: 90022

Ion Ratio Lower Upper

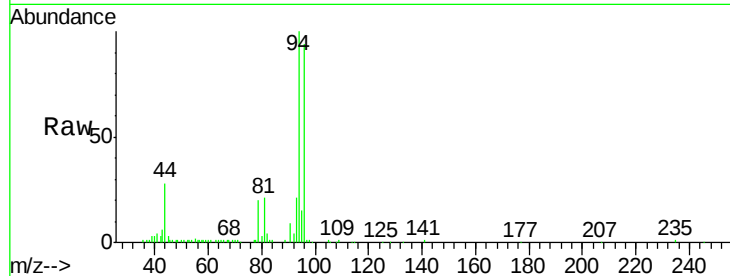
94 100

96 93.5 74.8 112.2

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.55

40000

30000

20000

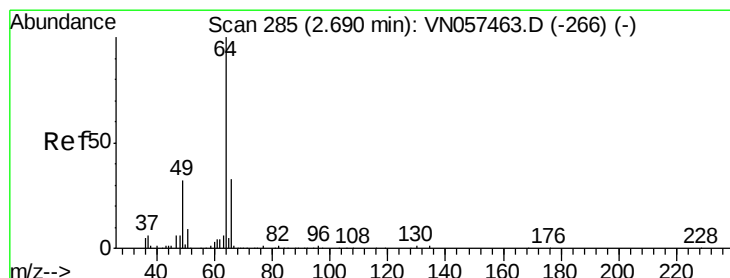
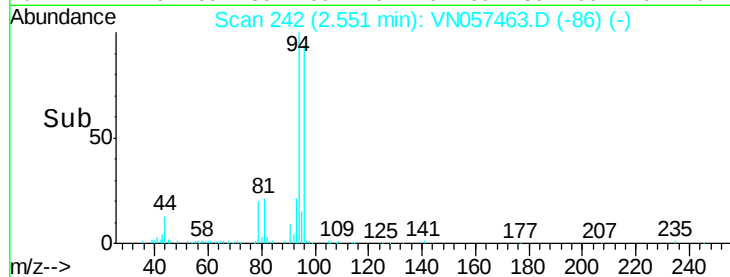
10000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 30.788 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN057463.D

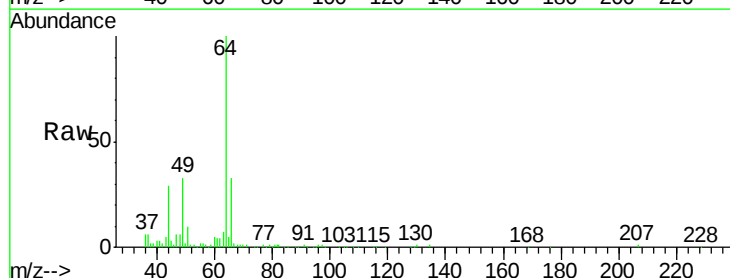
Acq: 23 Aug 2019 9:37

Tgt Ion: 64 Resp: 92290

Ion Ratio Lower Upper

64 100

66 32.9 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.69

50000

40000

30000

20000

10000

0

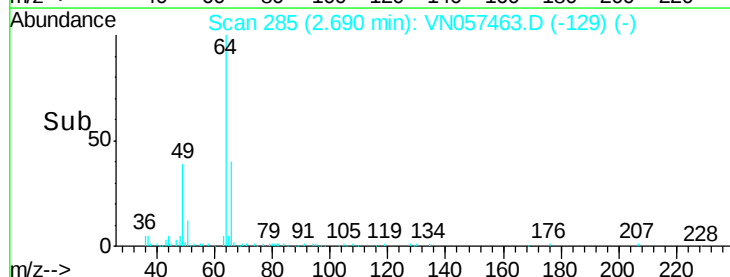
Time-->

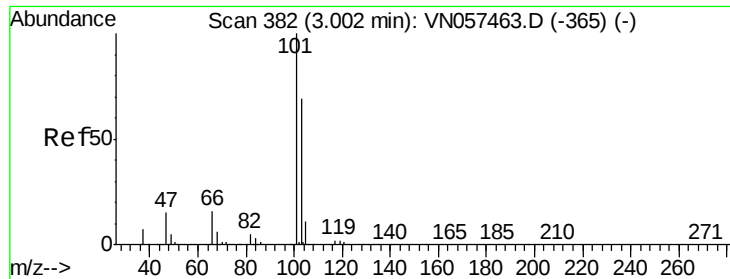
2.60

2.65

2.70

2.75





#7

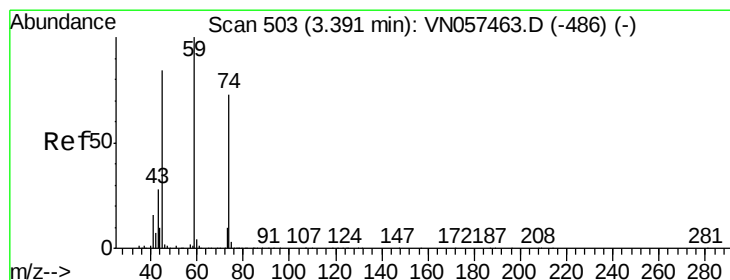
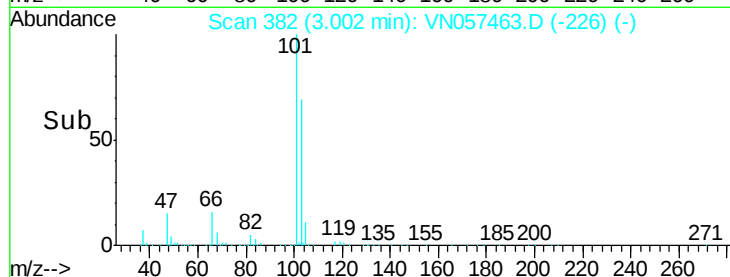
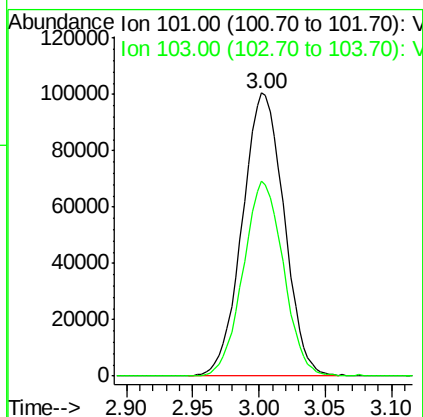
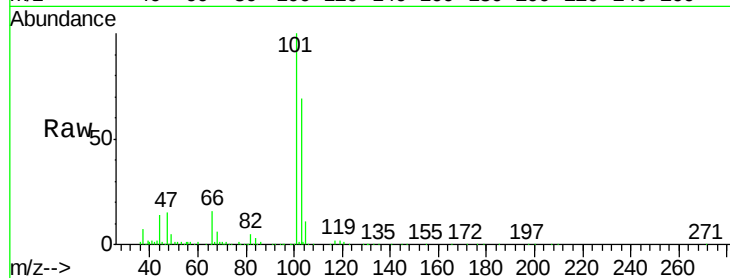
Trichlorofluoromethane
 Concen: 31.287 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		220335		
103	68.7	55.0	82.4		

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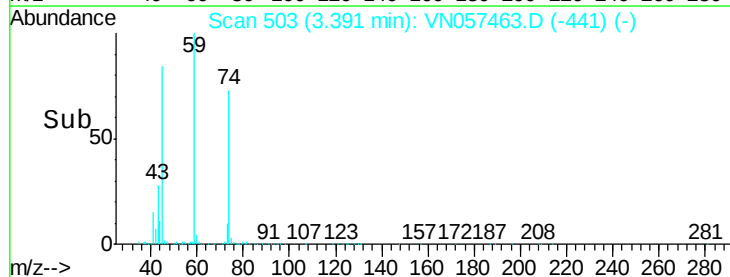
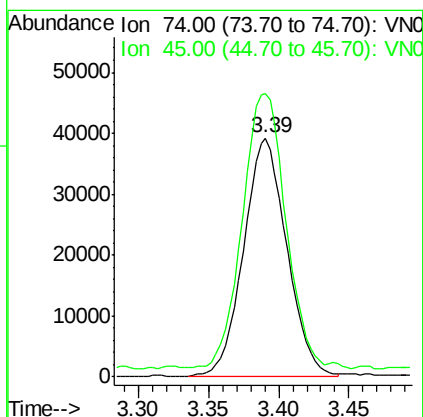
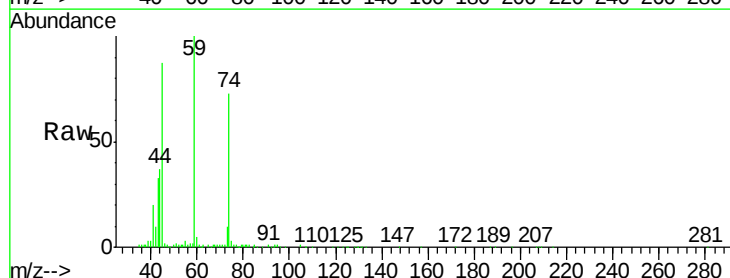
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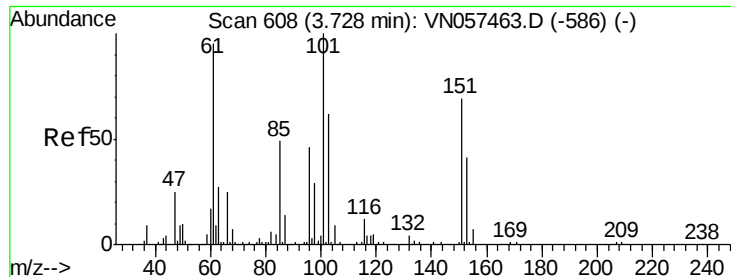


#8

Diethyl Ether
 Concen: 31.966 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		84194		
45	115.7	23.2	209.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 30.218 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

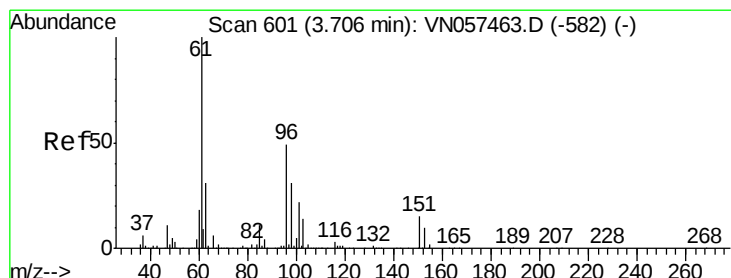
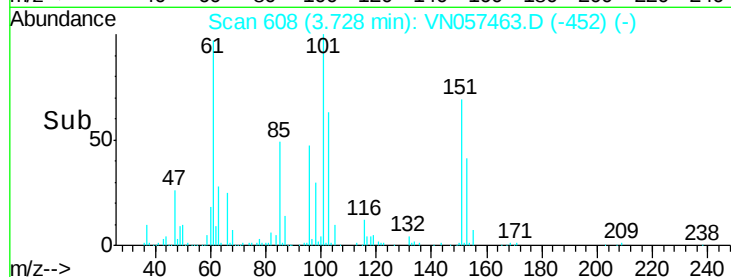
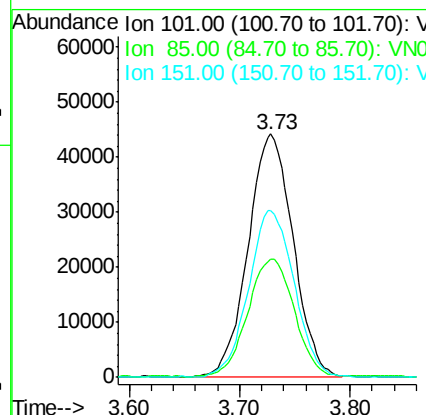
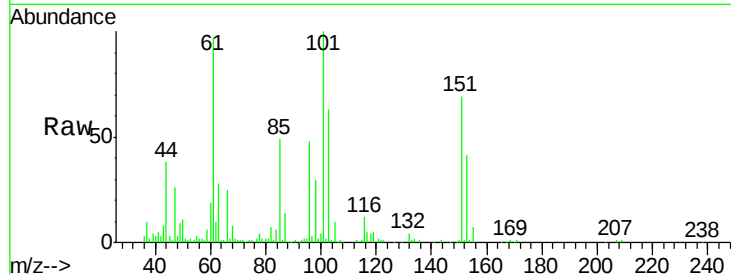
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	124711
Ion Ratio	Lower	Upper	
101	100		
85	50.8	0.0	101.6
151	69.7	0.0	139.4

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#10

1,1-Dichloroethene

Concen: 28.852 ug/l

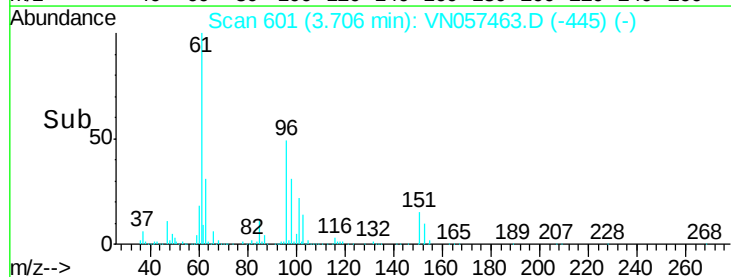
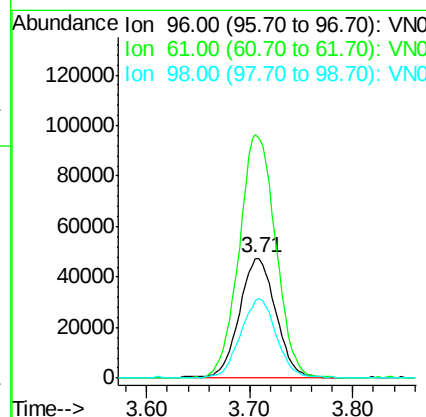
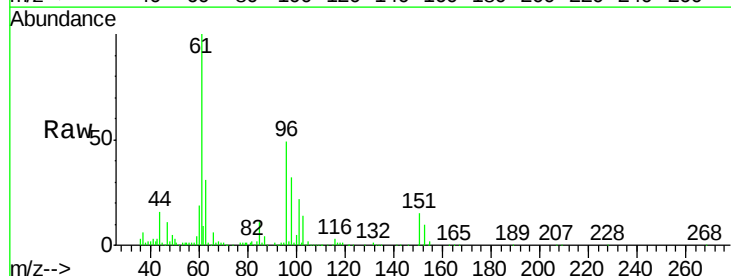
RT: 3.71 min Scan# 601

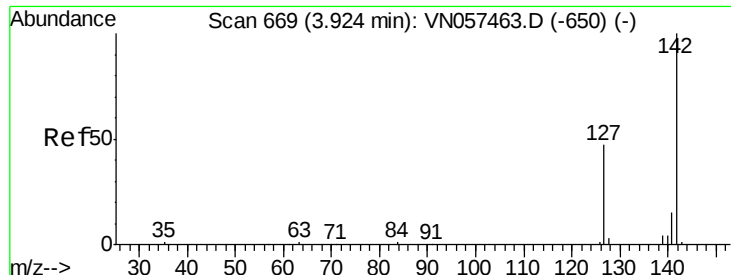
Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Tgt Ion:	96	Resp:	116556
Ion Ratio	Lower	Upper	
96	100		
61	203.3	162.6	244.0
98	63.9	51.1	76.7





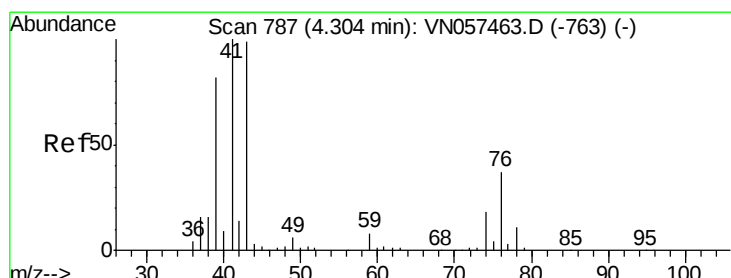
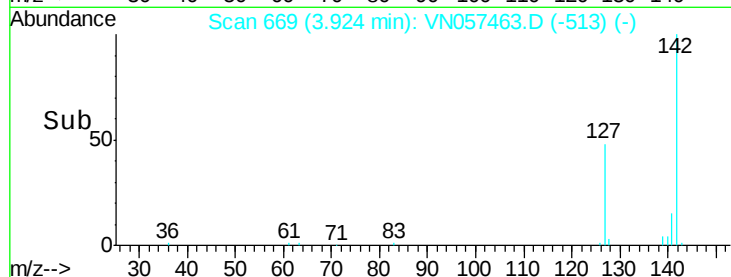
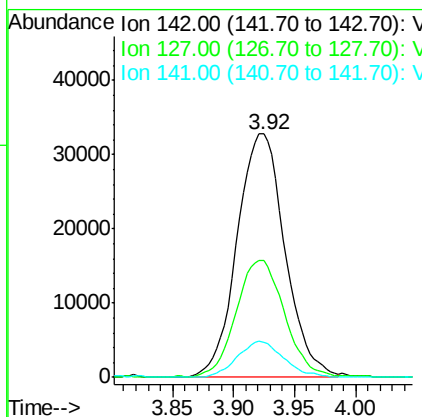
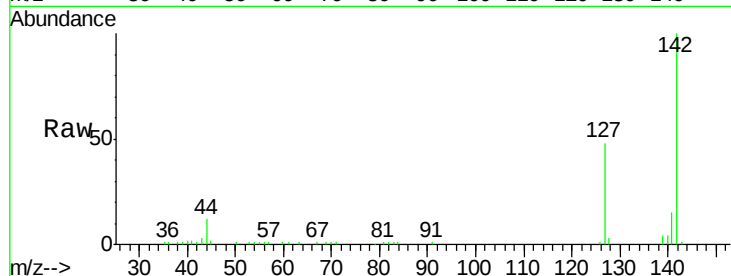
#11
Methyl Iodide
Concen: 15.507 ug/l
RT: 3.92 min Scan# 669
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.0	24.0	72.0
141	14.1	7.0	21.1

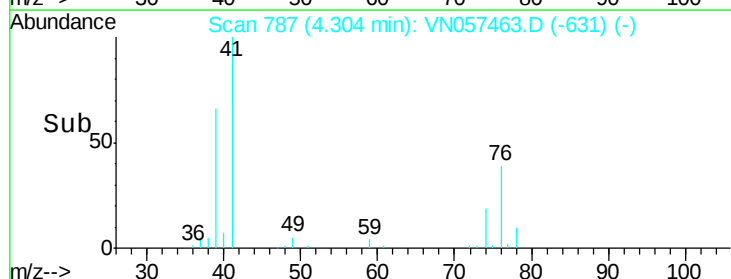
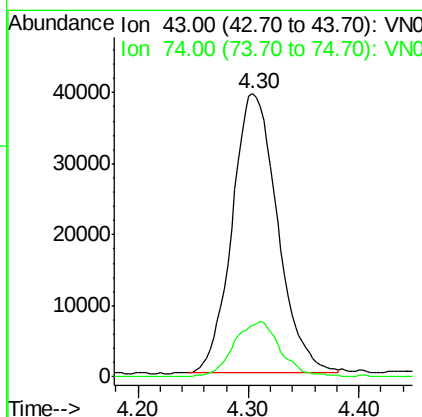
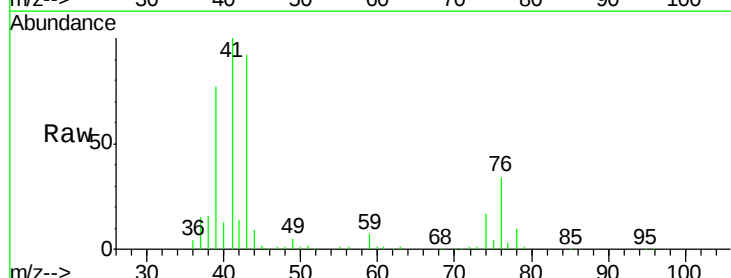
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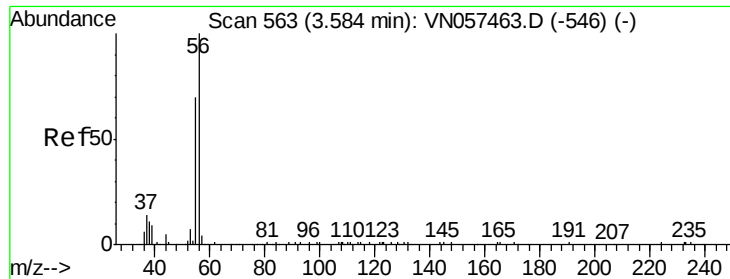
MMDadoda
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#12
Methyl Acetate
Concen: 25.288 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.5	14.6	22.0





#13

Acrolein

Concen: 163.514 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 76324

Ion Ratio Lower Upper

56 100

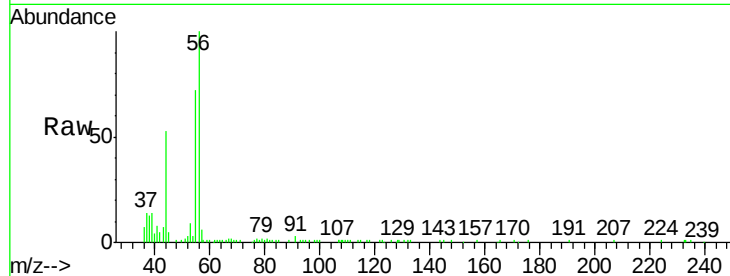
55 70.9 56.7 85.1

Manual Integrations

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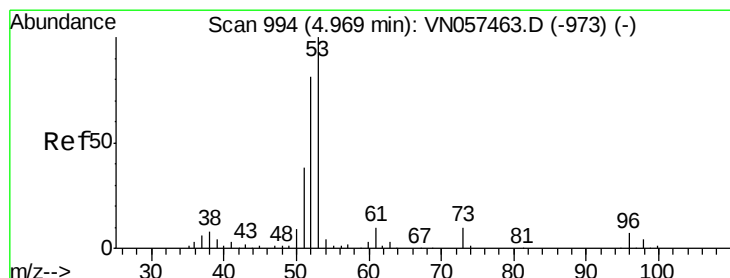
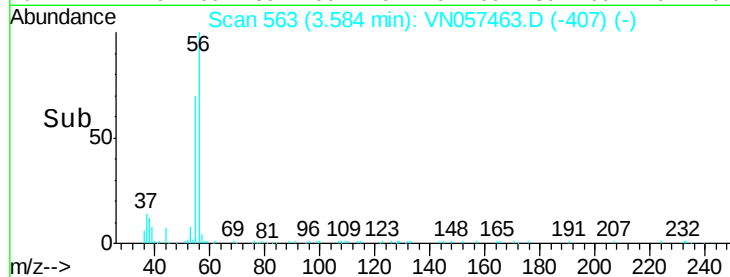
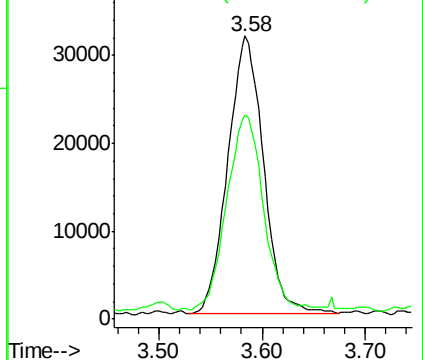
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 117.518 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

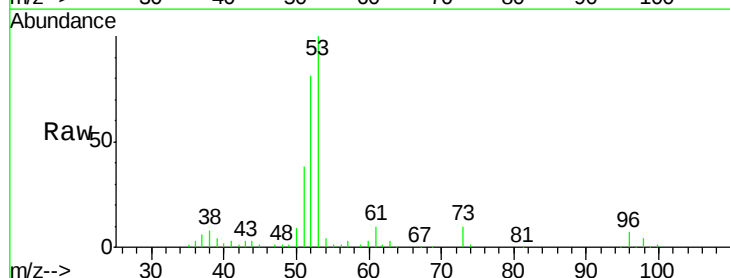
Tgt Ion: 53 Resp: 202382

Ion Ratio Lower Upper

53 100

52 82.6 41.3 123.9

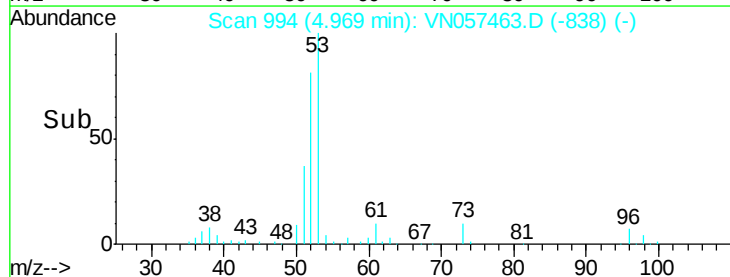
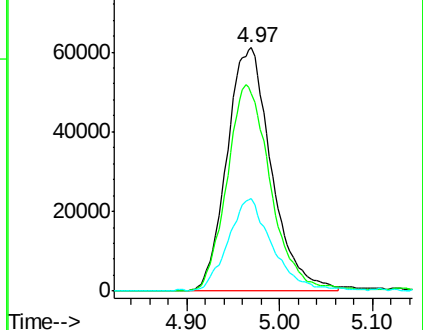
51 36.6 18.3 54.9

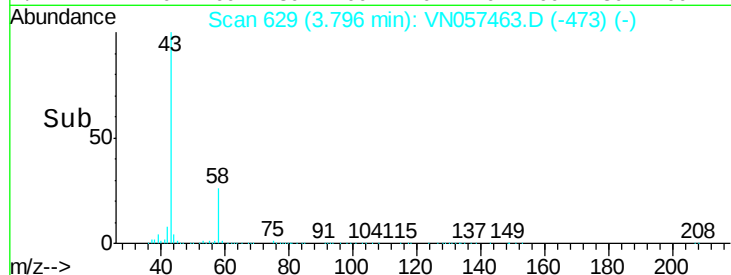
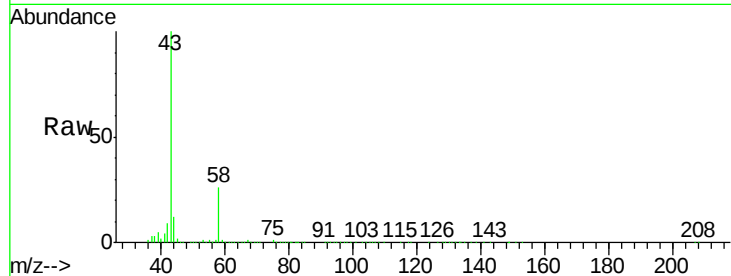
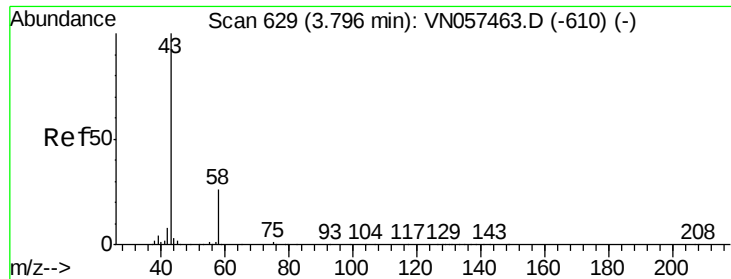


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 180.857 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Tot Ion: 58 Resp: 108098

Ion Ratio Lower Upper

58 100

43 380.5 304.4 456.6

Instrument :

MSVOA_N

ClientSampleId :

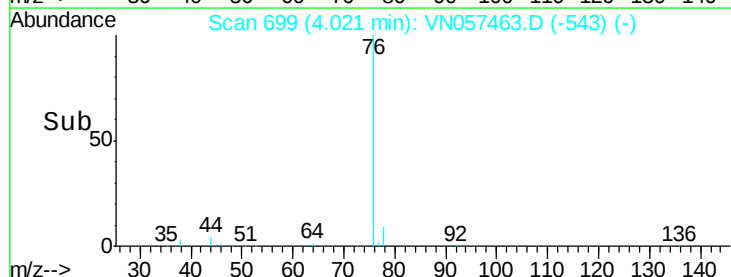
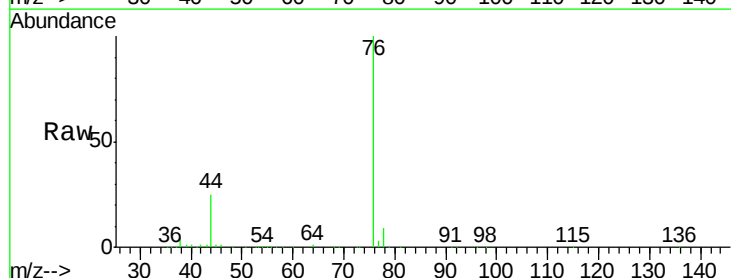
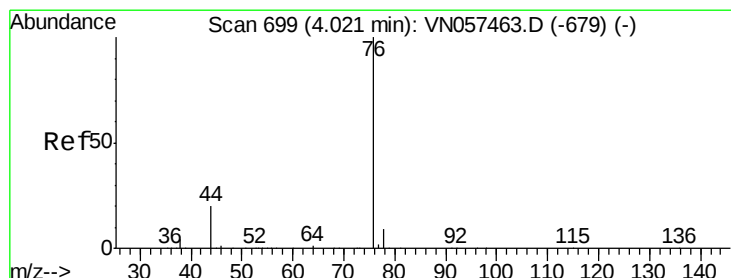
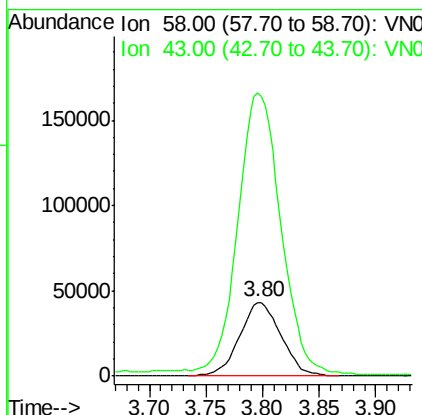
VSTDICCC020

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#16

Carbon Disulfide

Concen: 20.528 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057463.D

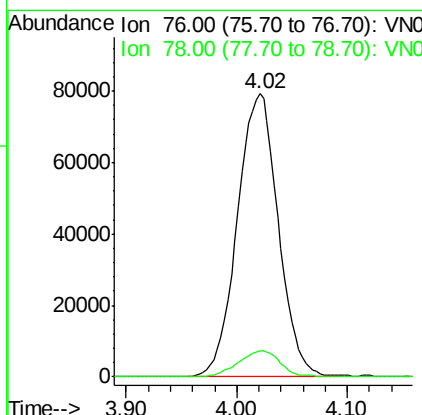
Acq: 23 Aug 2019 9:37

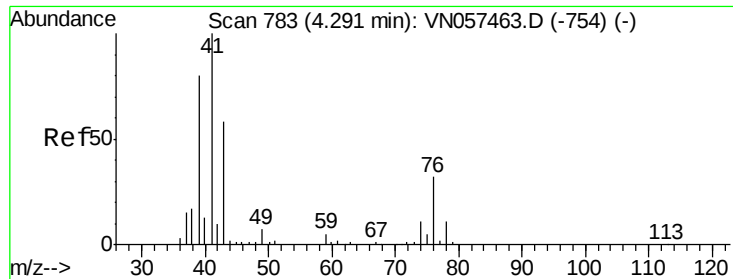
Tgt Ion: 76 Resp: 203927

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





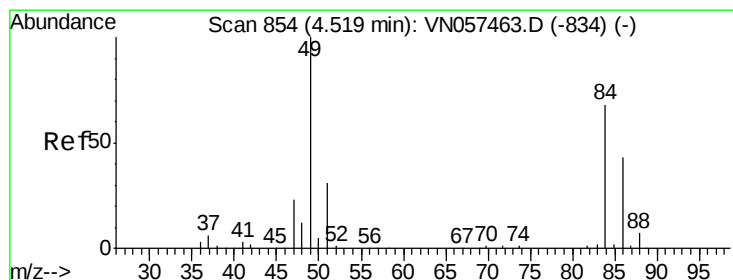
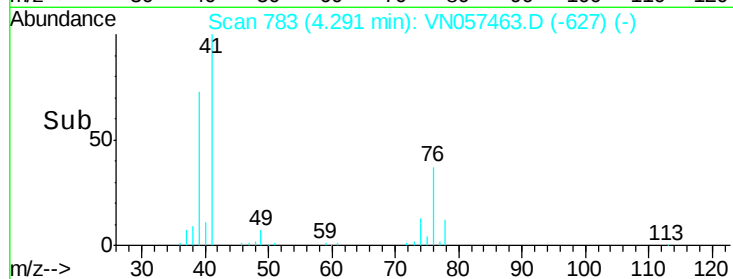
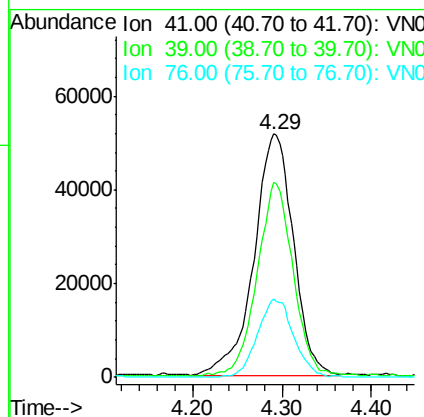
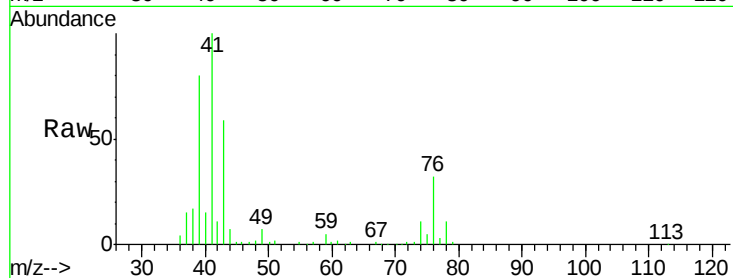
#17
Allvl chloride
Concen: 27.170 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.1	40.1	120.2
76	32.4	16.2	48.6

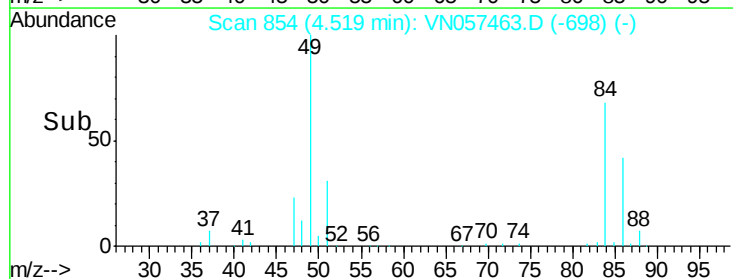
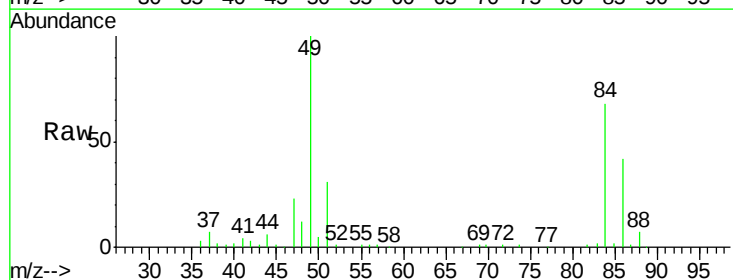
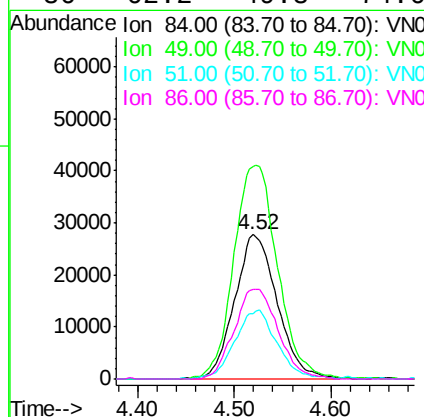
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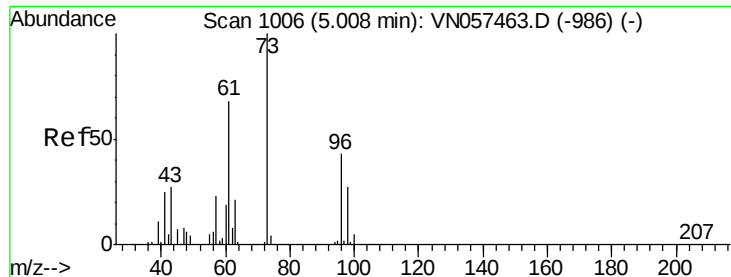
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#18
Methylene Chloride
Concen: 20.548 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.0	116.8	175.2
51	45.5	36.4	54.6
86	62.2	49.8	74.6





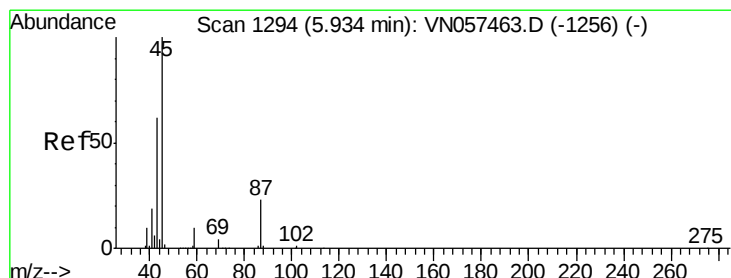
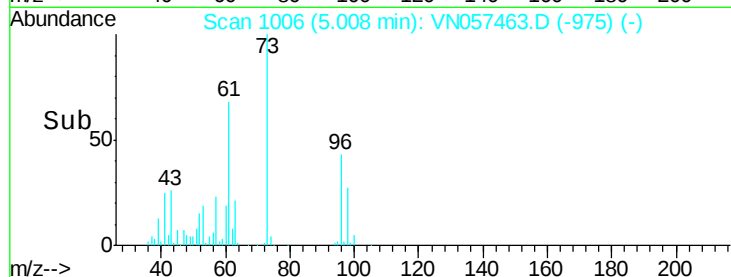
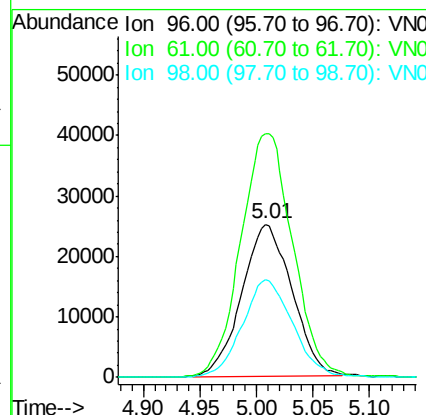
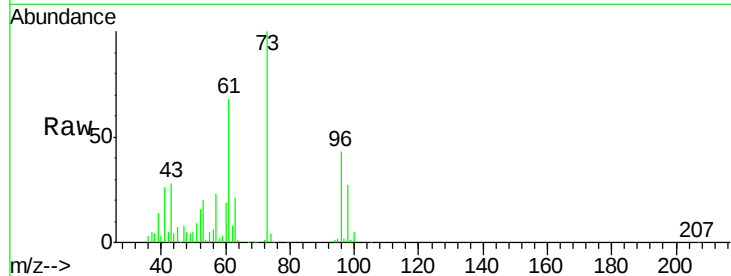
#19
trans-1,2-Dichloroethene
Concen: 19.963 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	159.5	127.6	191.4	
98	64.4	51.5	77.3	

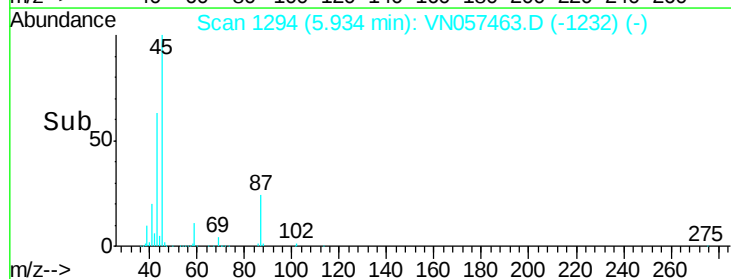
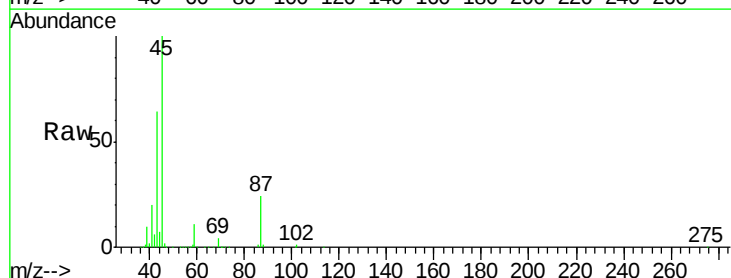
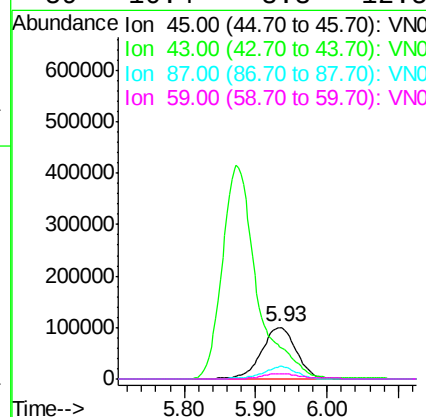
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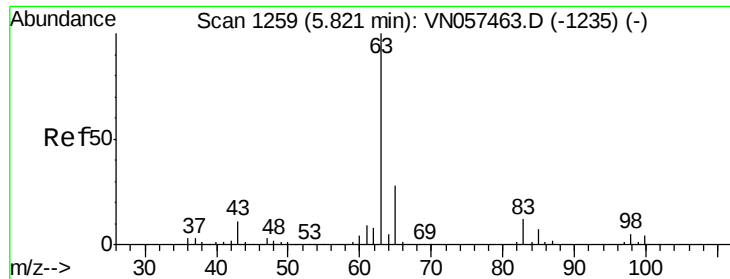
MMDadoda
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#20
Diisopropyl ether
Concen: 28.120 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	62.4	49.9	74.9	
87	23.9	19.1	28.7	
59	10.4	8.3	12.5	





#21

1,1-Dichloroethane

Concen: 24.799 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

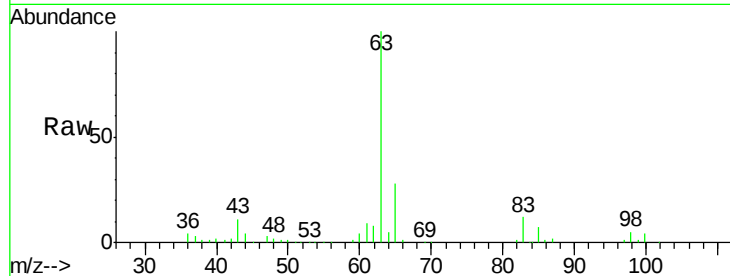
ClientSampleId :

VSTDICCC020

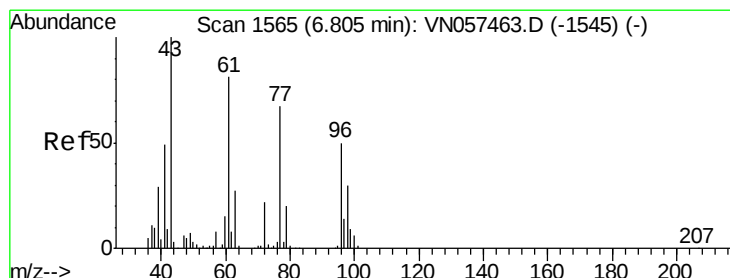
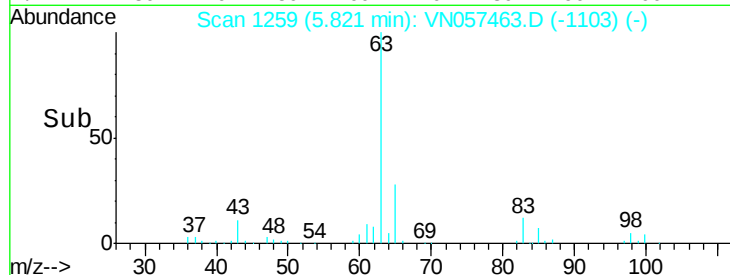
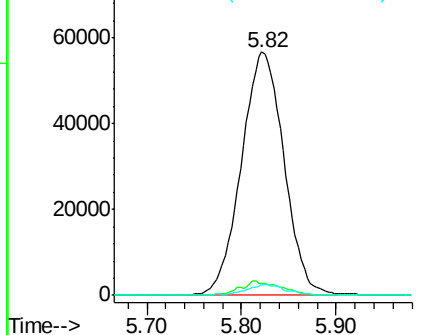
Tot Ion:	63	Resp:	177719
Ion Ratio	Lower	Upper	
63	100		
98	4.7	2.4	7.1
100	4.2	2.1	6.3

Manual Integrations
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Abundance Ion 63.00 (62.70 to 63.70): VN057463.D (-1235) (-)



#22

cis-1,2-Dichloroethene

Concen: 21.387 ug/l

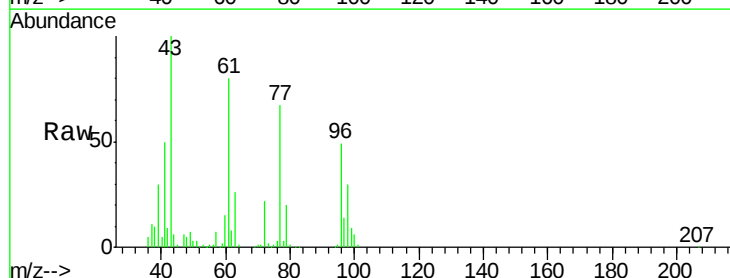
RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

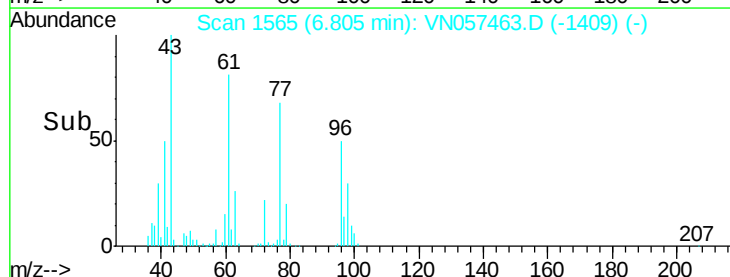
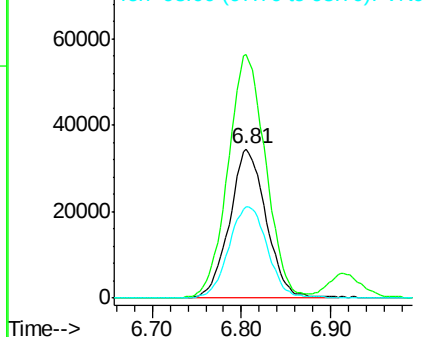
Lab File: VN057463.D

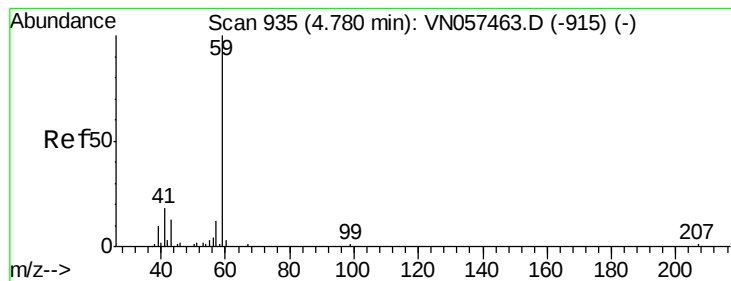
Acq: 23 Aug 2019 9:37

Tgt Ion:	96	Resp:	98130
Ion Ratio	Lower	Upper	
96	100		
61	168.0	134.4	201.6
98	64.2	51.4	77.0



Abundance Ion 96.00 (95.70 to 96.70): VN057463.D (-1545) (-)





#23

tert-Butyl Alcohol

Concen: 118.061 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 59 Resp: 72903

Ion Ratio Lower Upper

59 100

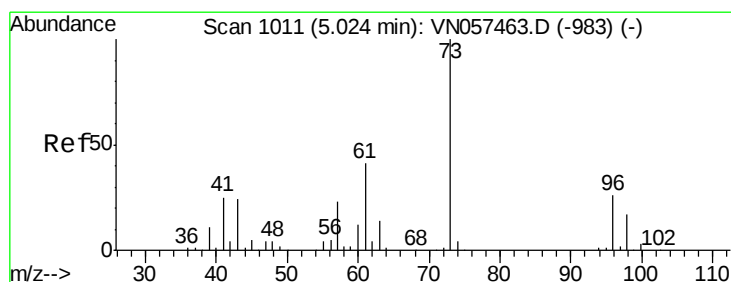
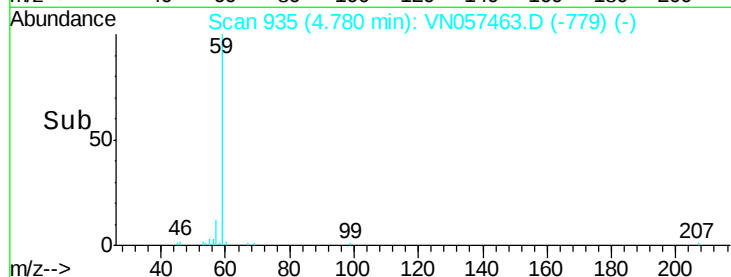
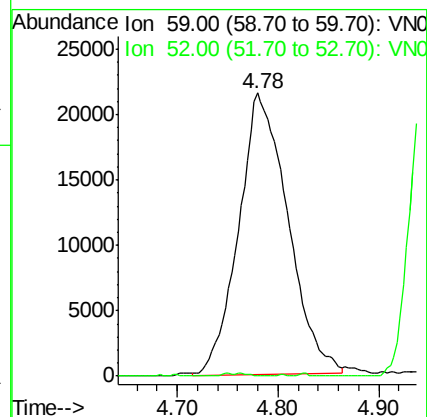
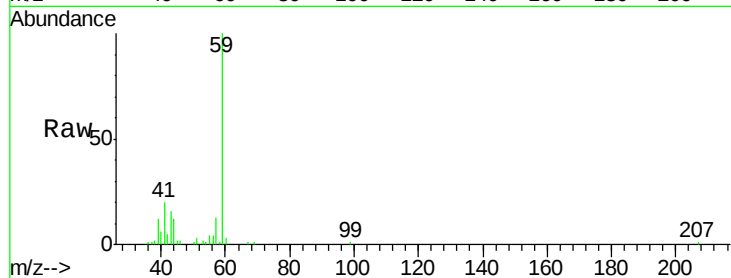
52 0.1 0.1 0.1

Manual Integrations

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#24

Methyl tert-Butyl Ether

Concen: 23.389 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN057463.D

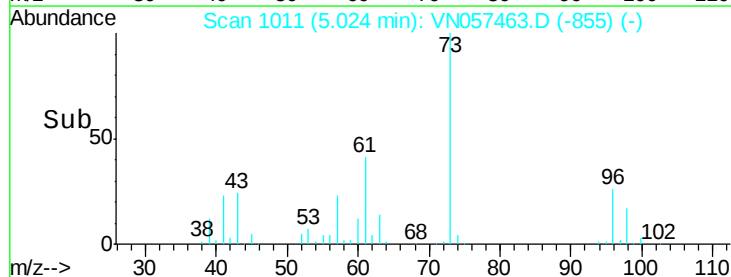
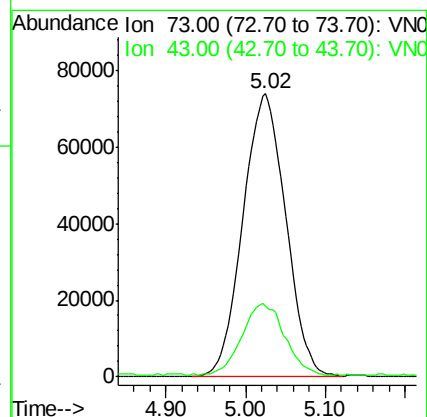
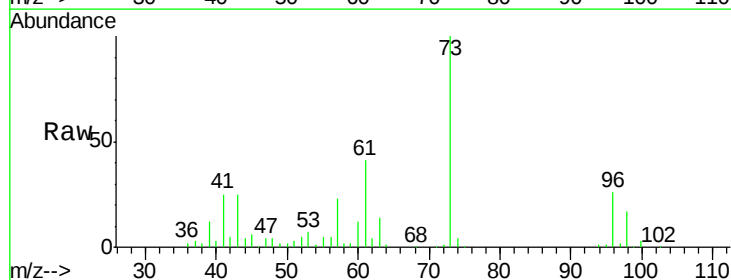
Acq: 23 Aug 2019 9:37

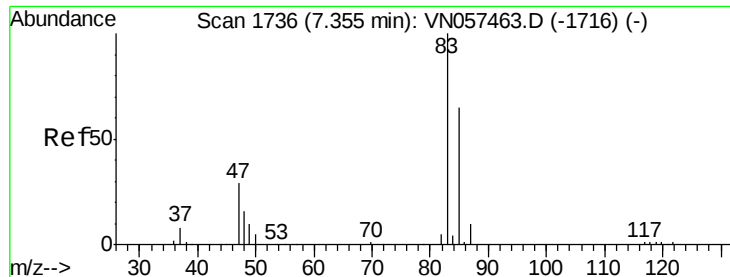
Tgt Ion: 73 Resp: 269665

Ion Ratio Lower Upper

73 100

43 25.0 20.1 30.1





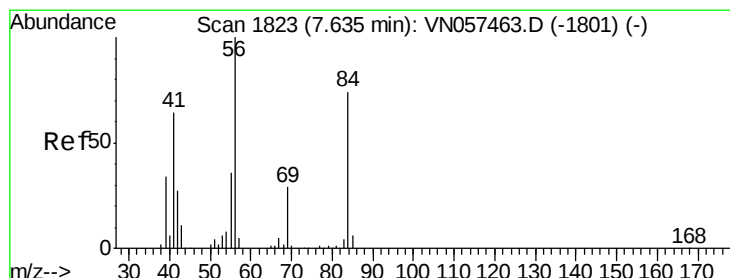
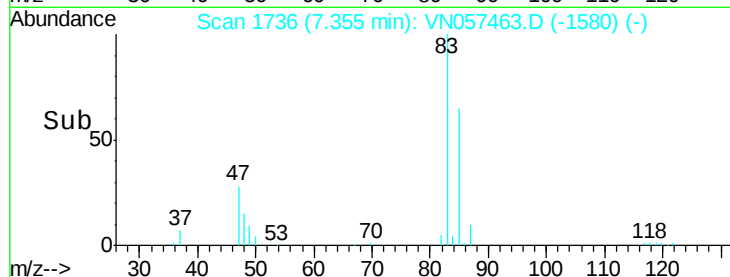
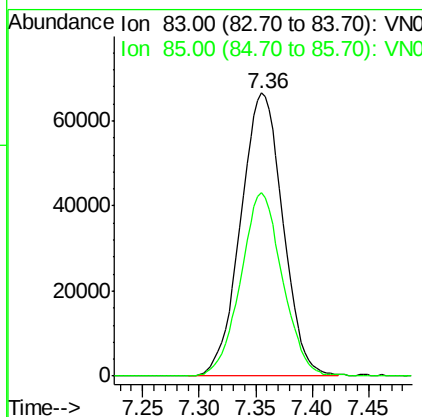
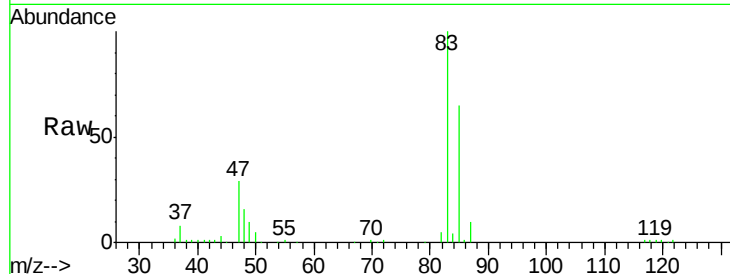
#25
Chloroform
Concen: 23.487 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	173154
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	52.0	78.0

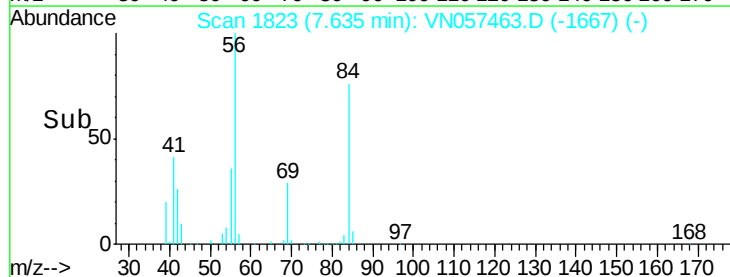
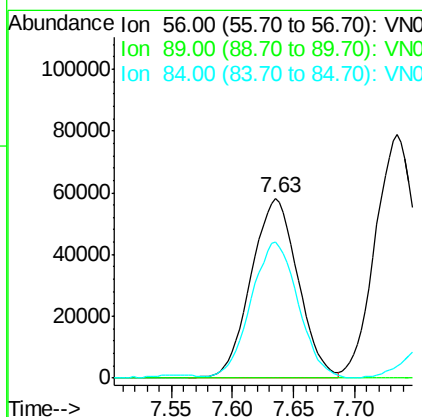
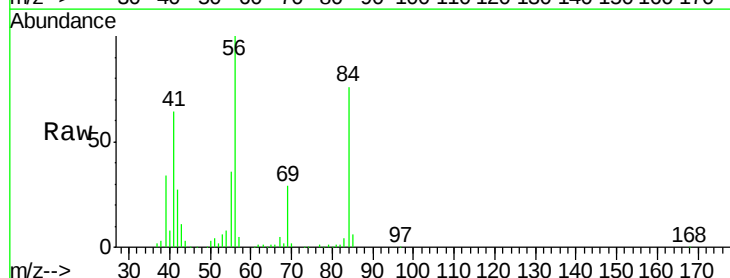
Manual Integrations
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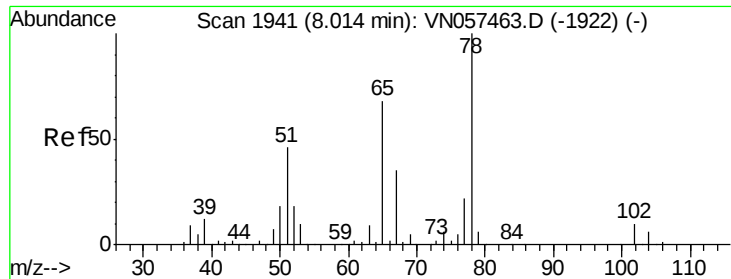
MMDadoda
8/26/2019 1:11:51 PM



#26
Cyclohexane
Concen: 25.749 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	56	Resp	155379
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	76.4	61.1	91.7





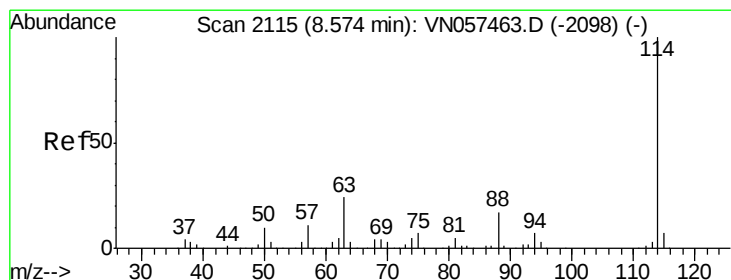
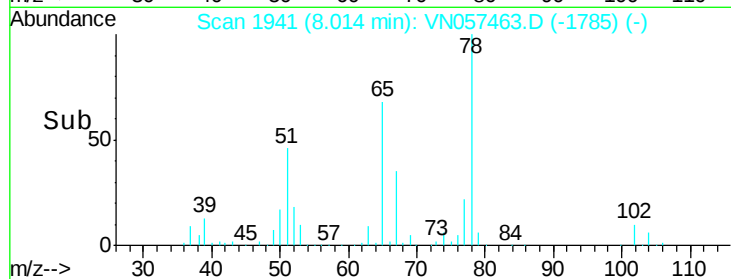
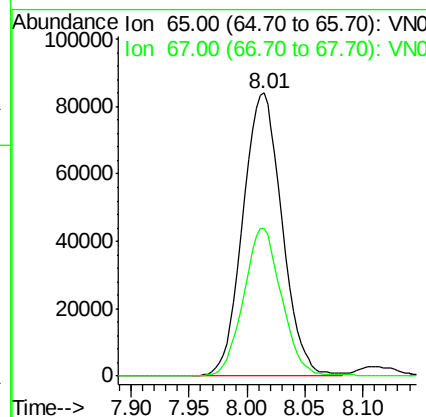
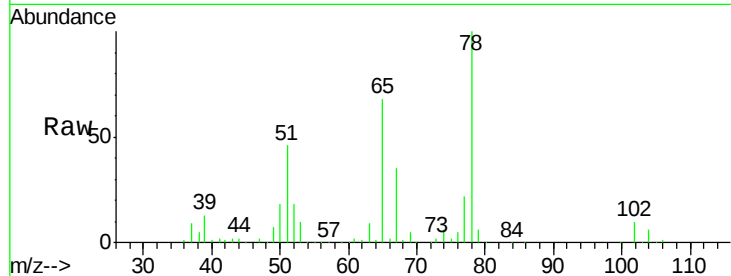
#27
 1,2-Dichloroethane-d4
 Concen: 41.672 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	197913		
67	50.3	40.2	60.4	

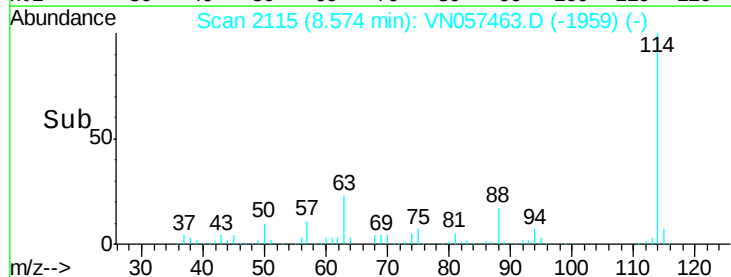
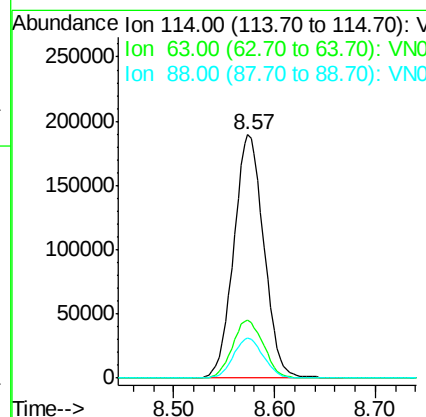
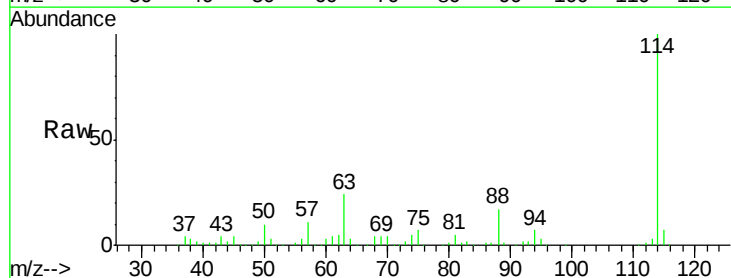
Manual Integrations
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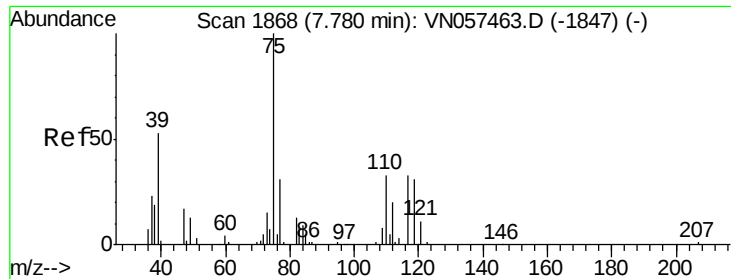
MMDadoda
 8/26/2019 1:11:51 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	392757		
63	24.5	19.6	29.4	
88	16.4	13.1	19.7	





#29

1,1-Dichloropropene

Concen: 22.032 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

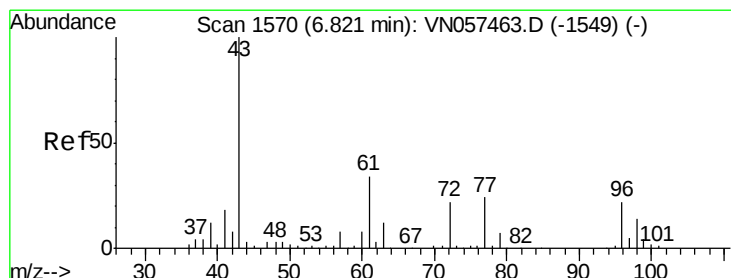
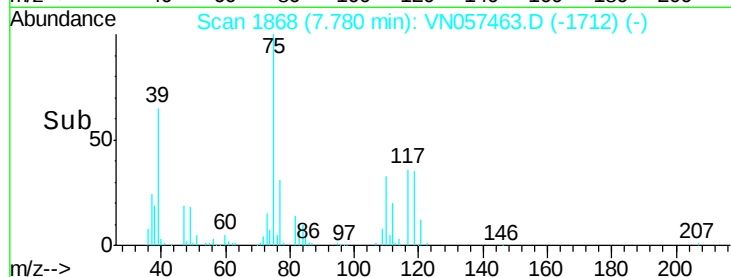
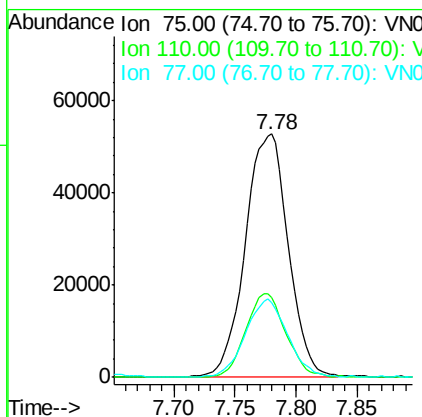
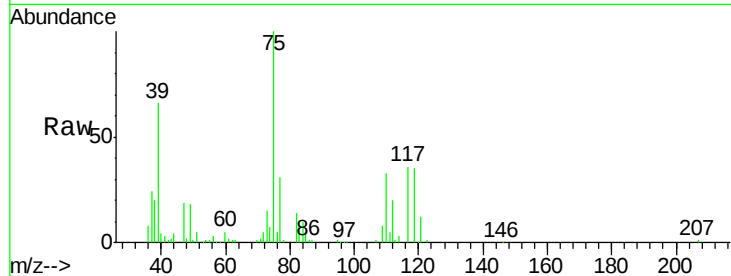
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	128737
Ion Ratio	Lower	Upper	
75	100		
110	32.0	0.0	64.0
77	31.7	0.0	63.4

Manual Integrations
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#30

2-Butanone

Concen: 131.874 ug/l

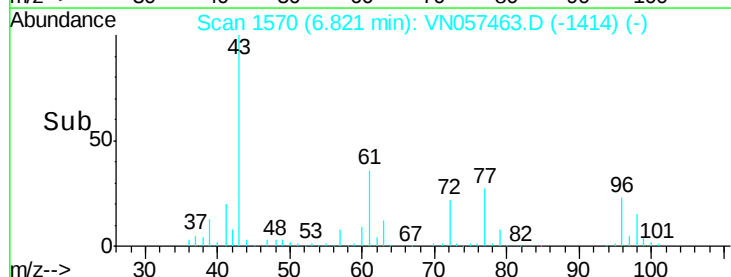
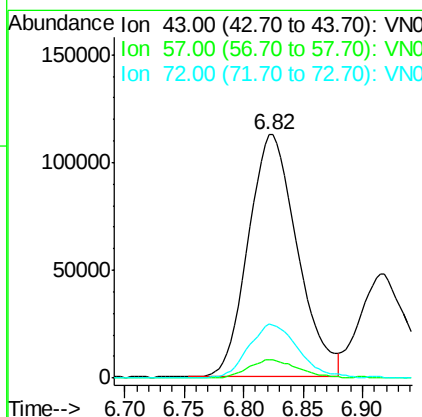
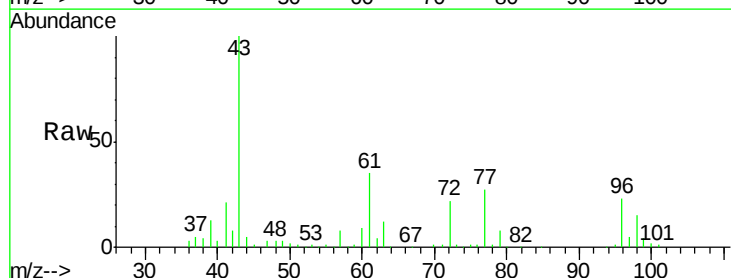
RT: 6.82 min Scan# 1570

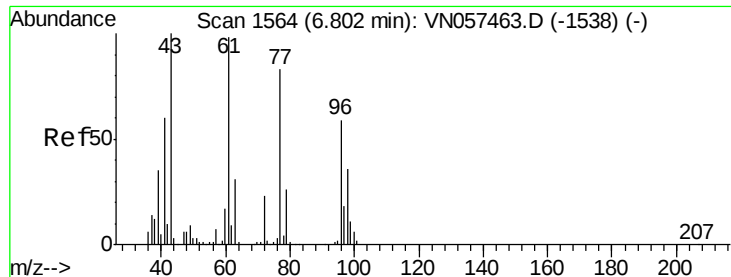
Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Tgt Ion:	43	Resp:	321679
Ion Ratio	Lower	Upper	
43	100		
57	7.1	5.7	8.5
72	22.7	18.2	27.2





#31

2,2-Dichloropropane

Concen: 23.118 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 77 Resp: 149556

Ion Ratio Lower Upper

77 100

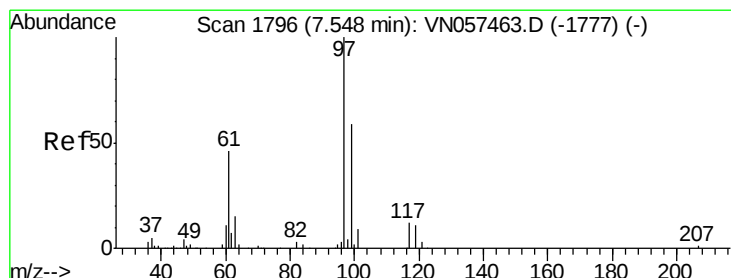
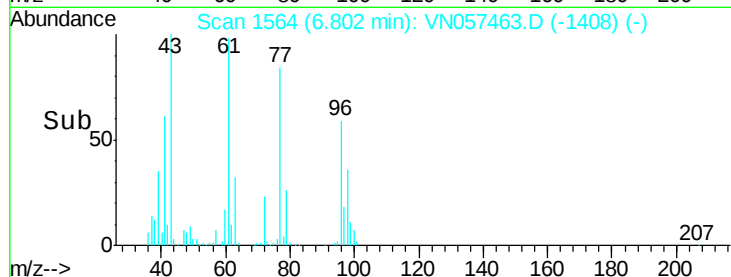
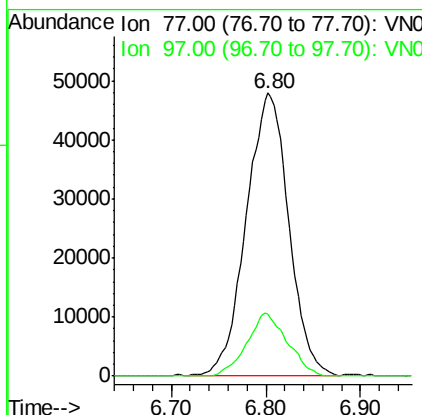
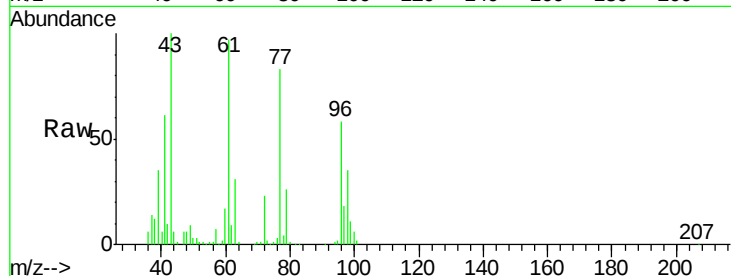
97 21.2 17.0 25.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.669 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

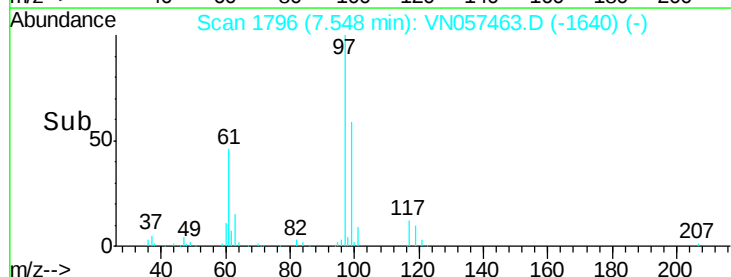
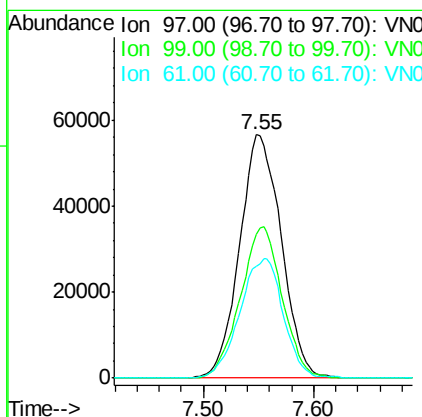
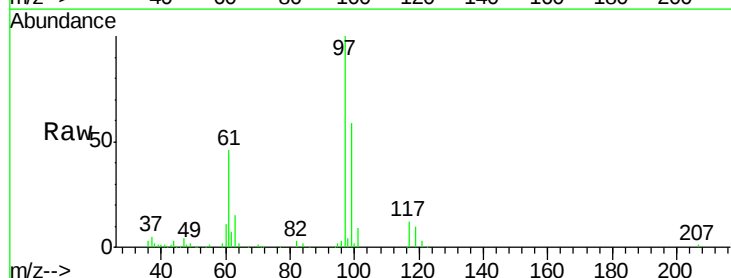
Tgt Ion: 97 Resp: 148254

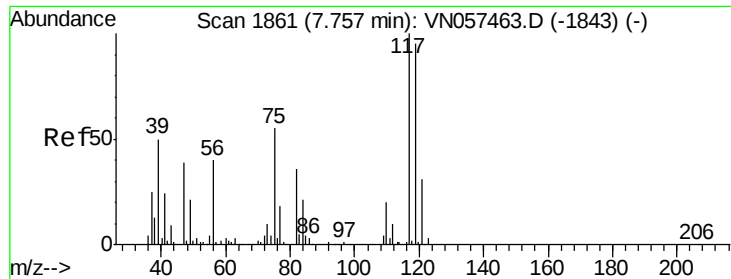
Ion Ratio Lower Upper

97 100

99 62.0 49.6 74.4

61 51.1 40.9 61.3





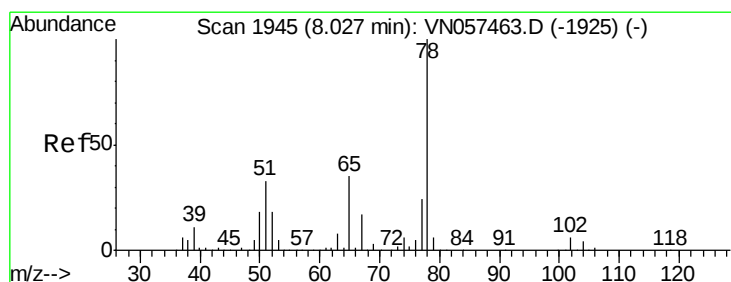
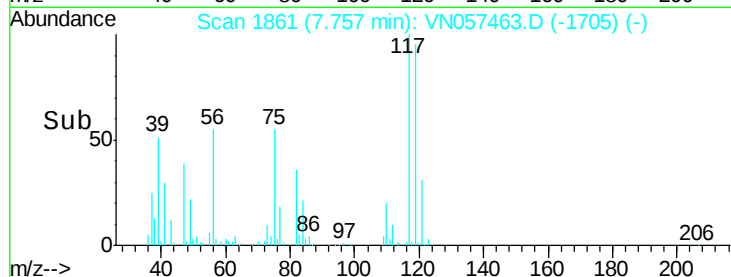
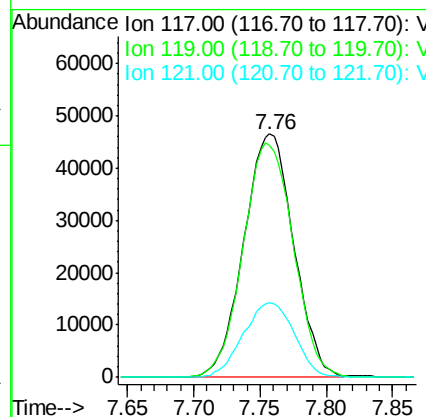
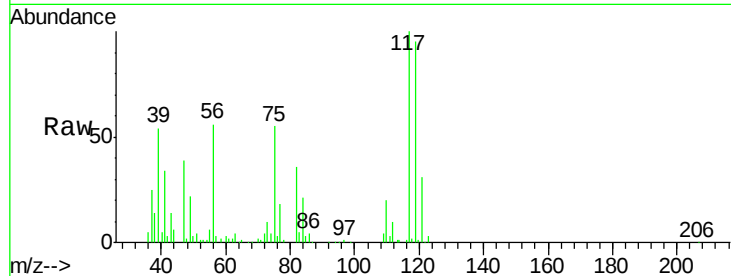
#33
Carbon Tetrachloride
Concen: 20.230 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		121704		
119	96.0	76.8	115.2		
121	31.0	24.8	37.2		

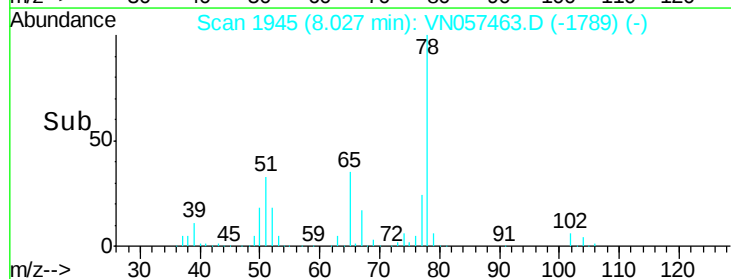
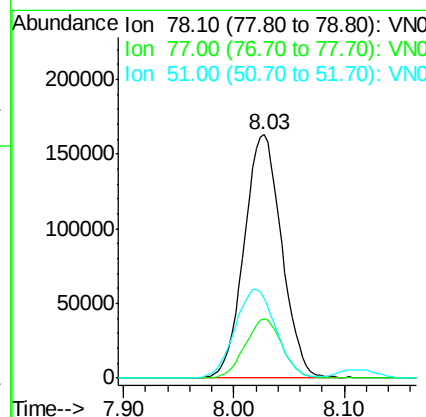
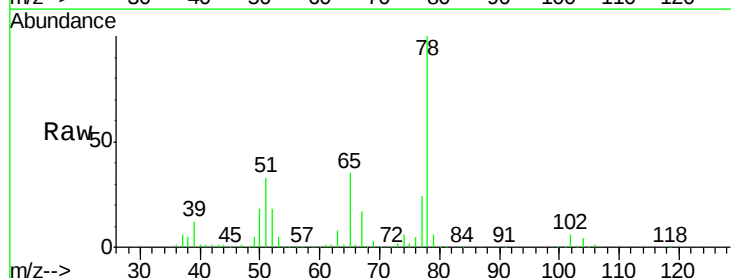
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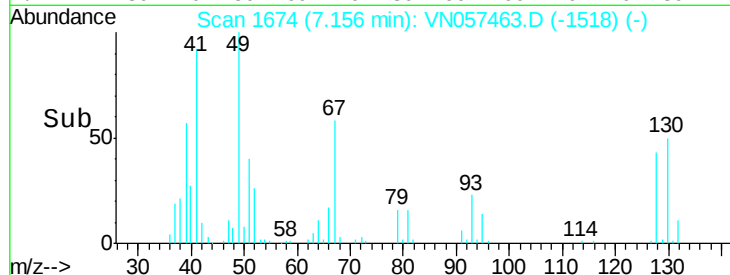
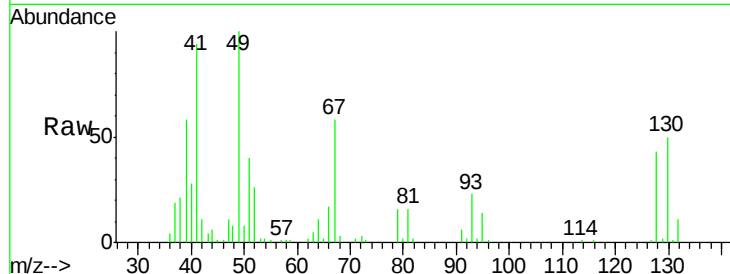
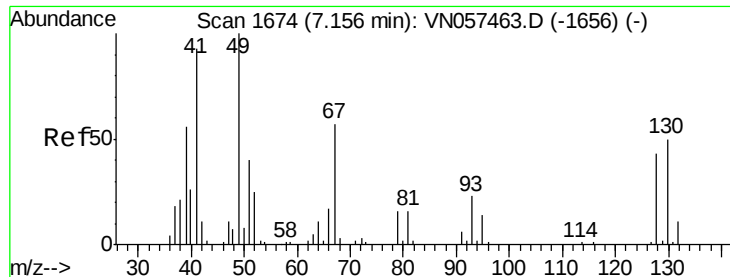
MMDadoda
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#34
Benzene
Concen: 21.786 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		384335		
77	24.4	19.5	29.3		
51	32.5	26.0	39.0		





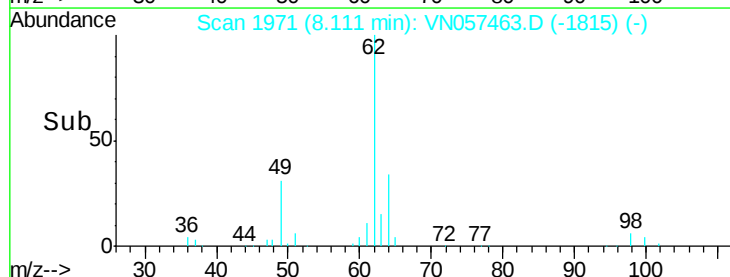
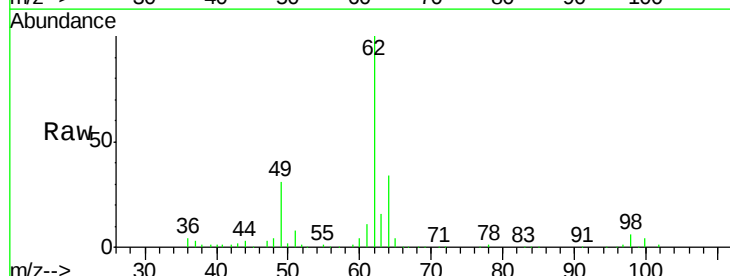
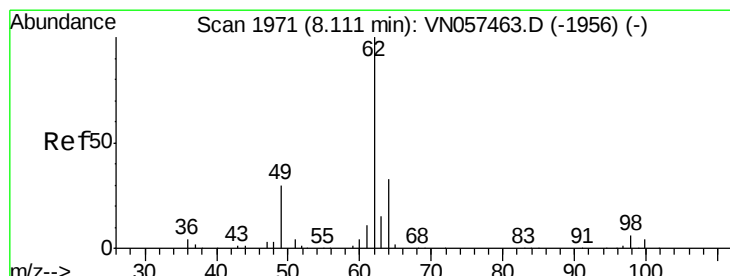
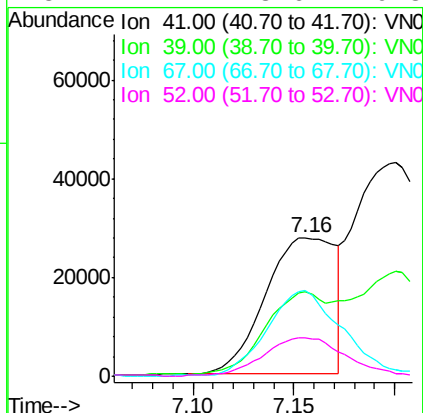
#35
Methacrylonitrile
Concen: 20.935 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		66509		
39	61.0	30.5	91.5		
67	61.7	30.9	92.5		
52	27.2	13.6	40.8		

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

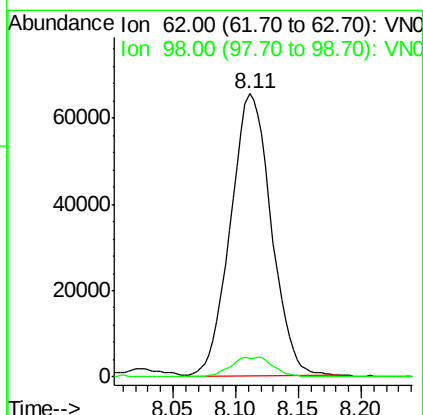
Manual Integrations
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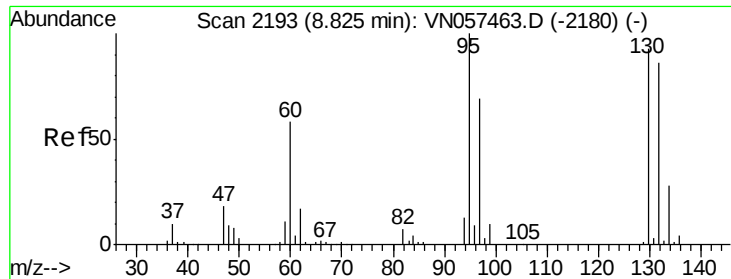
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#36
1,2-Dichloroethane
Concen: 24.684 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		147806		
98	3.5	2.8	4.2		





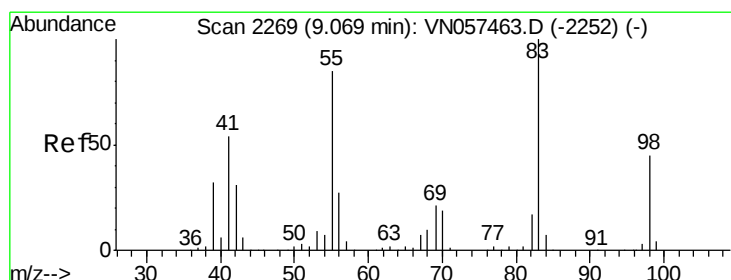
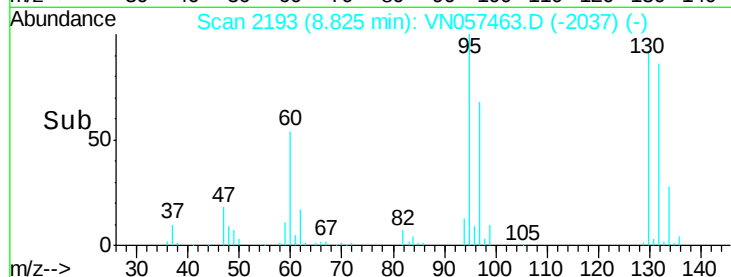
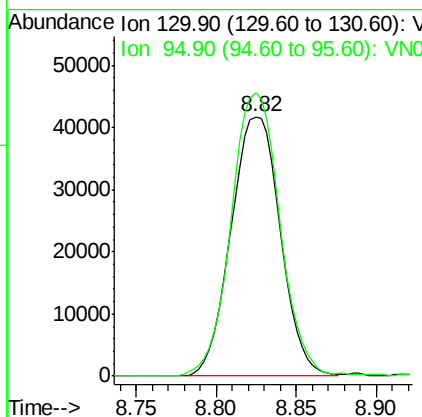
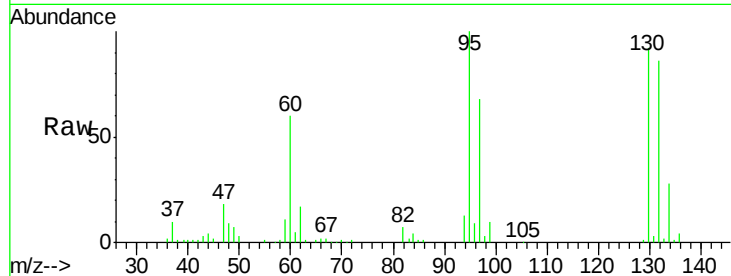
#37
 Trichloroethene
 Concen: 17.976 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		88139		
95	108.0	86.4	129.6		

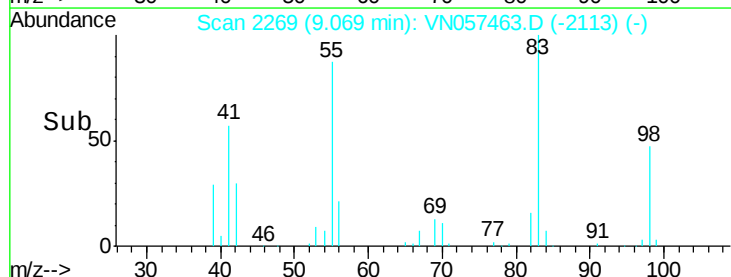
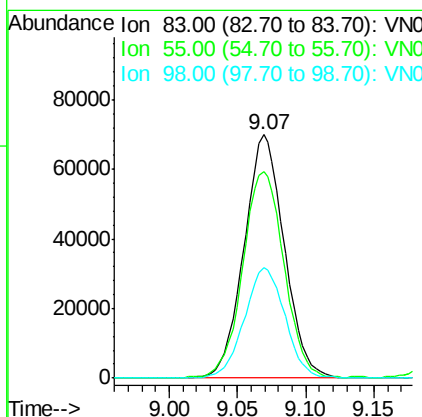
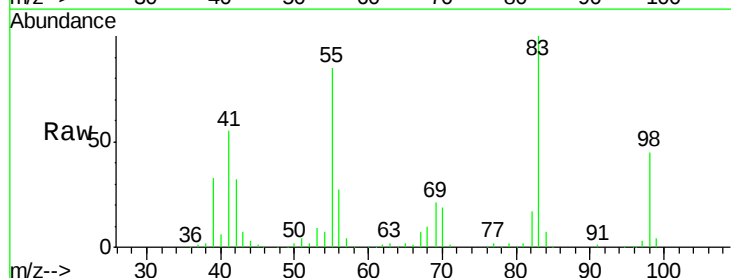
Manual Integrations
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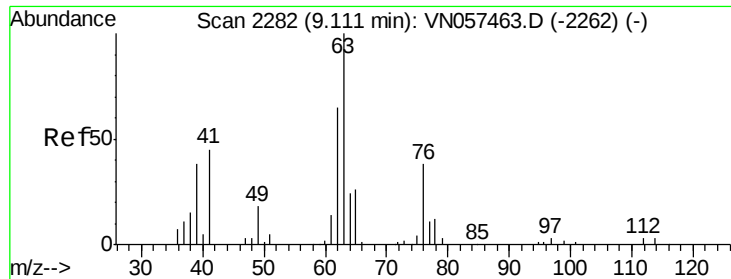
MMDadoda
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#38
 Methylcyclohexane
 Concen: 20.997 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		143133		
55	86.5	43.3	129.8		
98	45.6	22.8	68.4		





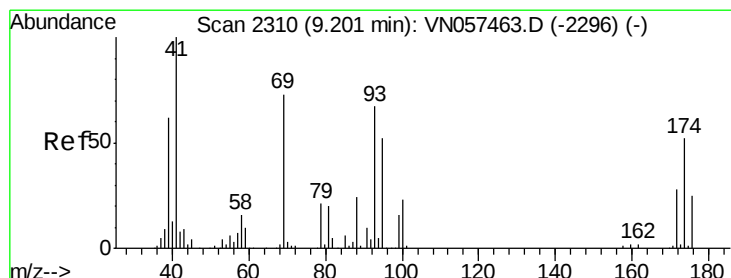
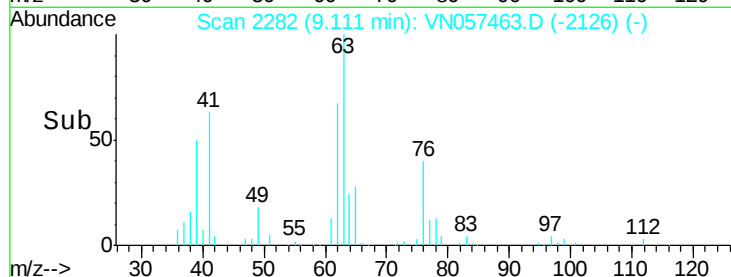
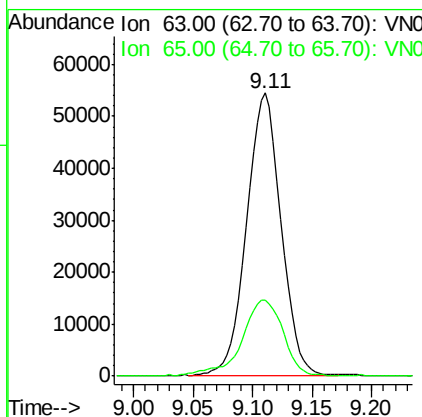
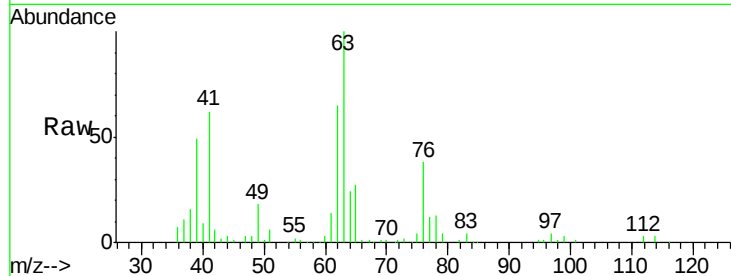
#39
 1,2-Dichloropropane
 Concen: 23.609 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 108990
 Ion Ratio Lower Upper
 63 100
 65 27.0 21.6 32.4

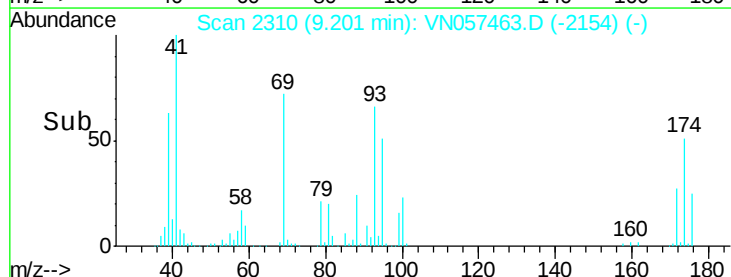
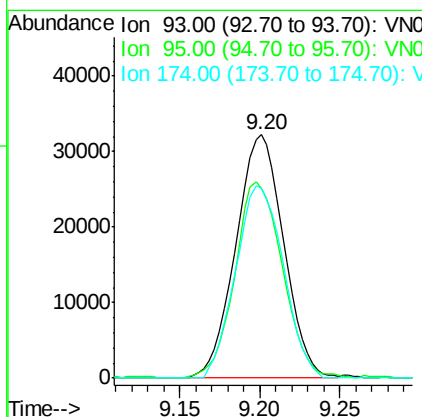
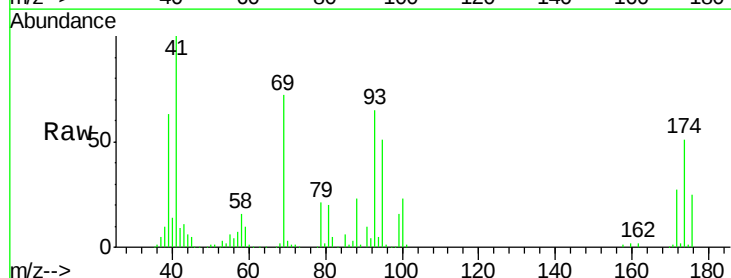
Manual Integrations
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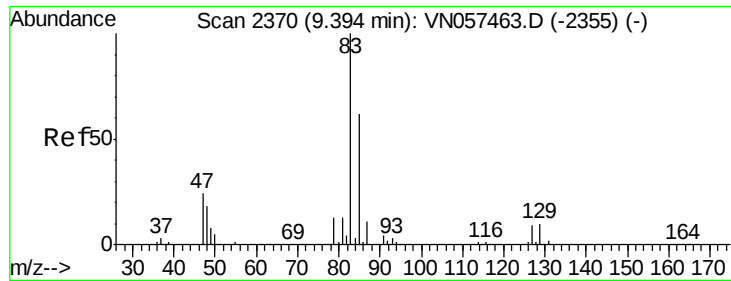
MMDadoda
 8/26/2019 1:11:51 PM



#40
 Dibromomethane
 Concen: 21.950 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Tgt Ion: 93 Resp: 65999
 Ion Ratio Lower Upper
 93 100
 95 80.4 0.0 160.8
 174 78.6 0.0 157.2





#41

Bromodichloromethane

Concen: 22.229 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

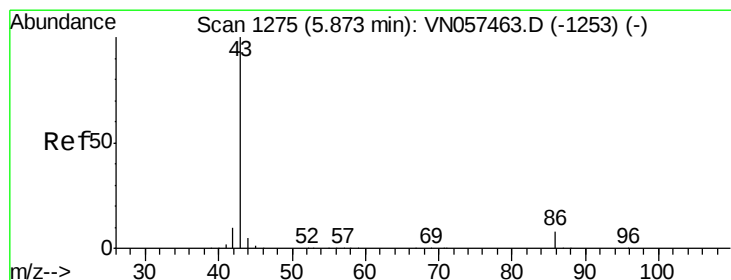
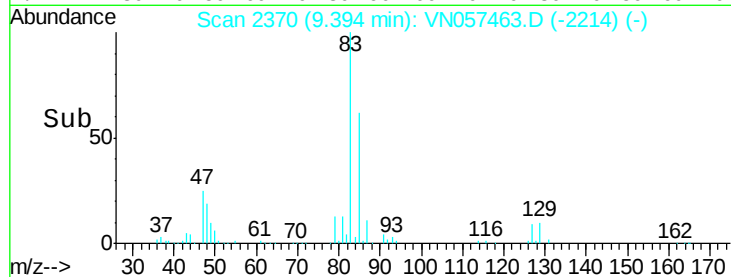
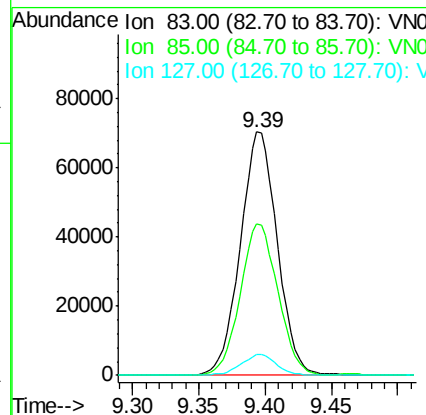
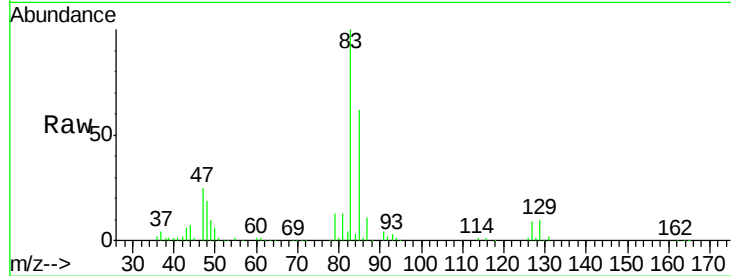
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	136222
Ion Ratio	Lower	Upper	
83	100		
85	62.3	49.8	74.8
127	9.5	7.6	11.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 134.843 ug/l

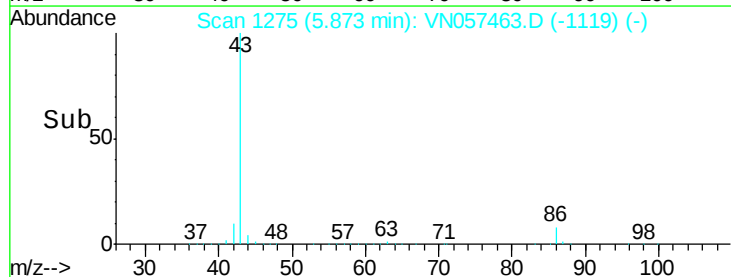
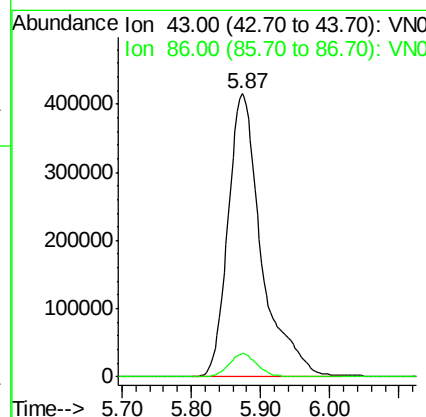
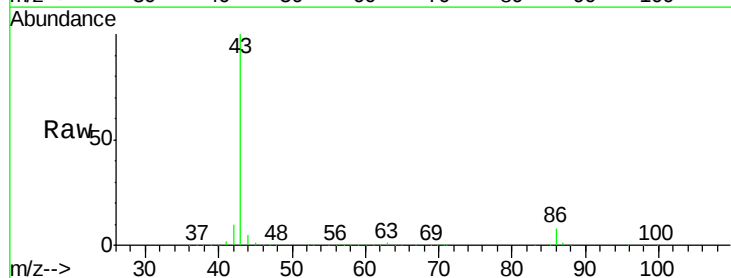
RT: 5.87 min Scan# 1275

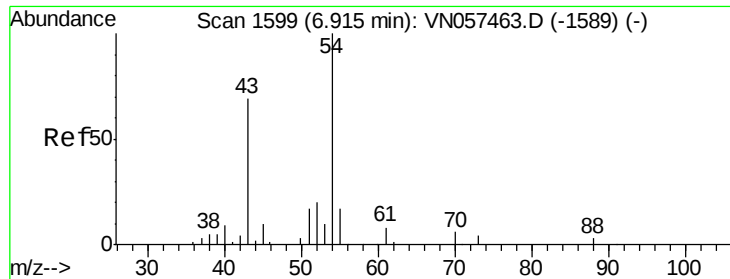
Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Tgt Ion:	43	Resp:	1393321
Ion Ratio	Lower	Upper	
43	100		
86	7.1	5.7	8.5





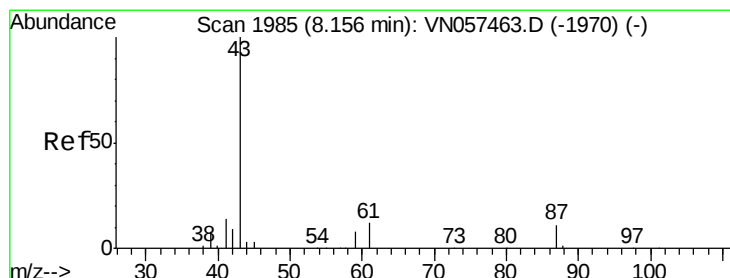
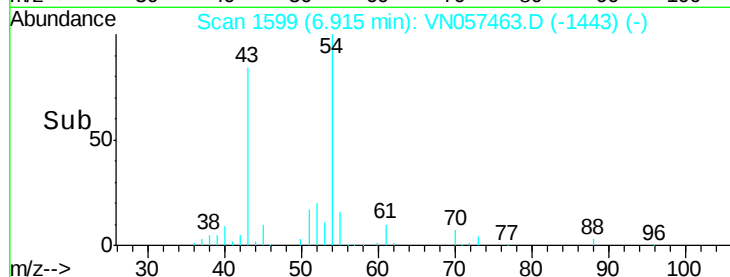
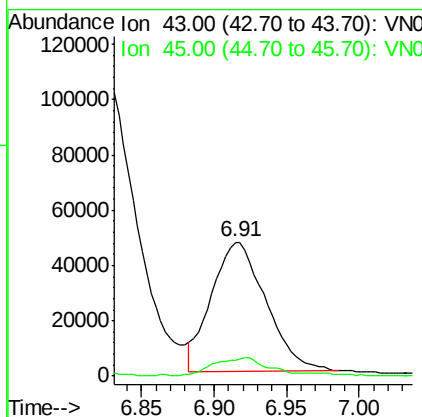
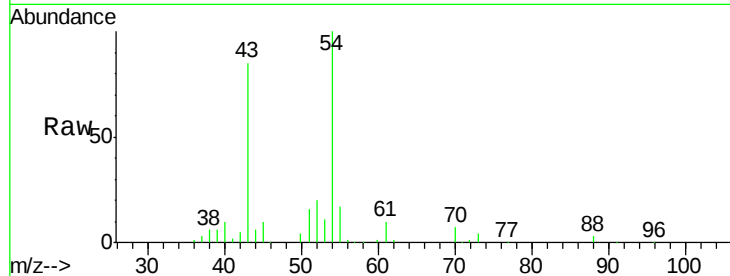
#43
Ethyl Acetate
Concen: 24.779 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	43	45	Ratio	100	13.7	Resp	121738	Lower	11.0	Upper	16.4
Ion											

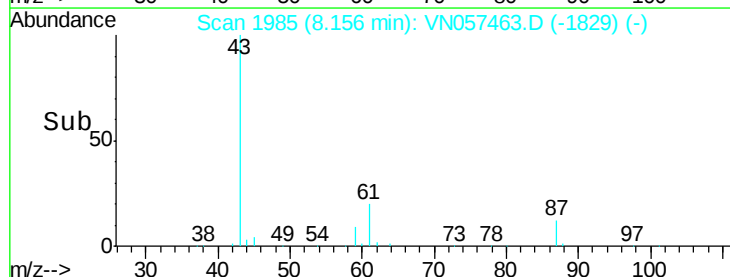
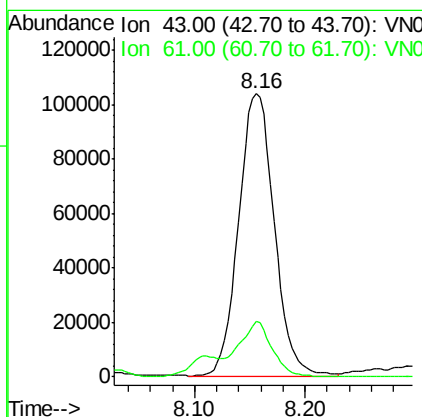
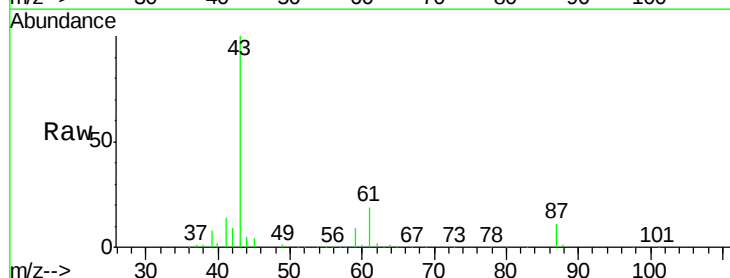
Manual Integrations
APPROVED

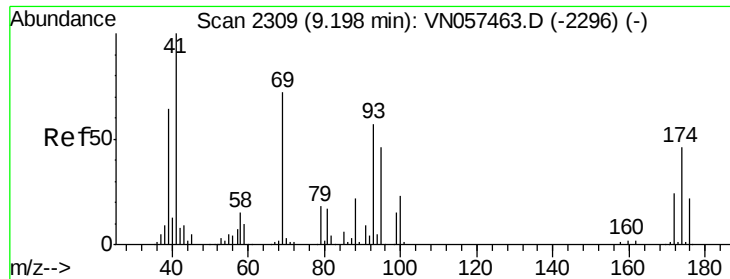
MMDadoda
8/26/2019 1:11:51 PM



#44
Isopropyl Acetate
Concen: 26.284 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	43	61	Ratio	100	18.2	Resp	231237	Lower	0.1	Upper	0.1#
Ion											





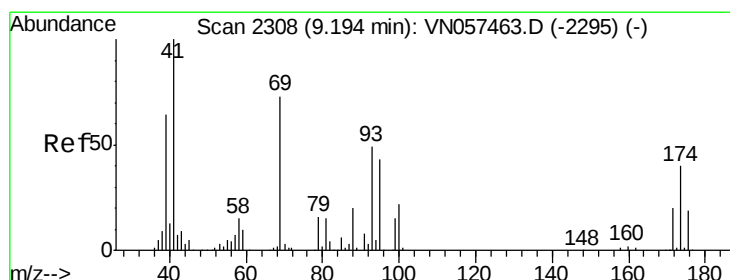
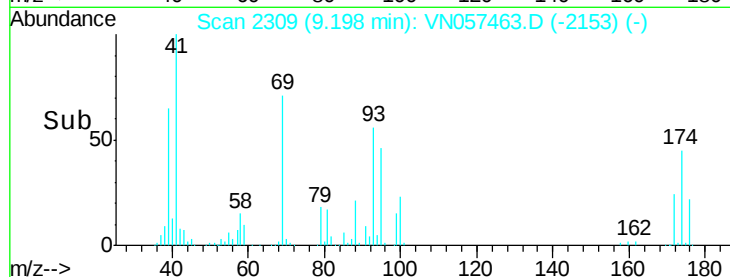
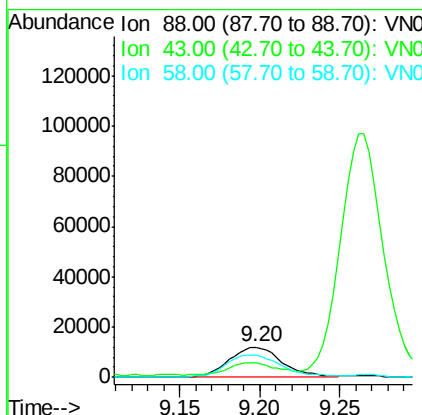
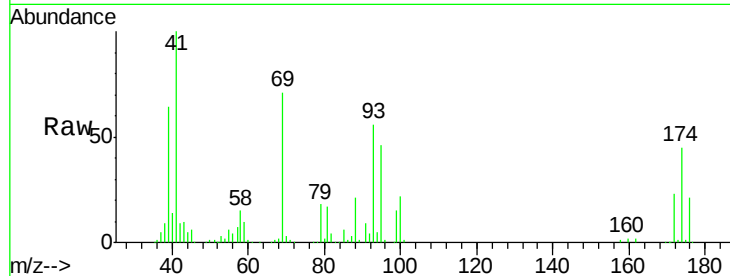
#45
 1,4-Dioxane
 Concen: 364.506 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	29.8	44.6
58	77.7	62.2	93.2

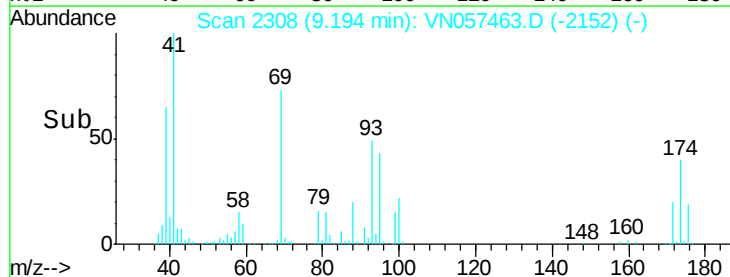
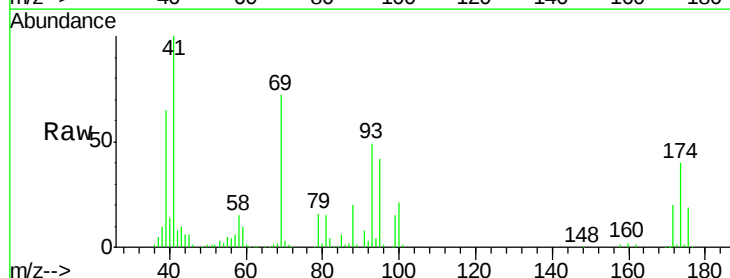
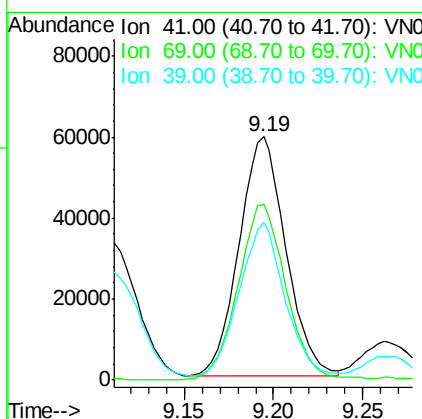
Manual Integrations
 APPROVED

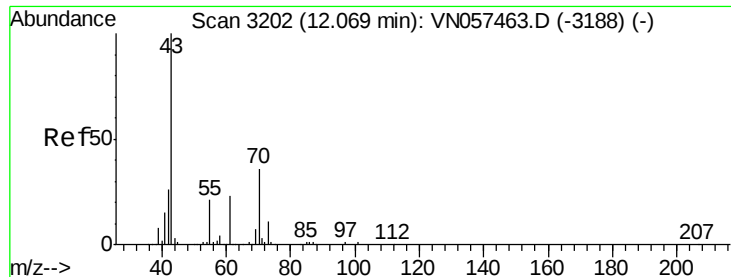
MMDadoda
 8/26/2019 1:11:51 PM



#46
 Methyl methacrylate
 Concen: 27.062 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.0	36.5	109.5
39	64.2	32.1	96.3





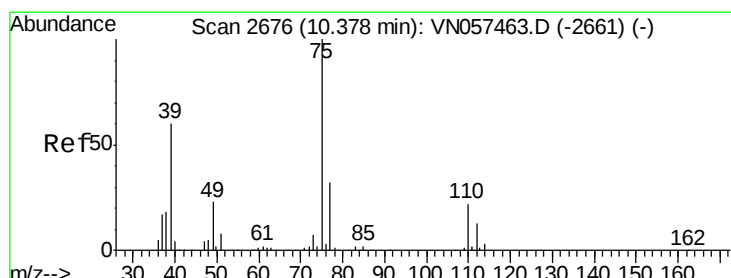
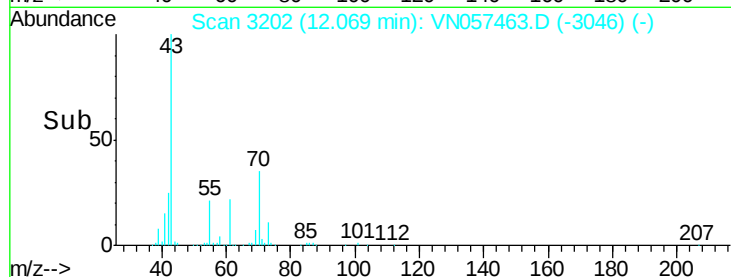
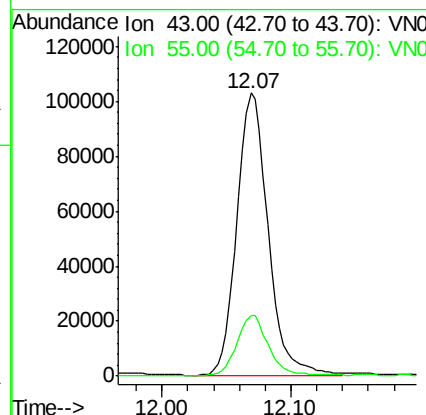
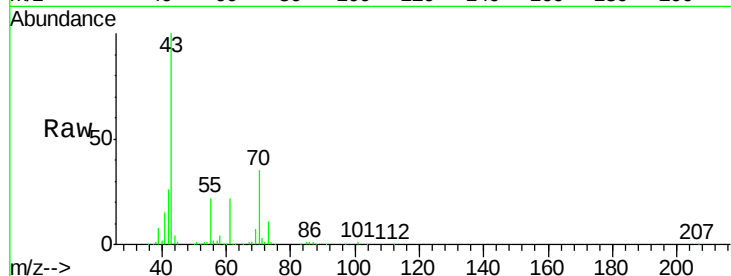
#47
n-amvl Acetate
Concen: 26.129 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 173038
Ion Ratio Lower Upper
43 100
55 21.3 17.0 25.6

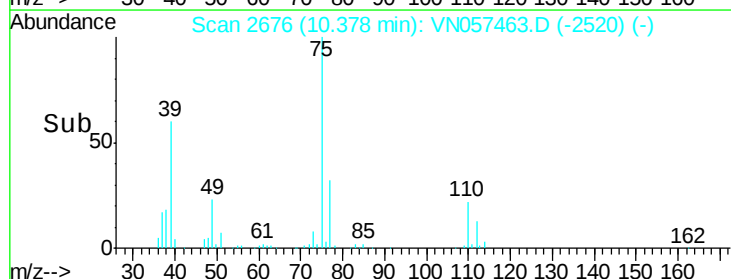
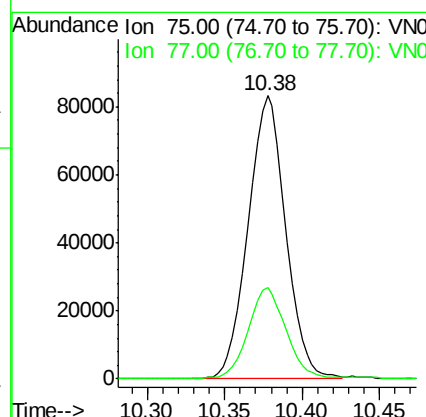
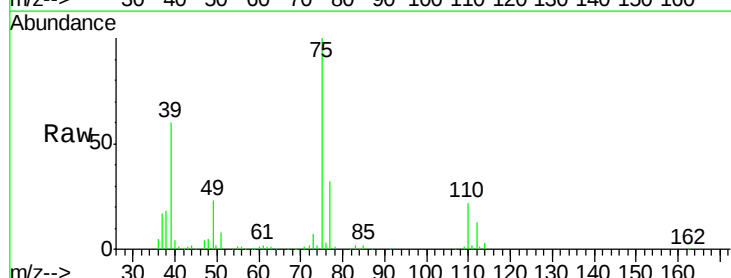
Manual Integrations
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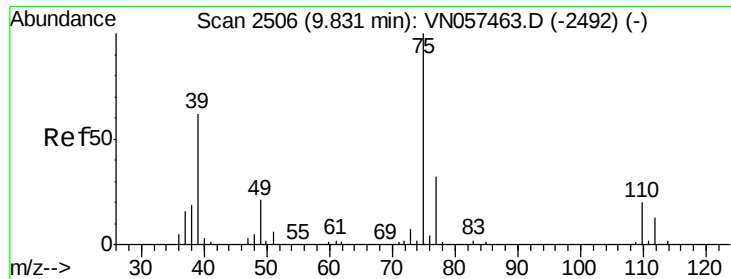
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#48
t-1,3-Dichloropropene
Concen: 21.424 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion: 75 Resp: 140973
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5





#49

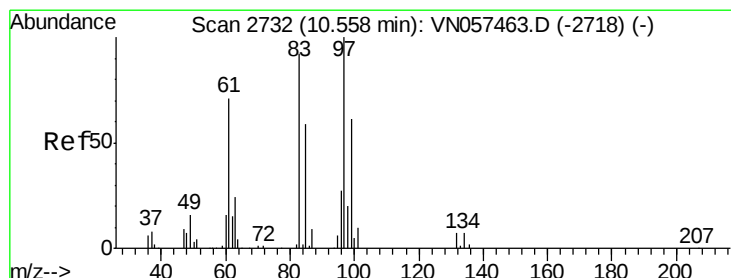
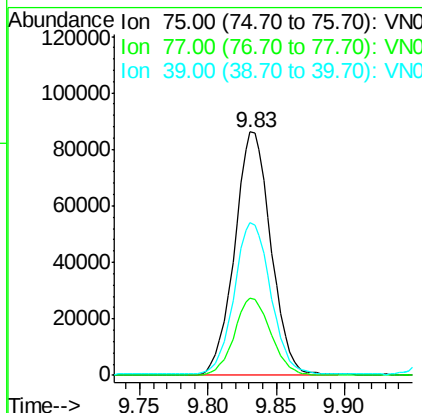
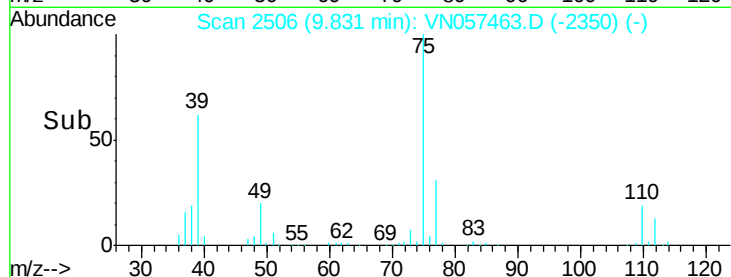
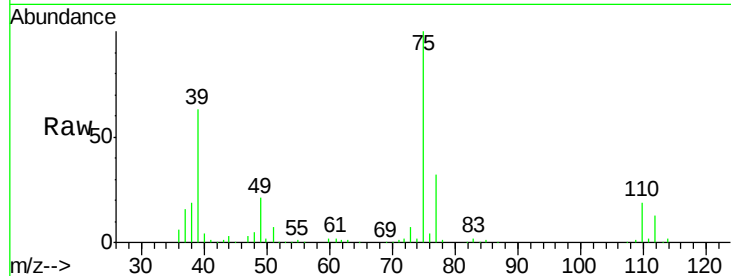
cis-1,3-Dichloropropene
 Concen: 21.776 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	75	100	159501		
77	77	31.7		25.4	38.0
39	39	62.2		49.8	74.6

Manual Integrations
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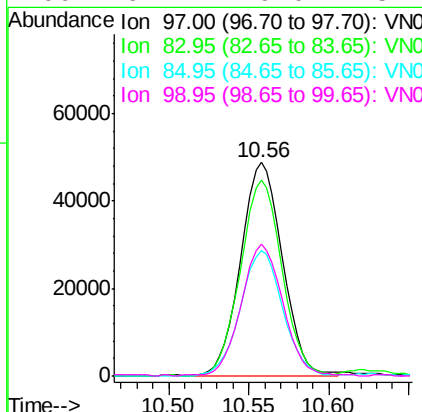
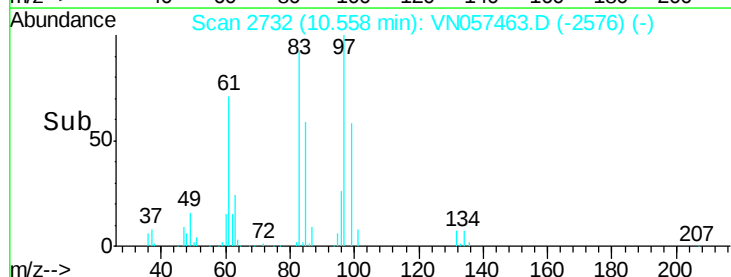
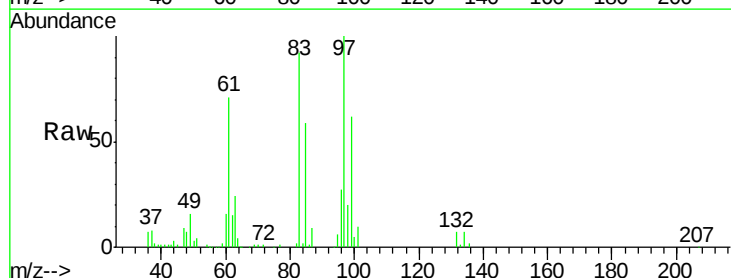
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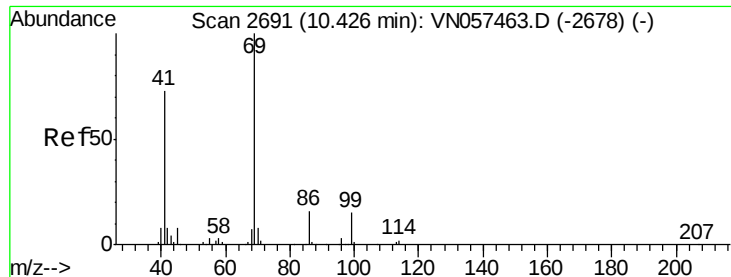


#50

1,1,2-Trichloroethane
 Concen: 20.260 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100	87053		
83	83	91.5		73.2	109.8
85	85	58.9		47.1	70.7
99	99	61.2		49.0	73.4





#51

Ethyl methacrylate

Concen: 21.702 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

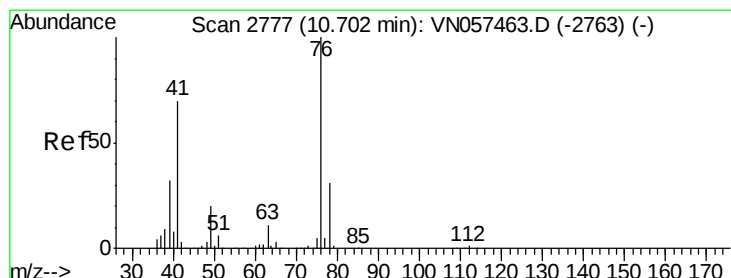
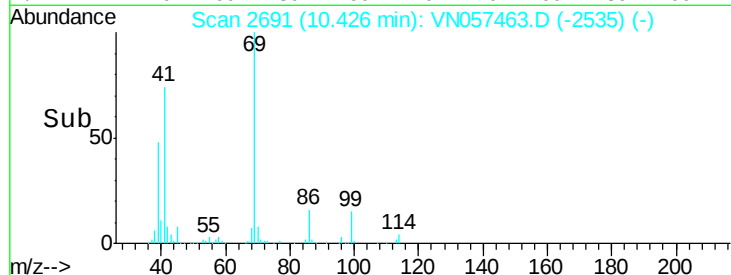
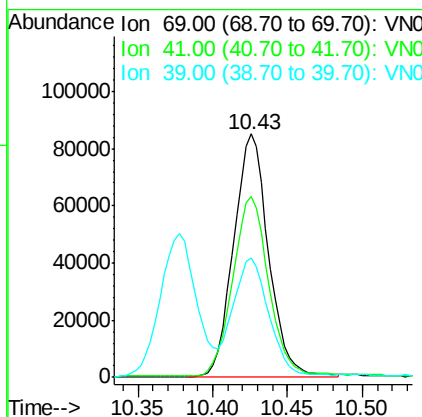
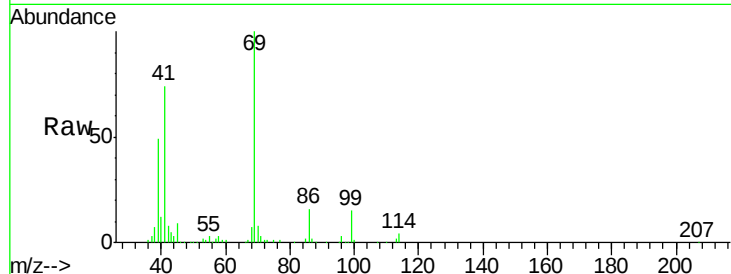
ClientSampled :

VSTDICCC020

Tot Ion:	69	Resp:	138700
Ion Ratio	Lower	Upper	
69	100		
41	73.3	37.0	111.1
39	47.9	24.4	73.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 22.138 ug/l

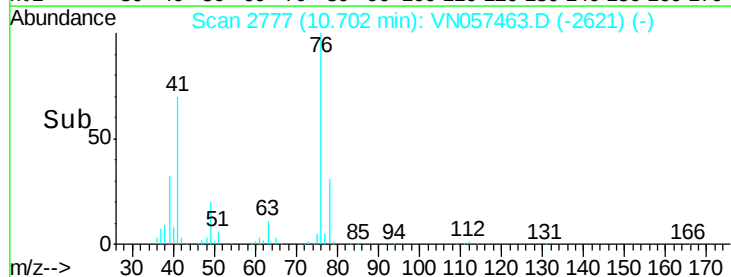
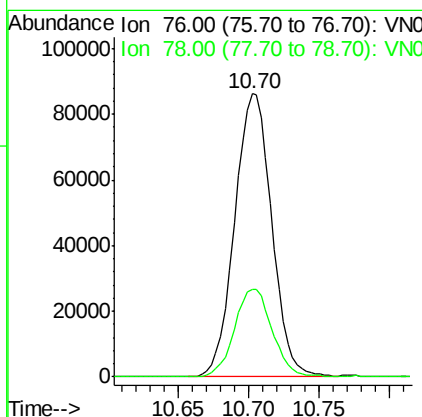
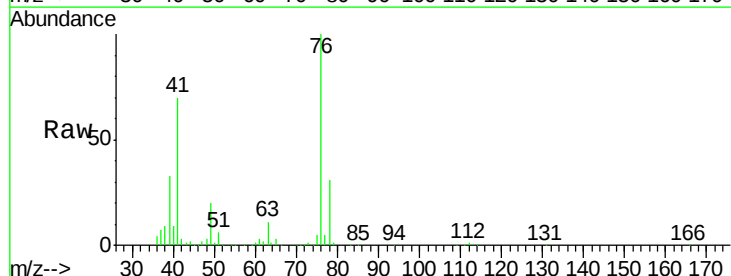
RT: 10.70 min Scan# 2777

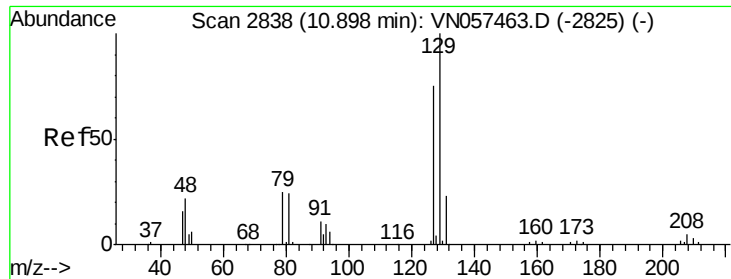
Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Tgt Ion:	76	Resp:	159006
Ion Ratio	Lower	Upper	
76	100		
78	31.5	0.0	63.0





#53

Dibromochloromethane

Concen: 18.618 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:129 Resp: 90402

Ion Ratio Lower Upper

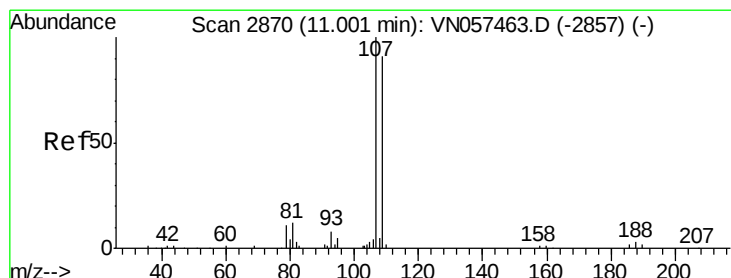
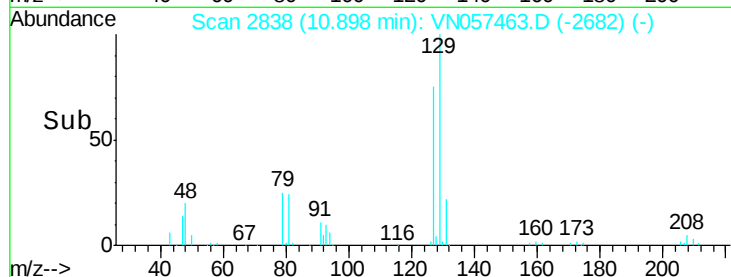
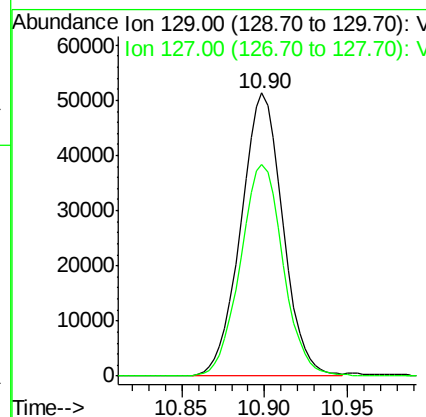
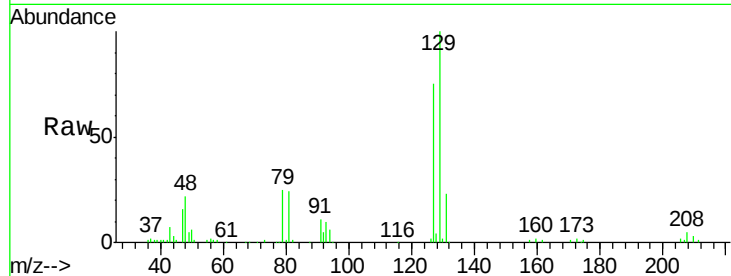
129 100

127 76.2 38.1 114.3

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 19.165 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057463.D

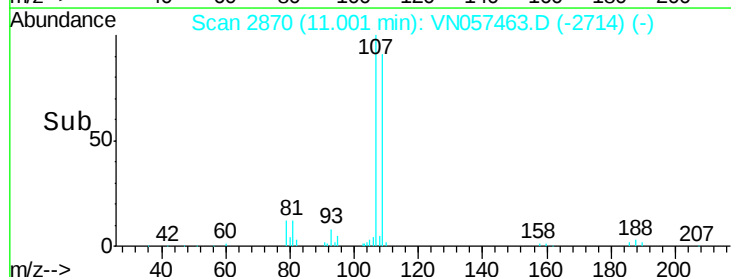
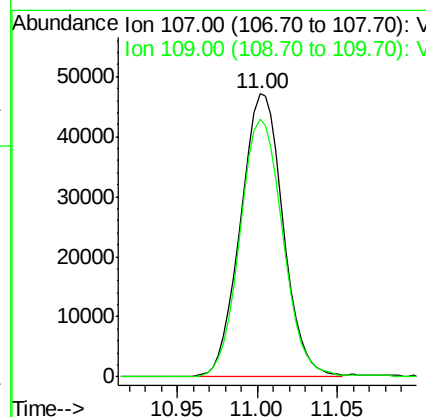
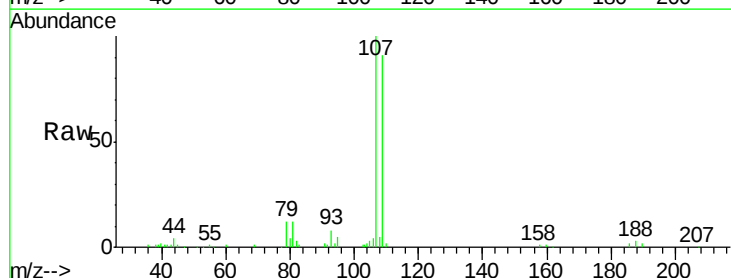
Acq: 23 Aug 2019 9:37

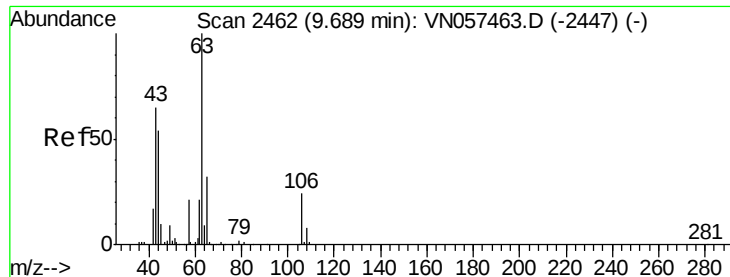
Tgt Ion:107 Resp: 85573

Ion Ratio Lower Upper

107 100

109 91.5 73.2 109.8





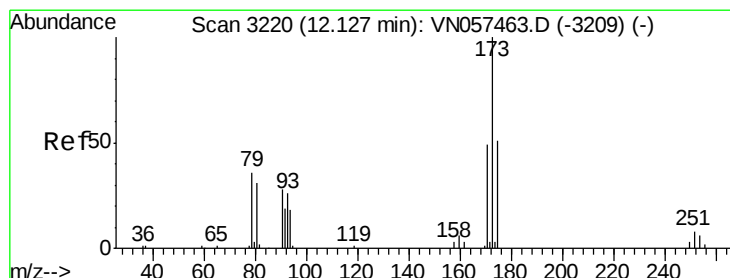
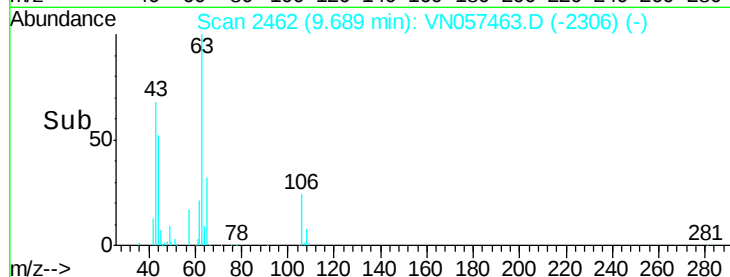
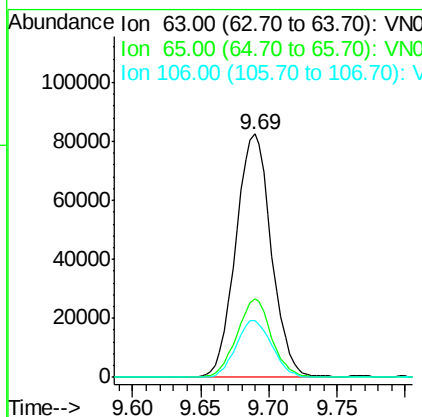
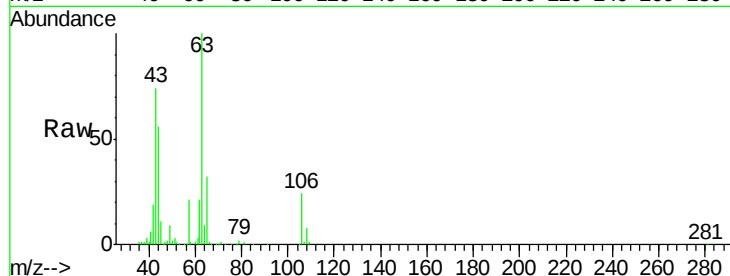
#55
2-Chloroethyl vinyl ether
Concen: 100.074 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.1	37.7
106	23.4	18.7	28.1

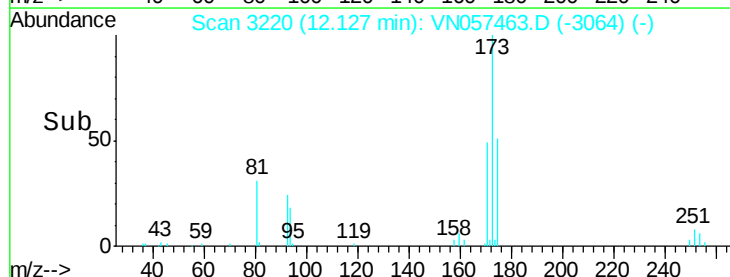
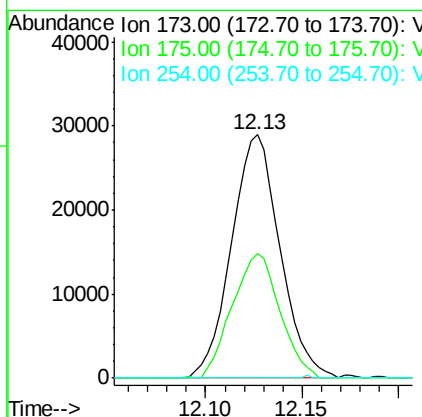
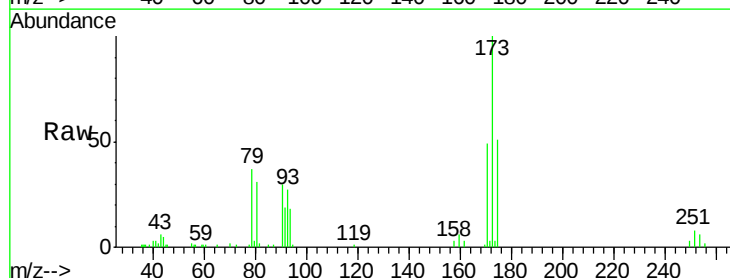
Manual Integrations
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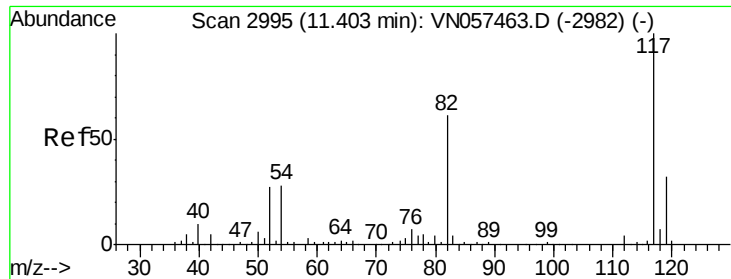
MMDadoda
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#56
Bromoform
Concen: 14.288 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.1	40.1	60.1
254	0.0	0.0	0.0





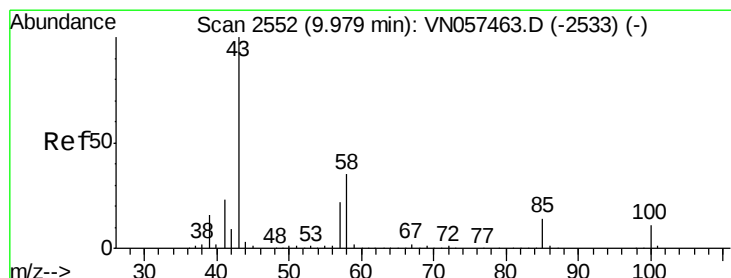
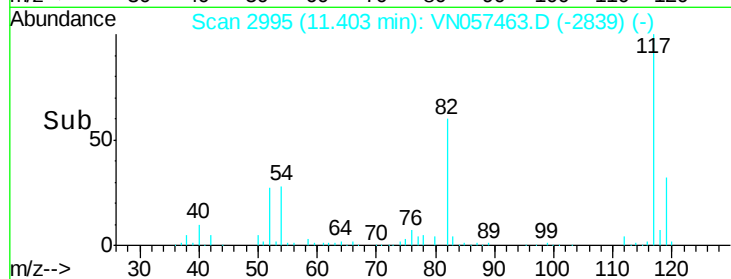
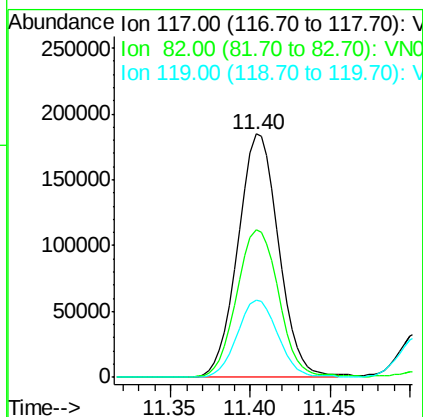
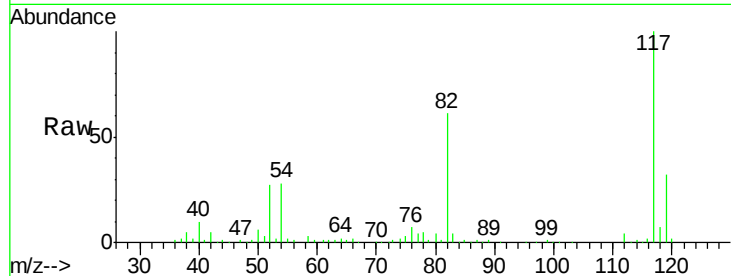
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	50.4	75.6
119	31.8	25.4	38.2

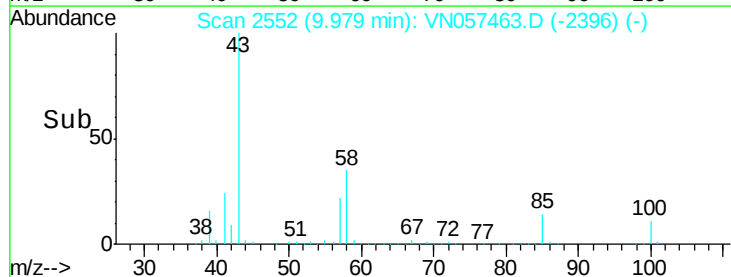
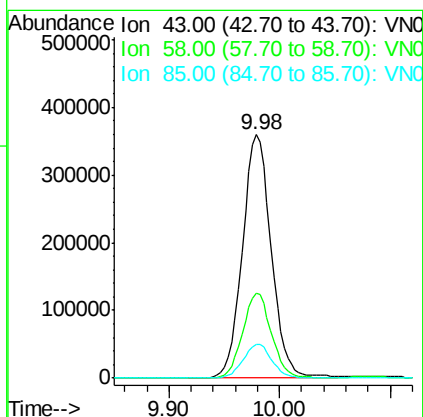
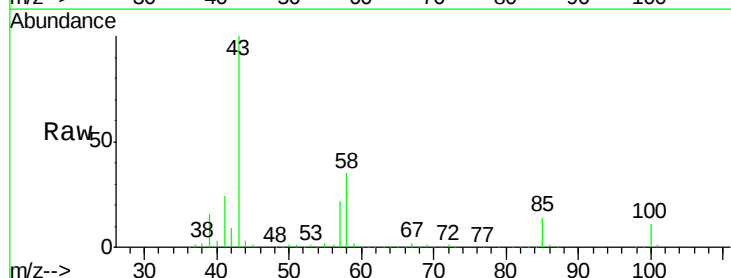
Manual Integrations
APPROVED

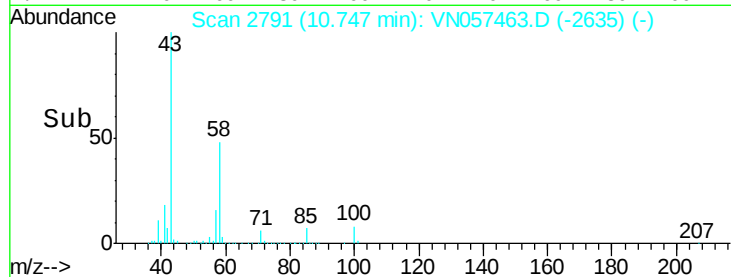
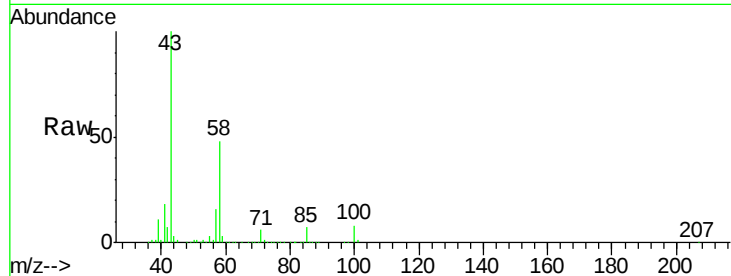
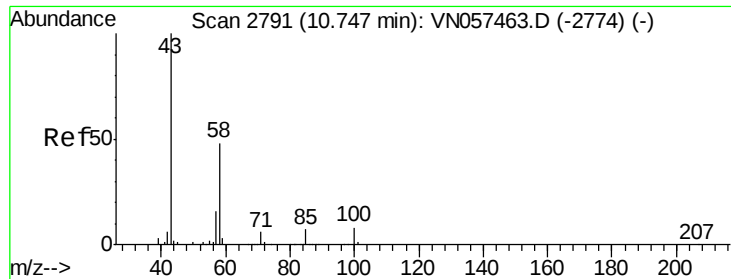
MMDadoda
8/26/2019 1:11:51 PM



#58
4-Methyl-2-Pentanone
Concen: 139.644 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.0	42.0
85	14.1	11.3	16.9





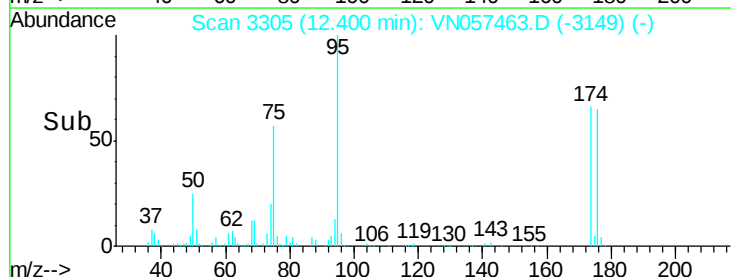
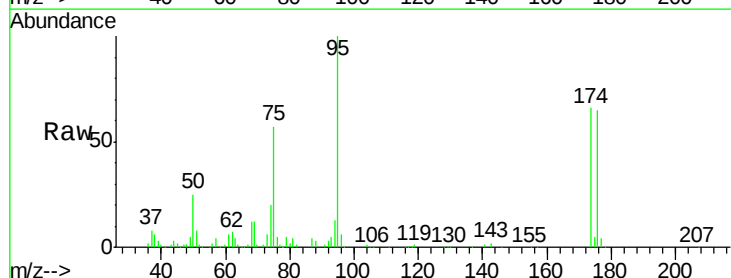
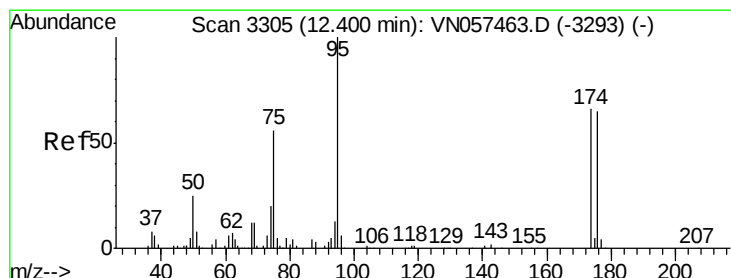
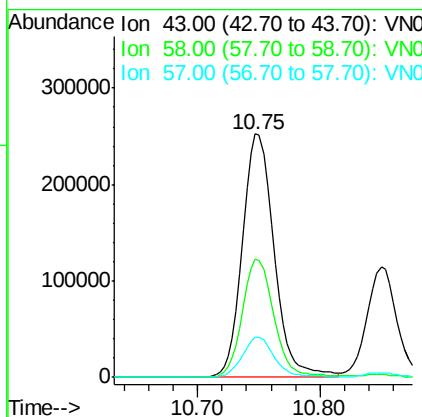
#59
2-Hexanone
Concen: 136.605 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tot Ion	Ratio	Resp	Lower	Upper
43	100	449750		
58	48.6		38.9	58.3
57	16.2		13.0	19.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

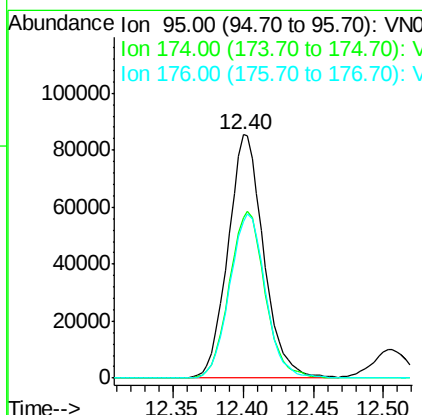
Manual Integrations
APPROVED

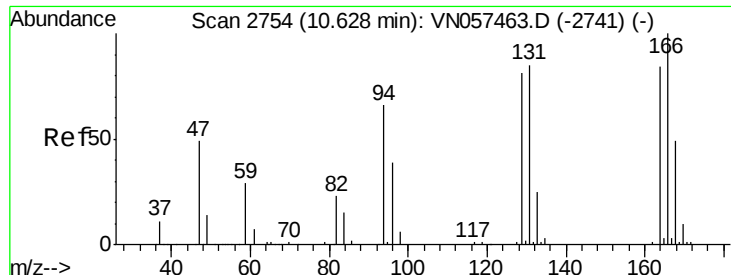
MMDadoda
8/26/2019 1:11:51 PM



#60
4-Bromofluorobenzene
Concen: 31.345 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	150926		
174	68.6		54.9	82.3
176	67.8		54.2	81.4





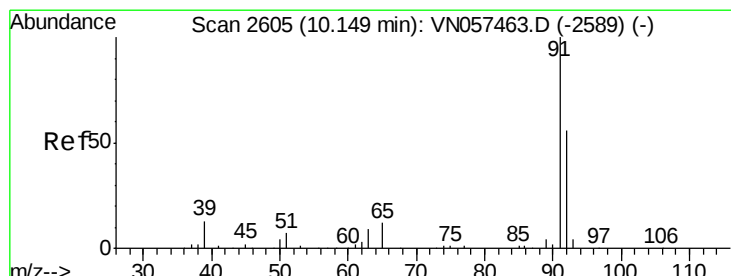
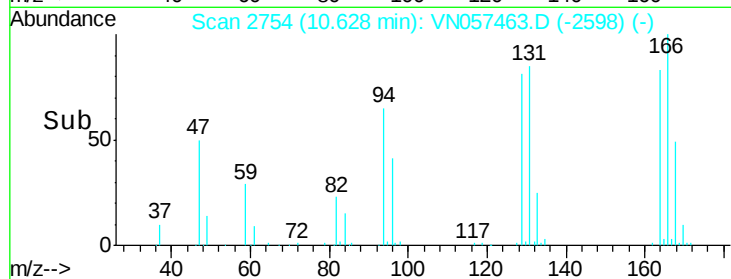
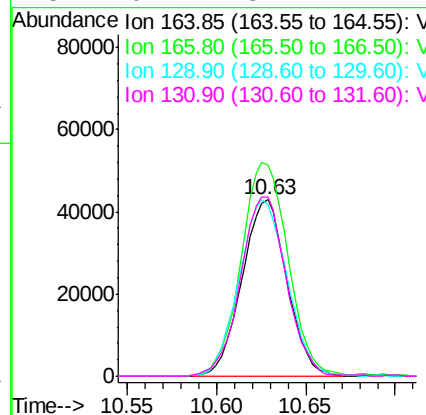
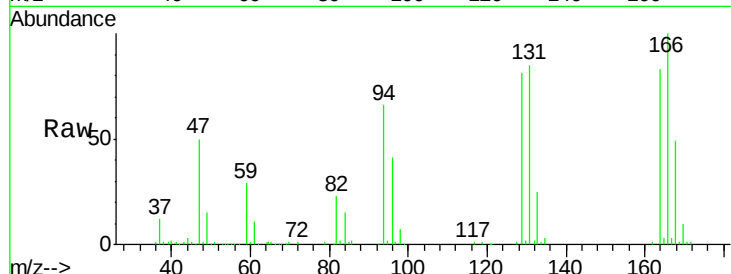
#61
Tetrachloroethene
Concen: 16.993 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	119.7	95.8	143.6
129	96.5	77.2	115.8
131	101.4	81.1	121.7

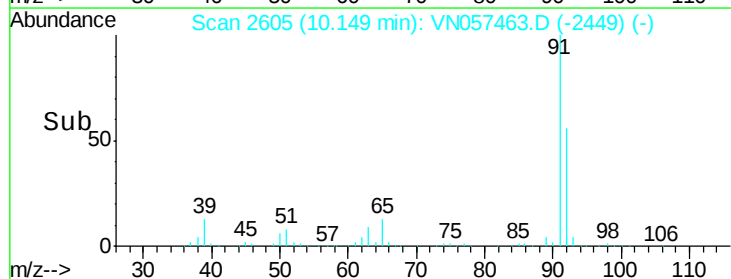
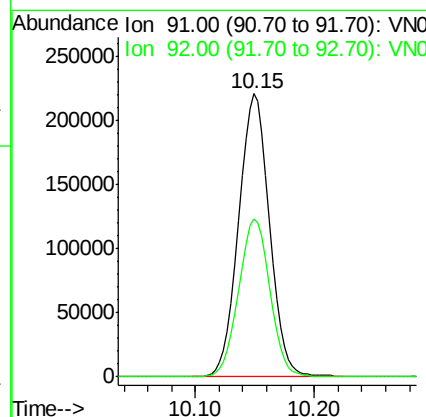
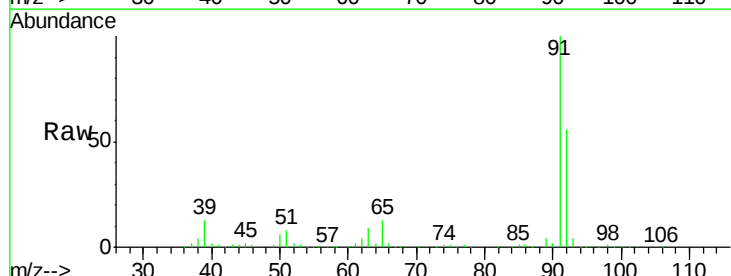
Manual Integrations
APPROVED

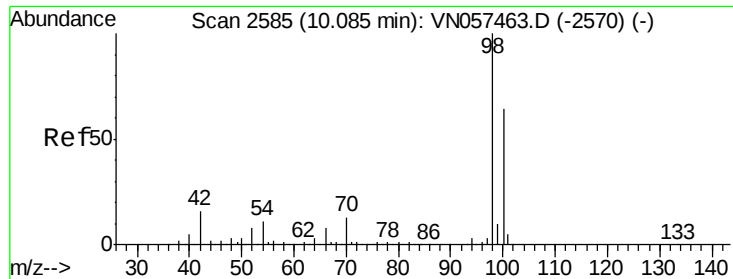
MMDadoda
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#62
Toluene
Concen: 22.012 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.7	45.4	68.0





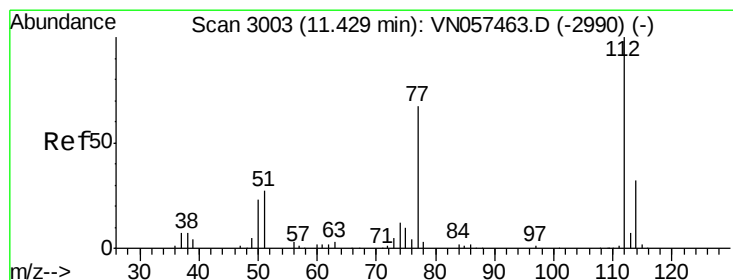
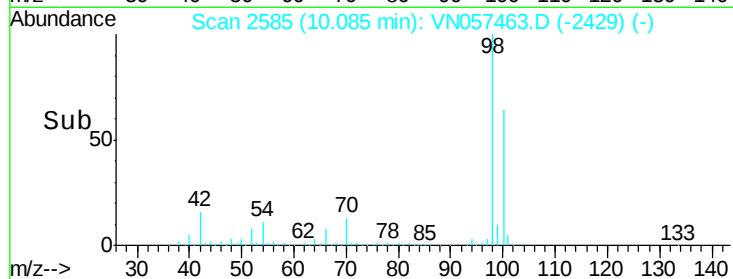
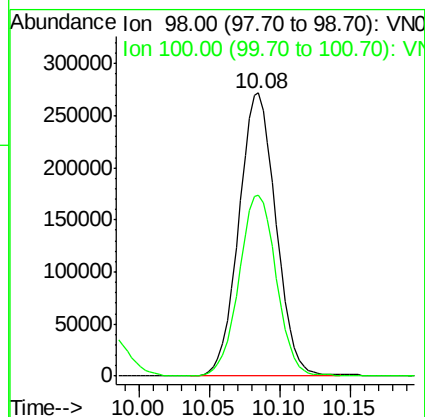
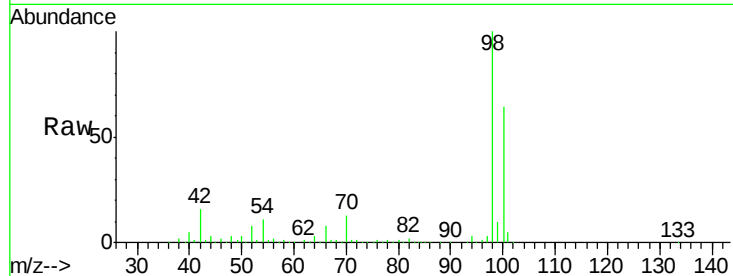
#63
Toluene-d8
Concen: 33.657 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 500738
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6

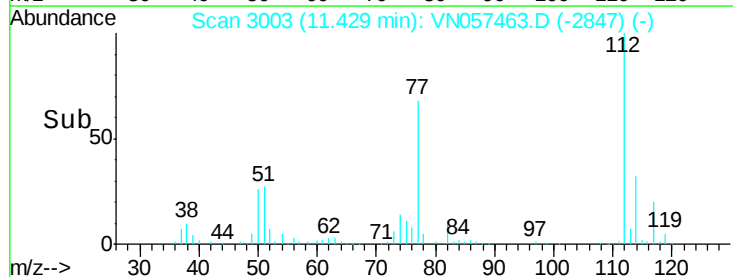
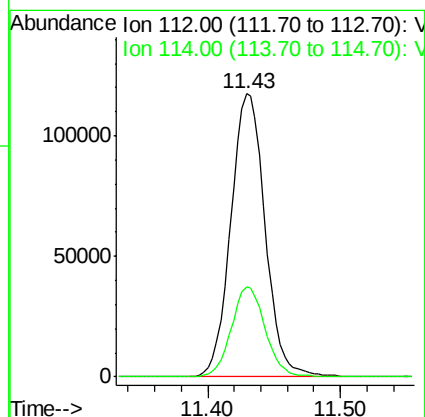
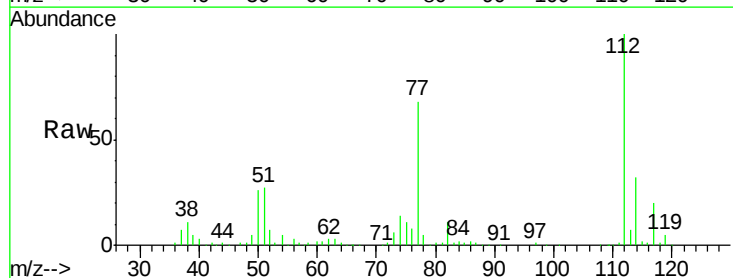
Manual Integrations
APPROVED

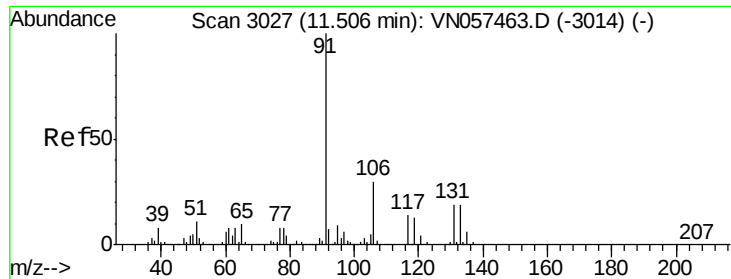
MMDadoda
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#64
Chlorobenzene
Concen: 19.203 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion: 112 Resp: 211123
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 18.997 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

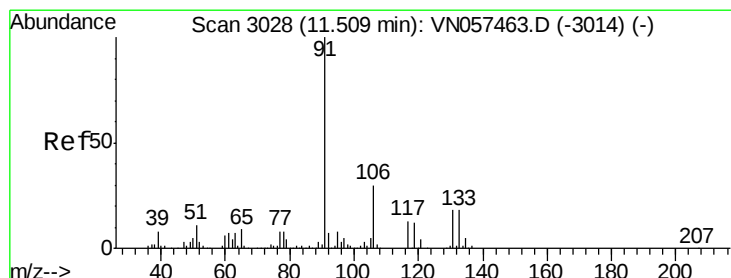
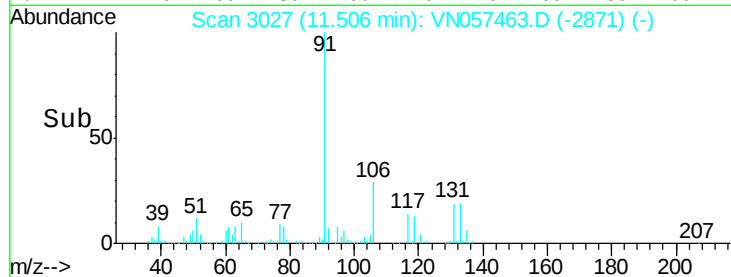
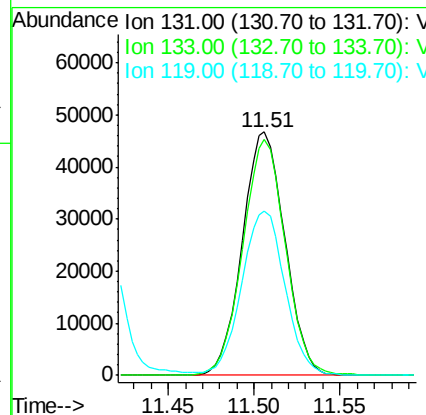
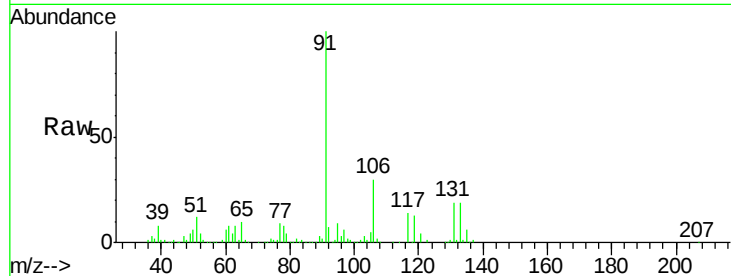
ClientSampleId :

VSTDICCC020

Tot Ion:	131	Resp:	80454
Ion Ratio	Lower	Upper	
131	100		
133	96.8	0.0	193.6
119	68.7	0.0	137.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.266 ug/l

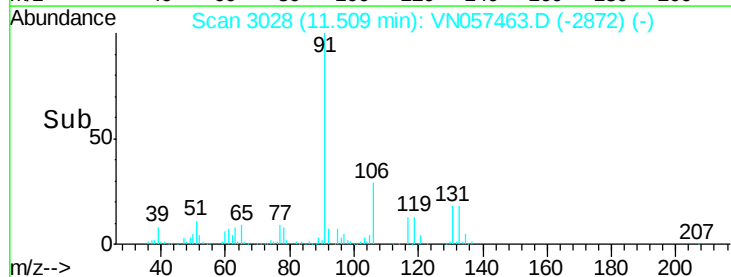
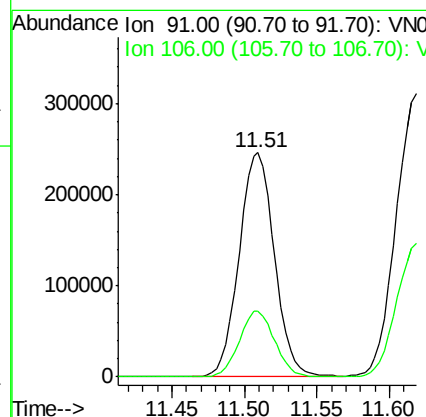
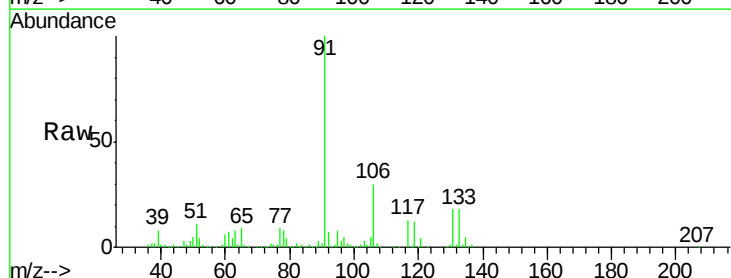
RT: 11.51 min Scan# 3028

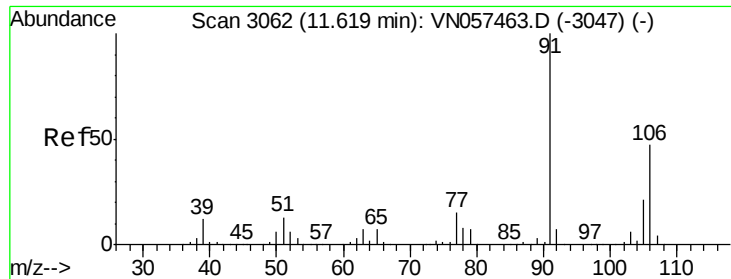
Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Tgt Ion:	91	Resp:	416474
Ion Ratio	Lower	Upper	
91	100		
106	29.5	23.6	35.4





#67

m/p-Xvlenes

Concen: 39.797 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:106 Resp: 286646

Ion Ratio Lower Upper

106 100

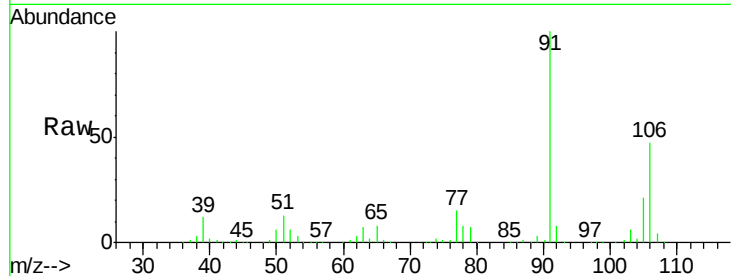
91 216.1 172.9 259.3

Manual Integrations

APPROVED

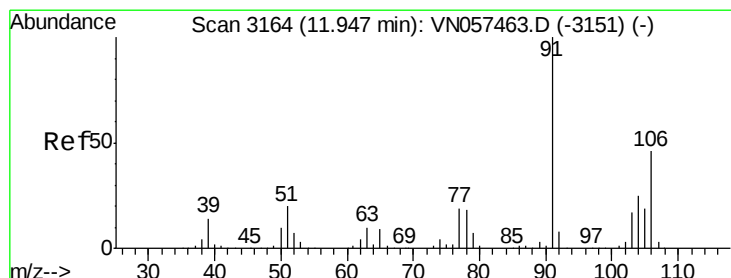
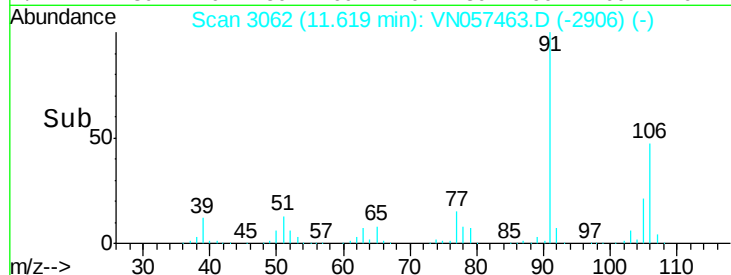
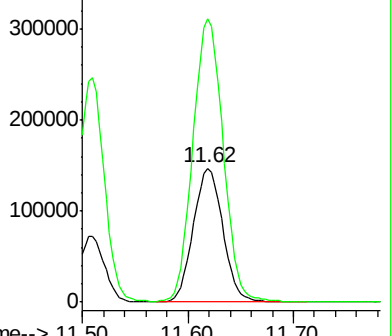
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.471 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057463.D

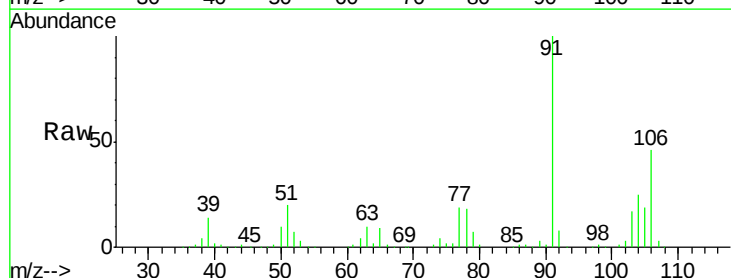
Acq: 23 Aug 2019 9:37

Tgt Ion:106 Resp: 145047

Ion Ratio Lower Upper

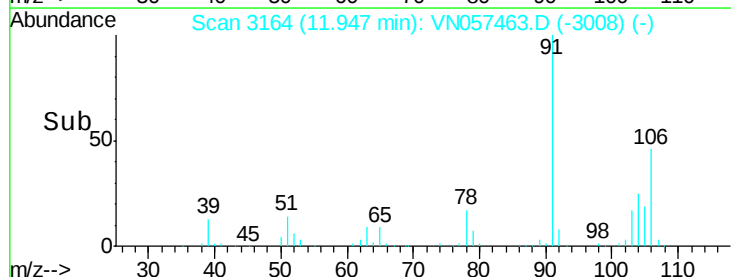
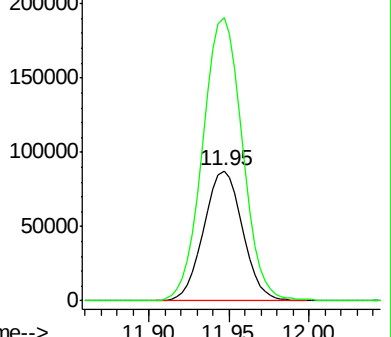
106 100

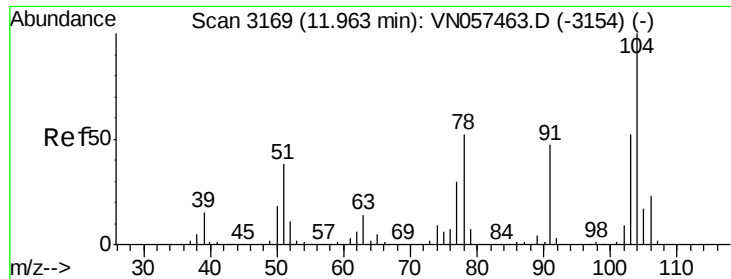
91 222.3 111.1 333.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





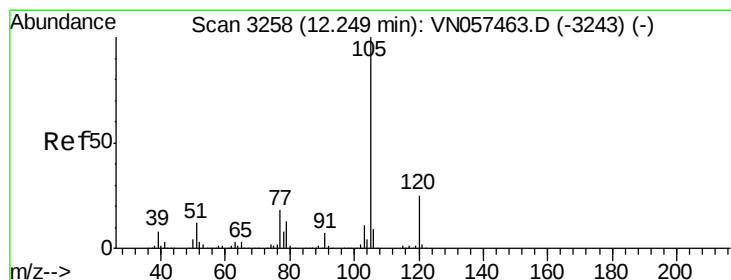
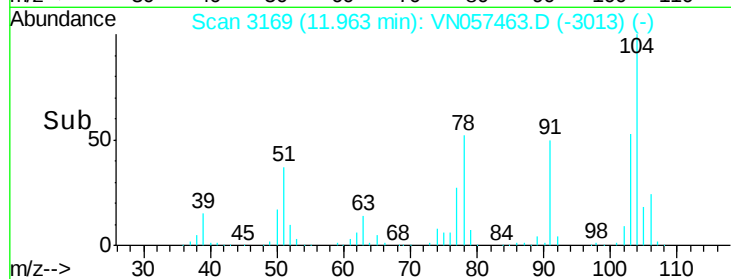
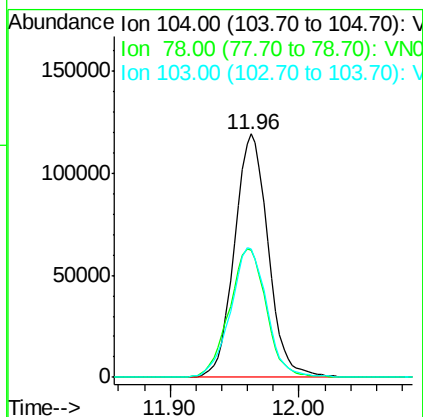
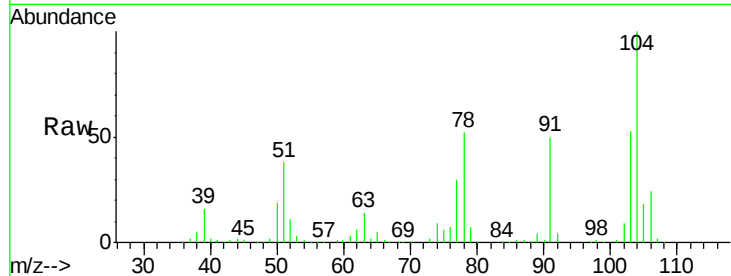
#69
Stvrene
Concen: 19.203 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.1	46.5	69.7
103	57.4	45.9	68.9

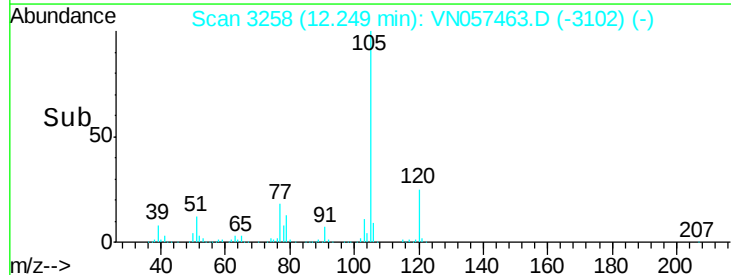
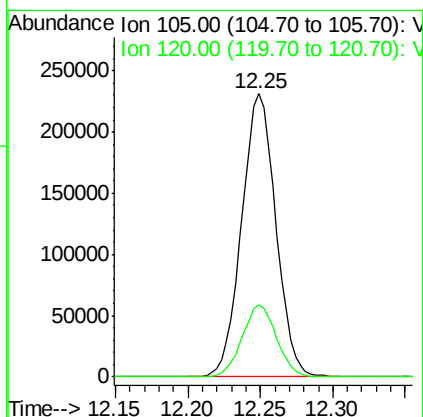
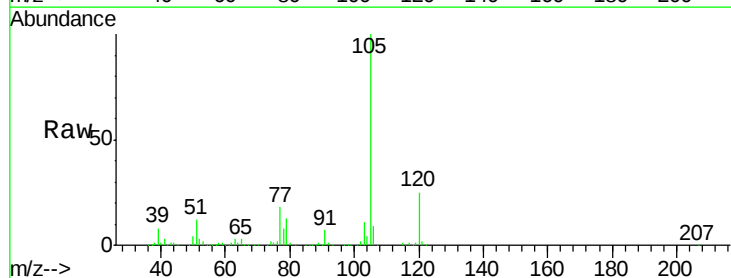
Manual Integrations
APPROVED

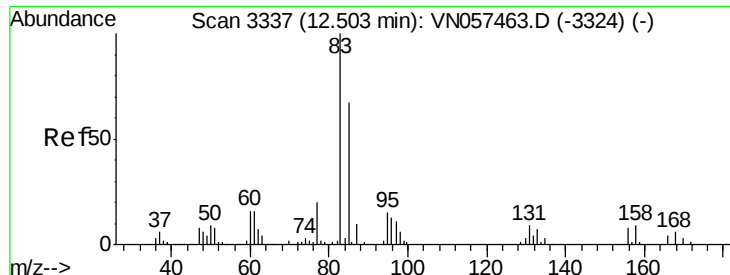
MMDadoda
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#70
Isopropylbenzene
Concen: 20.063 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	17.8	33.1





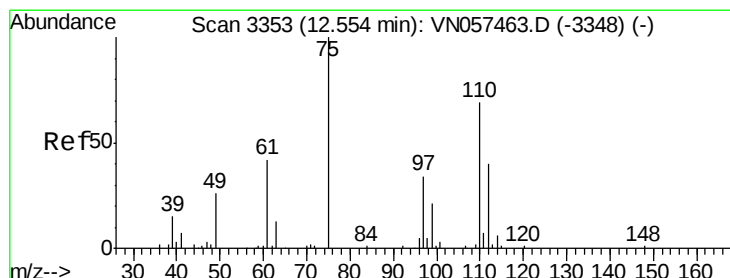
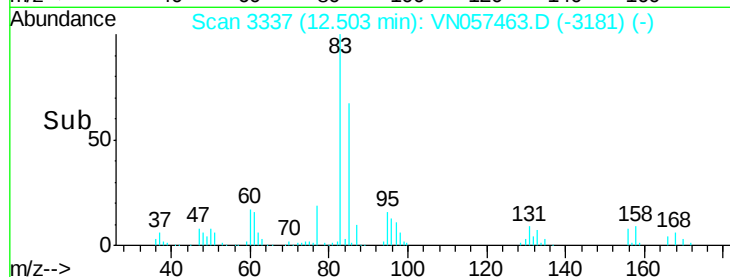
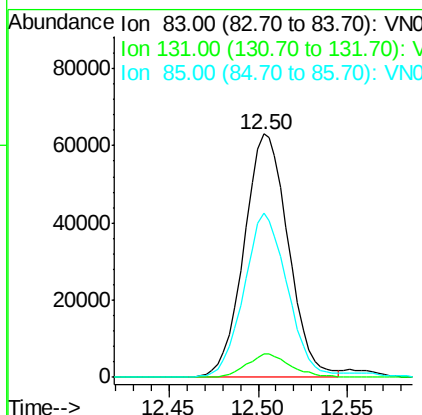
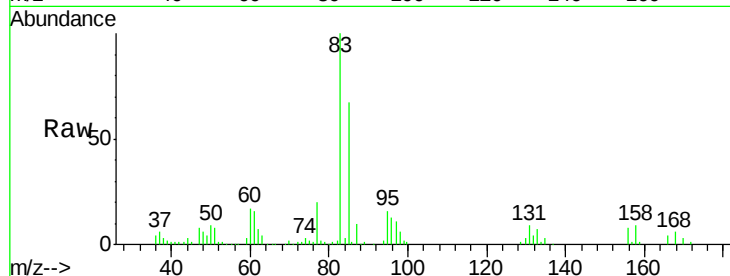
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.935 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.4	4.7	14.1	
85	66.1	33.1	99.2	

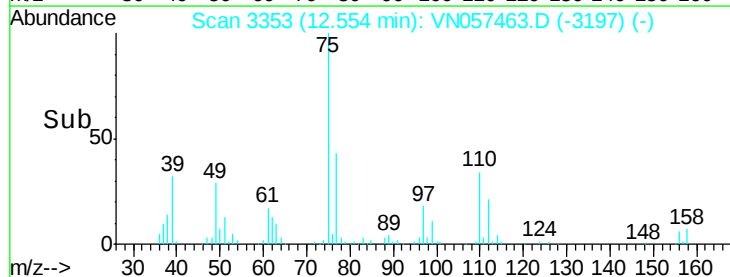
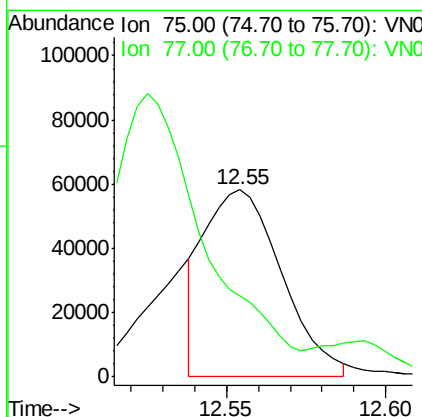
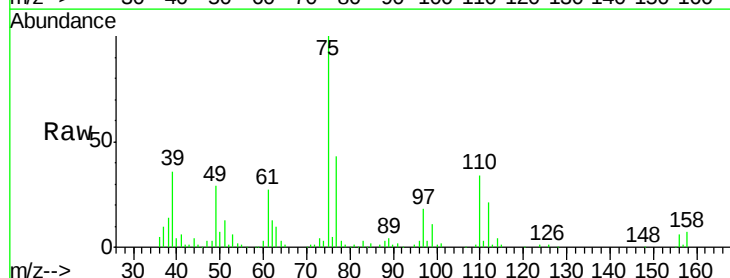
Manual Integrations
 APPROVED

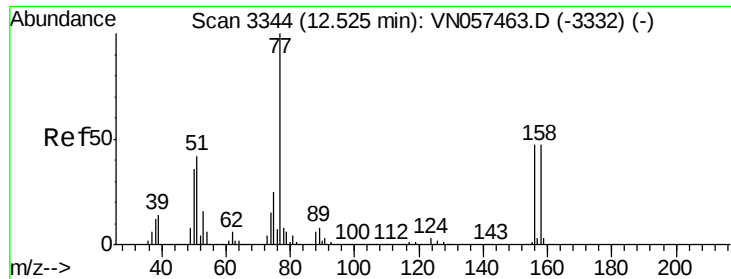
MMDadoda
 8/26/2019 1:11:51 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.923 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	191.2	0.0	380.2	





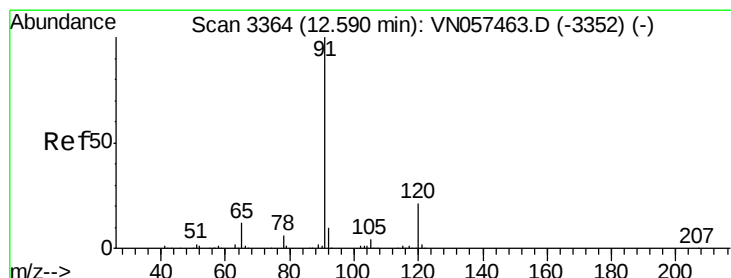
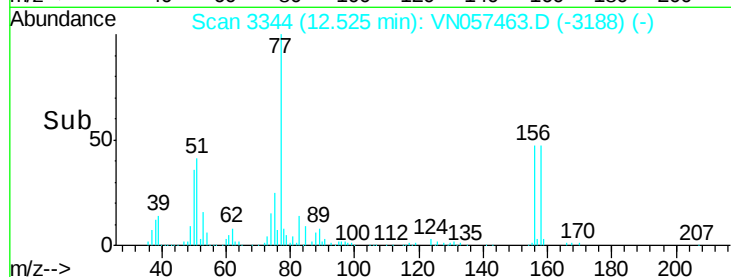
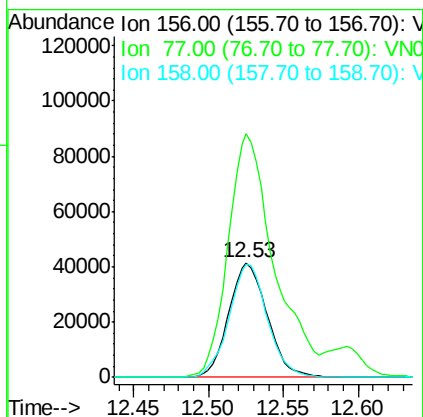
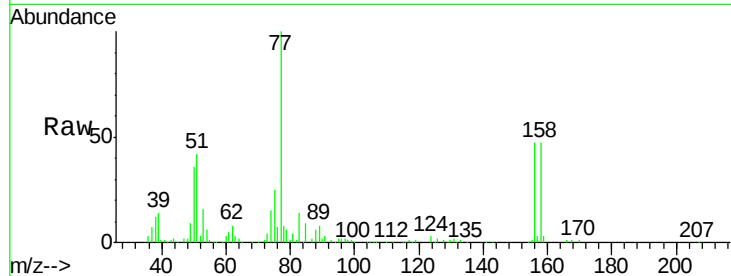
#73
Bromobenzene
Concen: 15.489 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	253.4	0.0	506.8
158	98.3	0.0	196.6

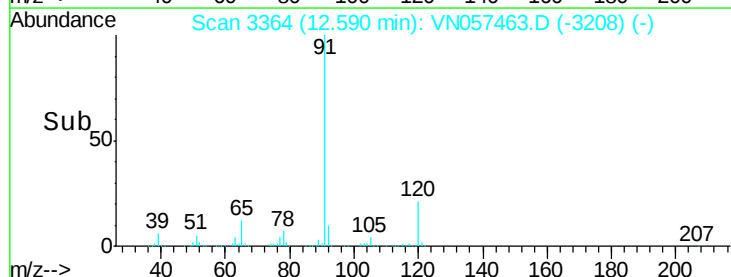
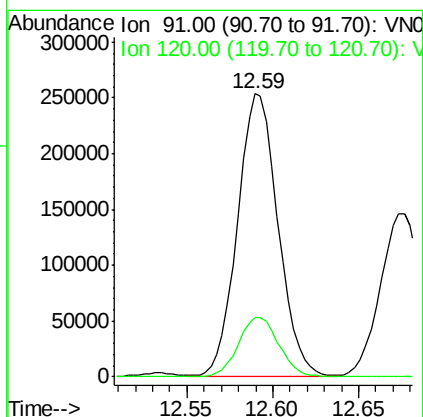
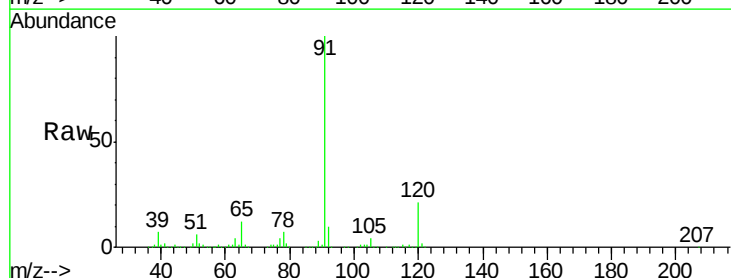
Manual Integrations
APPROVED

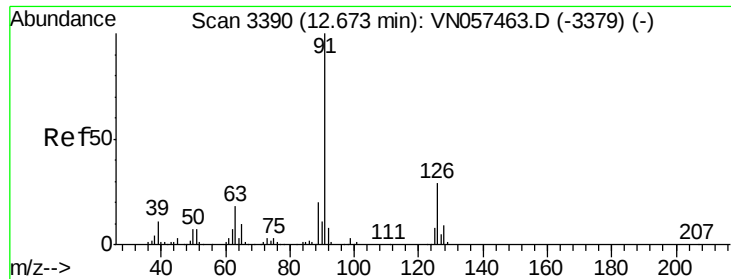
MMDadoda
8/26/2019 1:11:51 PM



#74
n-propylbenzene
Concen: 20.733 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	0.0	42.2





#75

2-Chlorotoluene

Concen: 20.476 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 251777

Ion Ratio Lower Upper

91 100

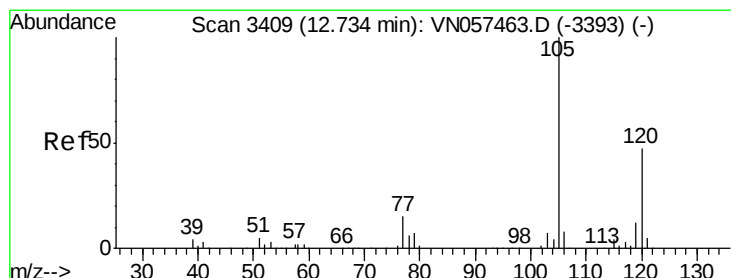
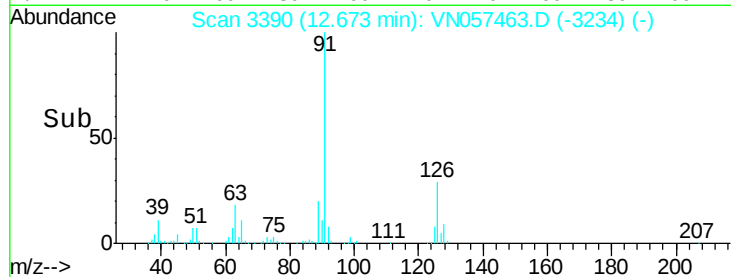
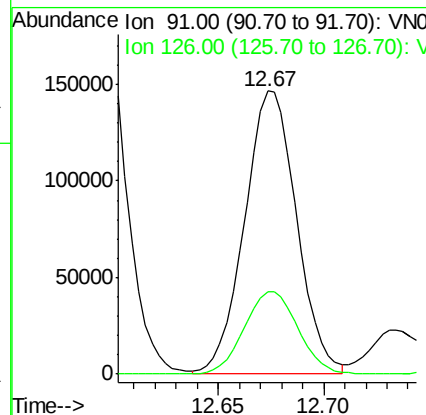
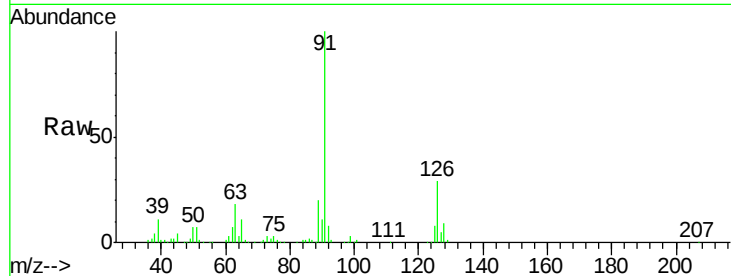
126 30.2 0.0 60.4

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#76

1,3,5-Trimethylbenzene

Concen: 19.758 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057463.D

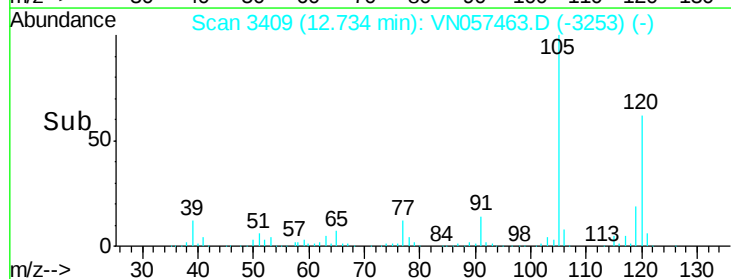
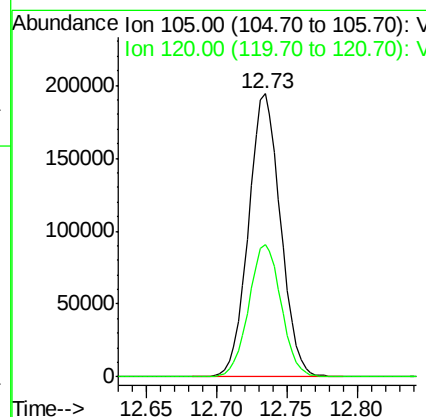
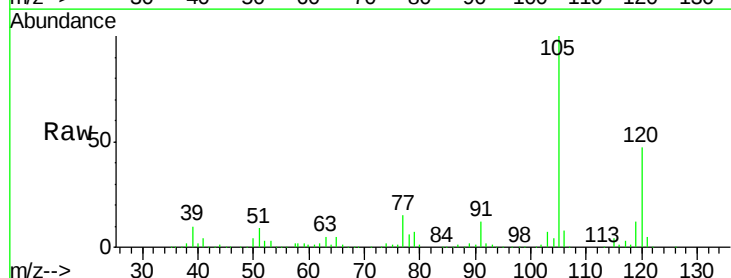
Acq: 23 Aug 2019 9:37

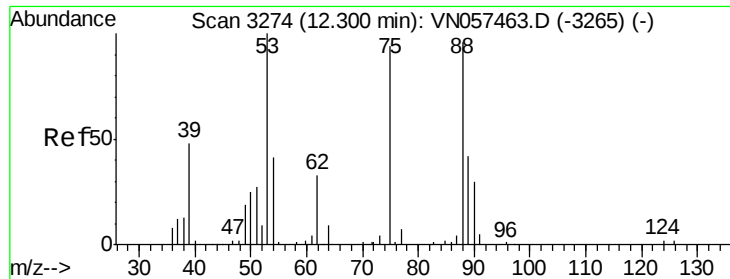
Tgt Ion: 105 Resp: 309871

Ion Ratio Lower Upper

105 100

120 47.2 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 20.115 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 75 Resp: 34488

Ion Ratio Lower Upper

75 100

53 111.3 55.6 166.9

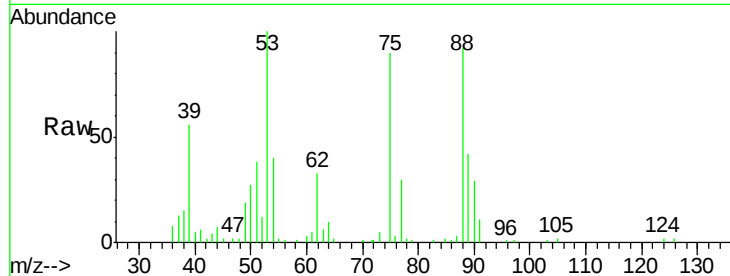
89 47.6 23.8 71.4

Manual Integrations

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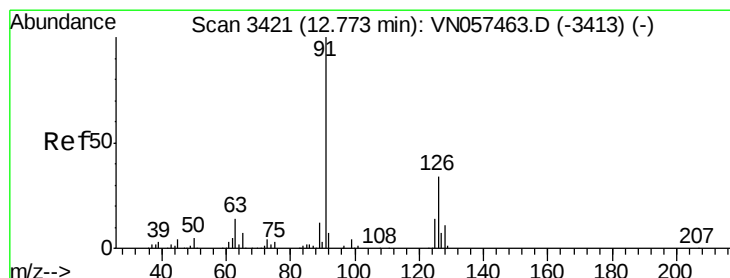
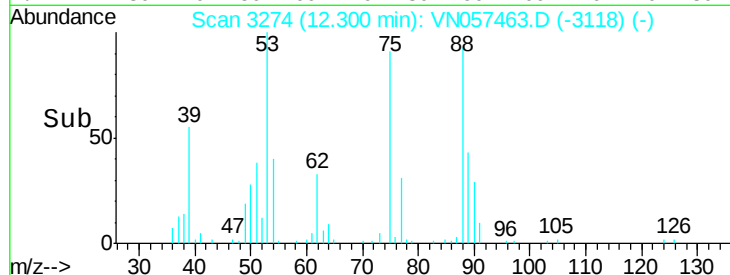
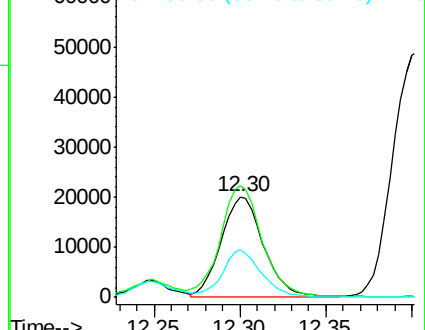
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Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.303 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057463.D

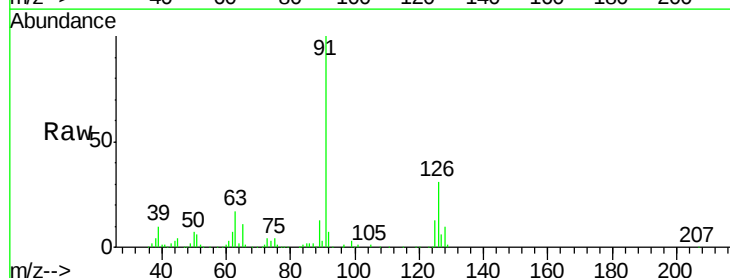
Acq: 23 Aug 2019 9:37

Tgt Ion: 91 Resp: 222665

Ion Ratio Lower Upper

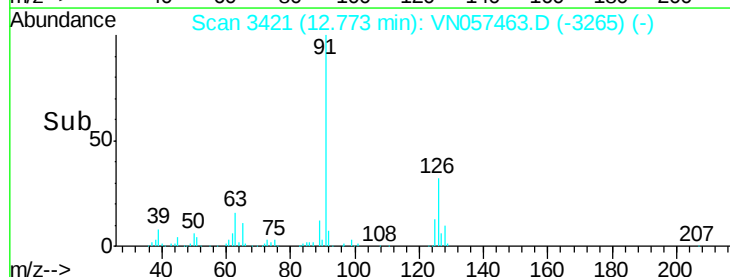
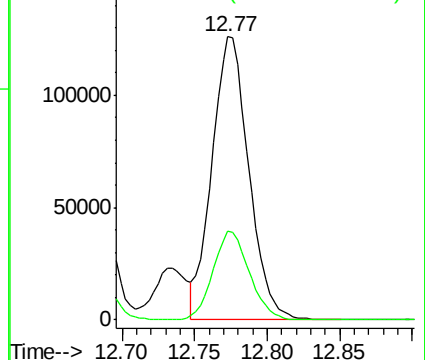
91 100

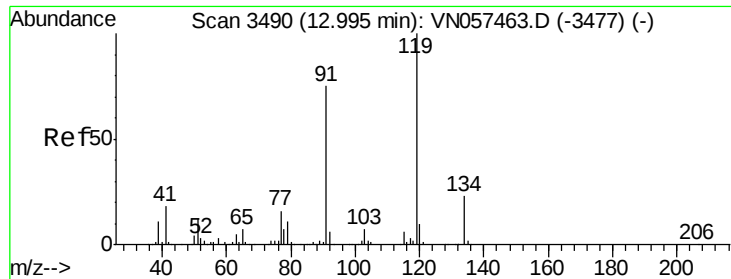
126 30.8 0.0 61.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





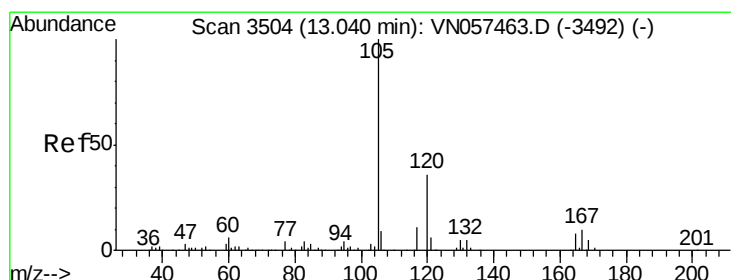
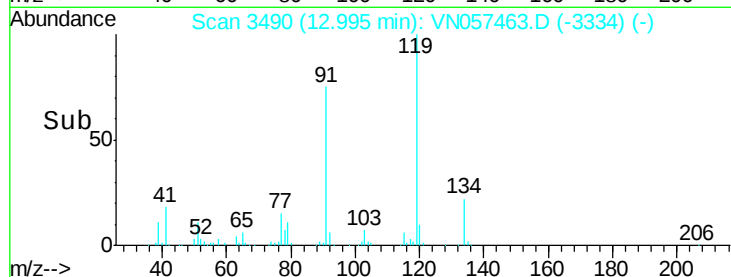
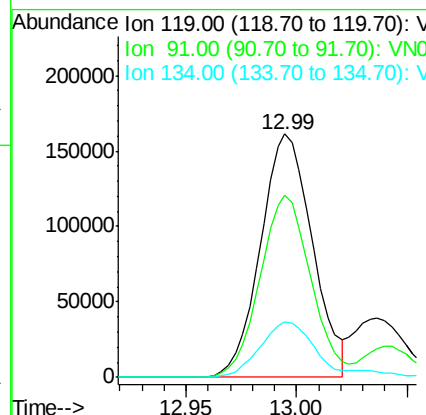
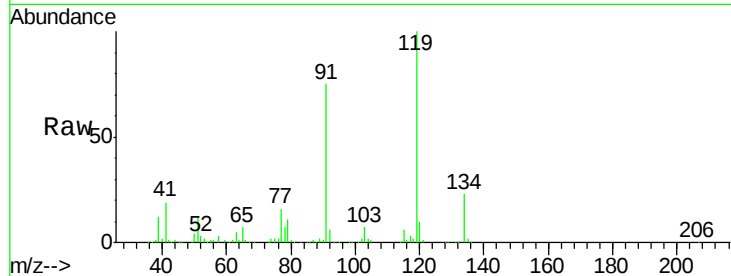
#79
tert-butylbenzene
Concen: 19.022 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	263810		
91	73.3	0.0	146.6	
134	23.1	0.0	46.2	

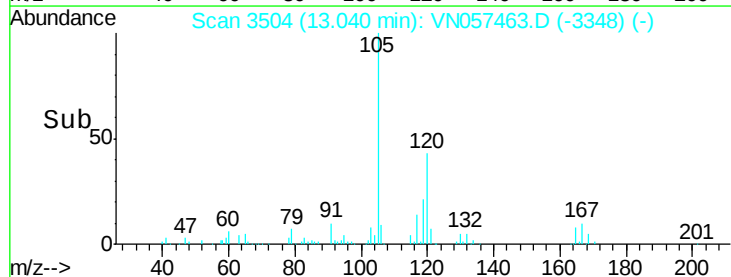
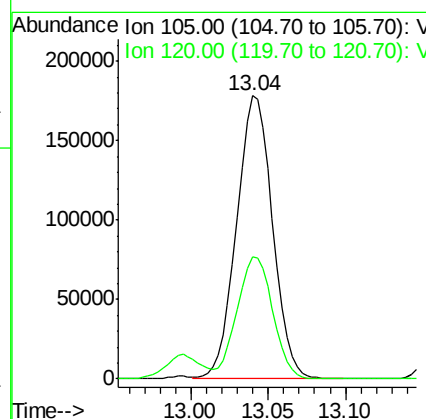
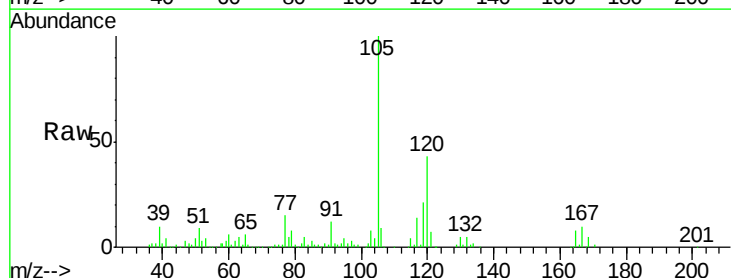
Manual Integrations
APPROVED

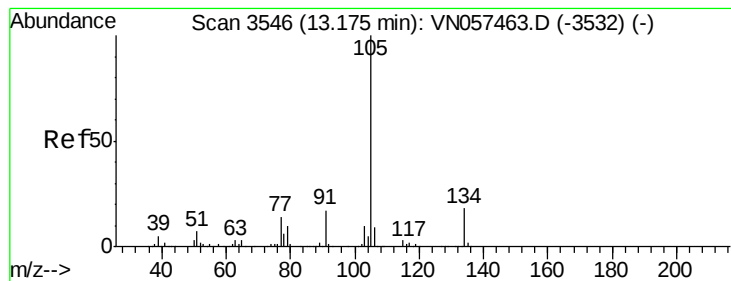
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#80
1,2,4-Trimethylbenzene
Concen: 19.436 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	287672		
120	42.7	0.0	85.4	





#81

sec-Butylbenzene

Concen: 19.606 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:105 Resp: 341044

Ion Ratio Lower Upper

105 100

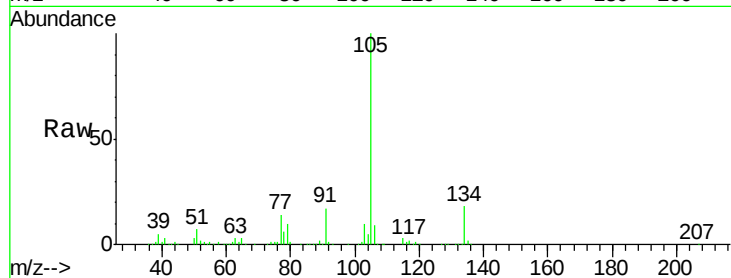
134 18.0 0.0 36.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

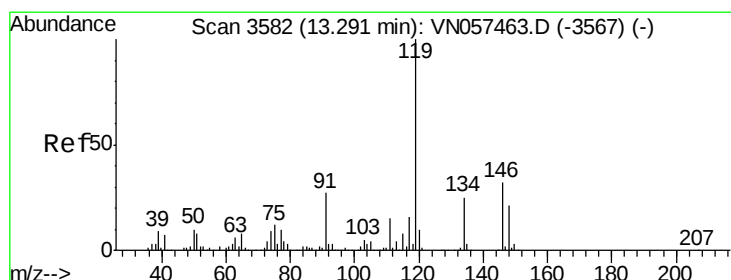
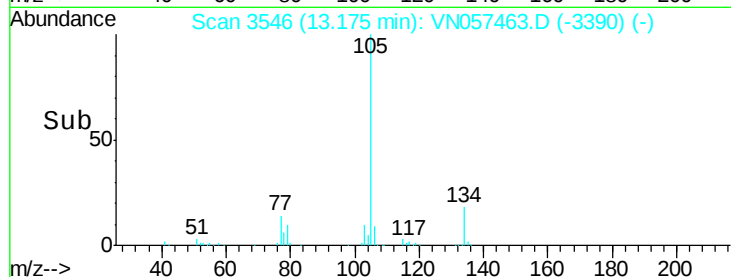
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 17.930 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

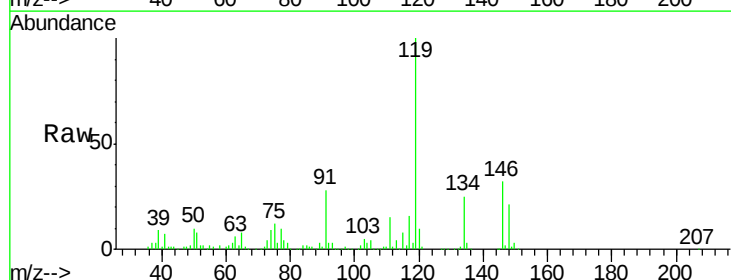
Tgt Ion:119 Resp: 275658

Ion Ratio Lower Upper

119 100

134 24.8 0.0 49.6

91 27.6 0.0 55.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

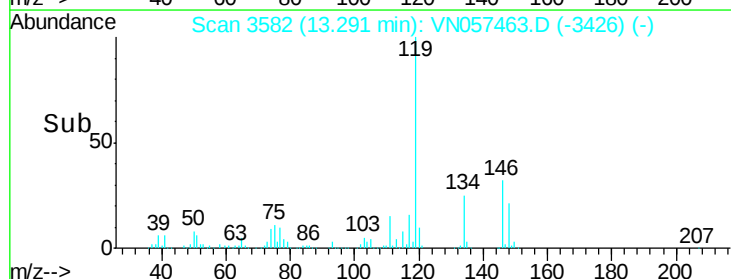
100000

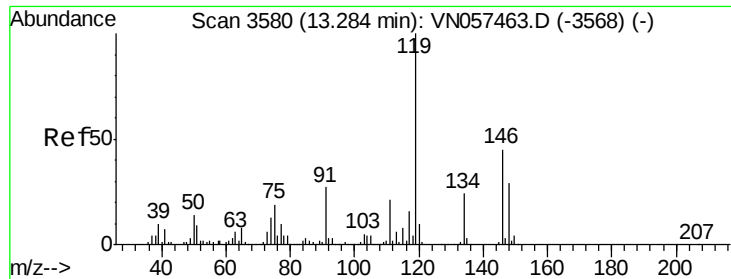
50000

0

13.20 13.25 13.30 13.35

Time-->





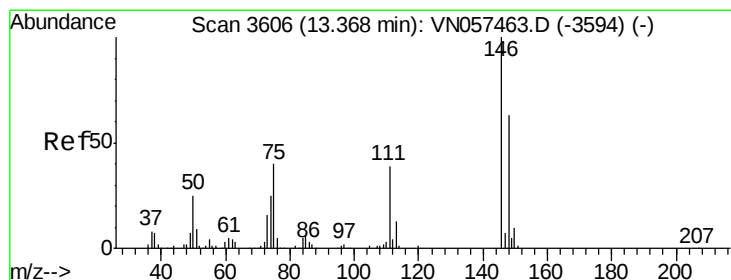
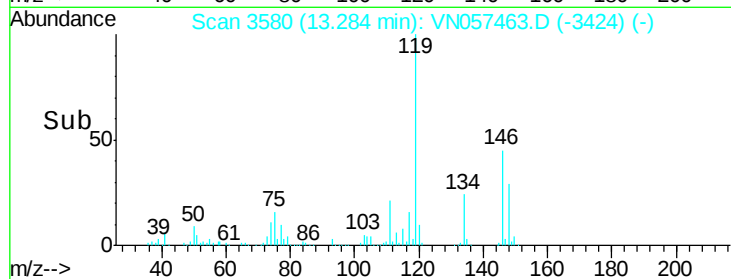
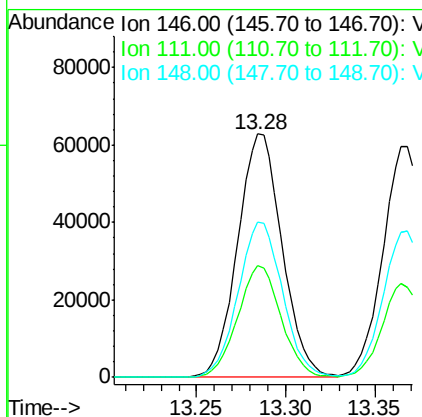
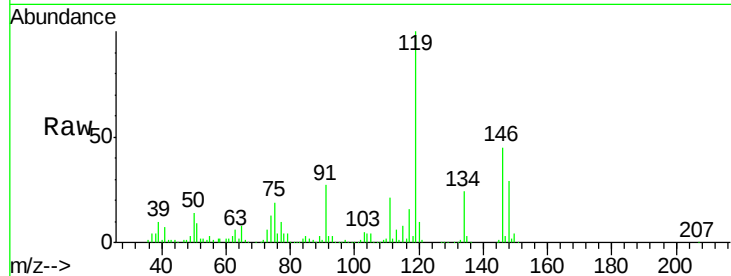
#83
 1,3-Dichlorobenzene
 Concen: 15.488 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	109601		
111	44.7	22.4	67.0	
148	63.6	31.8	95.4	

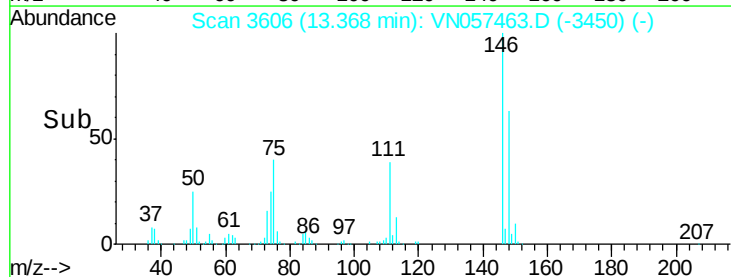
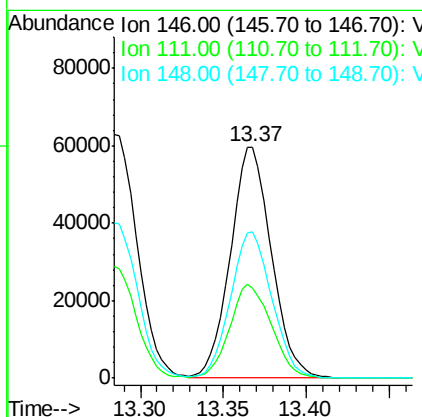
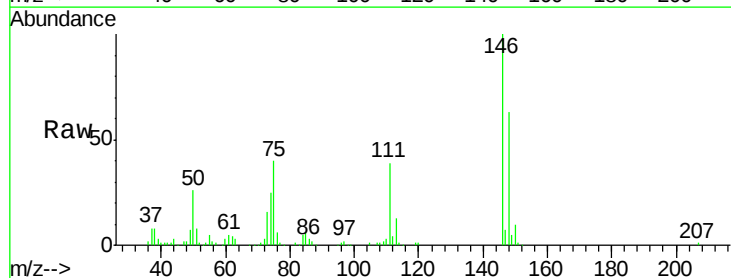
Manual Integrations
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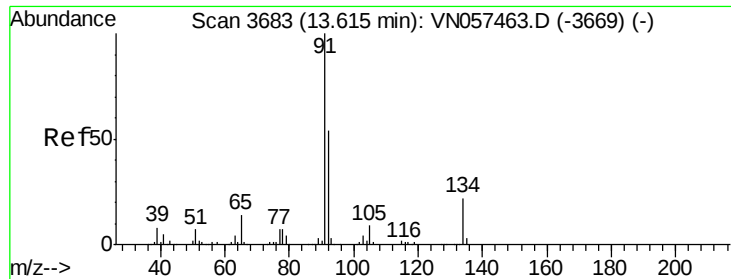
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 8/26/2019 1:11:51 PM



#84
 1,4-Dichlorobenzene
 Concen: 15.415 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	102871		
111	41.0	20.5	61.5	
148	63.8	31.9	95.7	





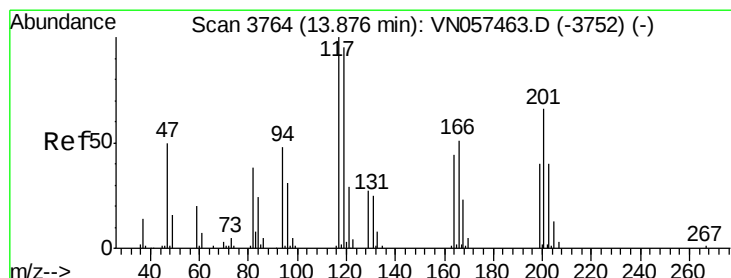
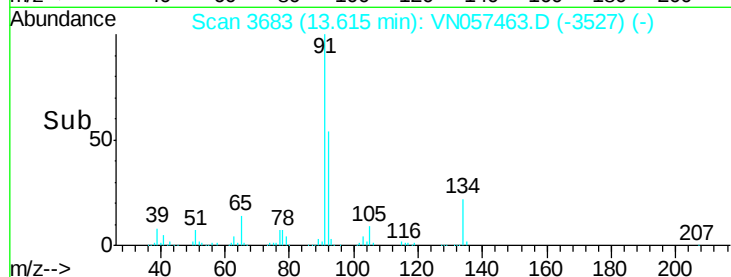
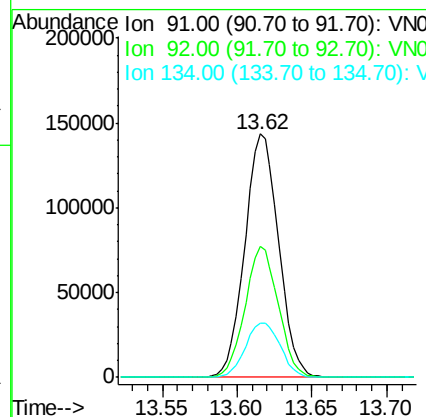
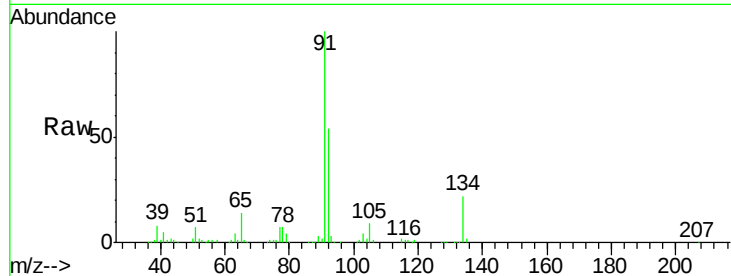
#85
n-Butylbenzene
Concen: 19.522 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	225578		
92	52.8		0.0	105.6
134	23.0		0.0	46.0

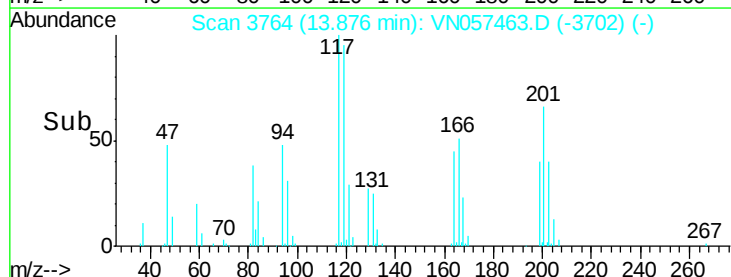
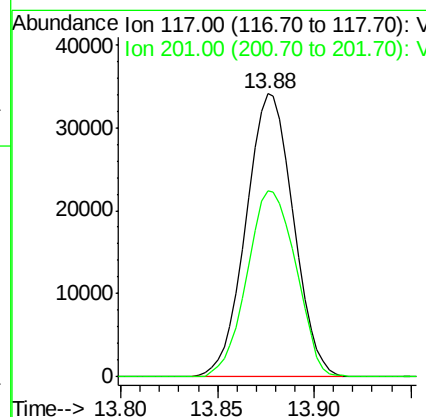
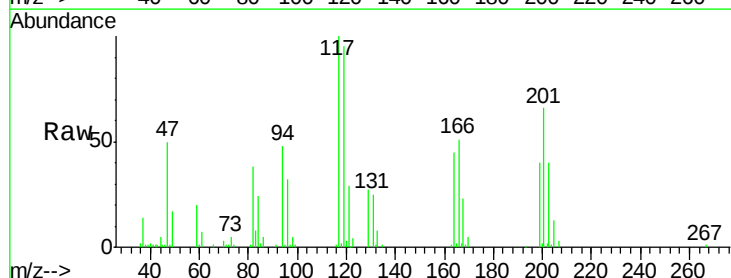
Manual Integrations
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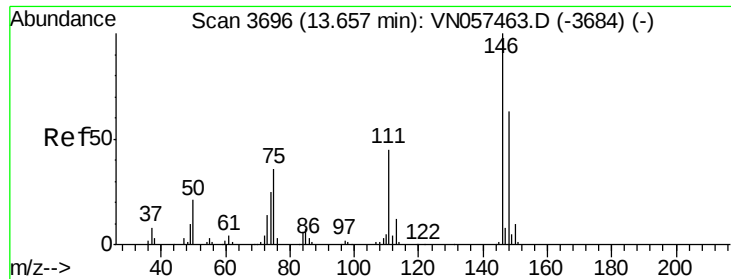
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#86
Hexachloroethane
Concen: 19.401 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057463.D
Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	57967		
201	67.9		34.0	101.8





#87

1,2-Dichlorobenzene

Concen: 16.545 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

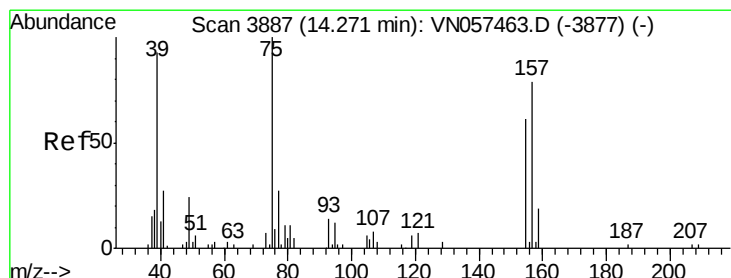
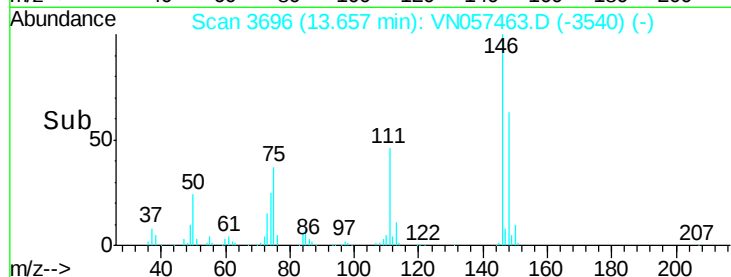
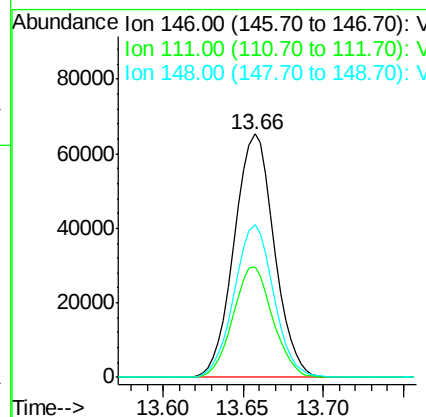
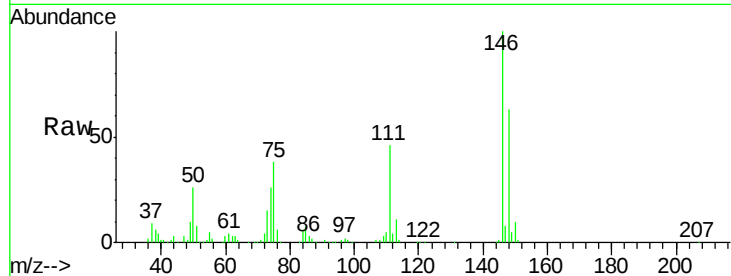
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	111326
Ion Ratio	Lower	Upper	
146	100		
111	45.0	22.5	67.5
148	61.8	30.9	92.7

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 22.495 ug/l

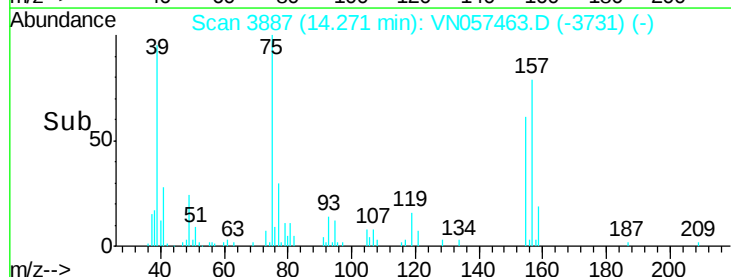
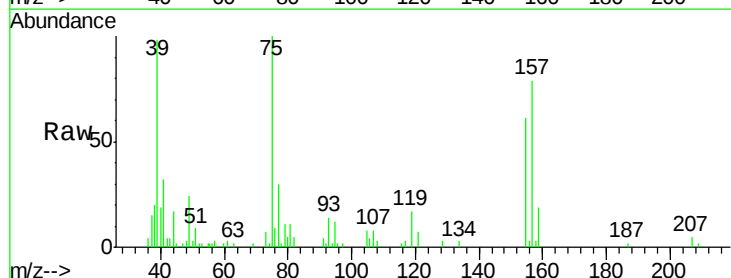
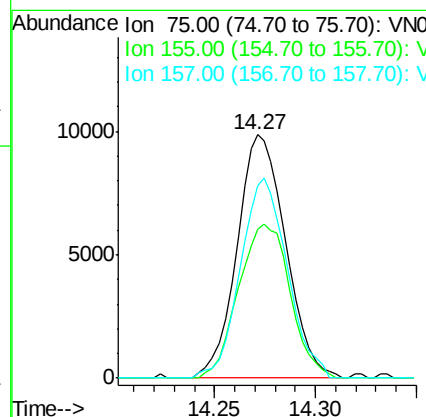
RT: 14.27 min Scan# 3887

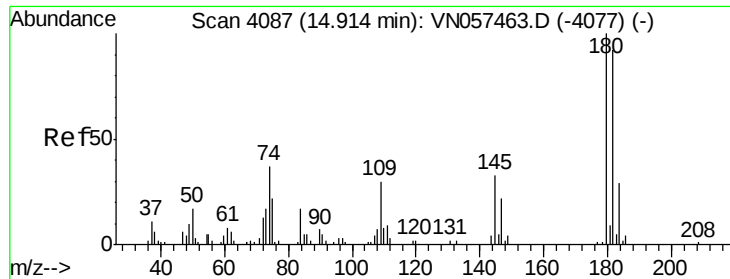
Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Tgt Ion:	75	Resp:	16630
Ion Ratio	Lower	Upper	
75	100		
155	67.1	53.7	80.5
157	79.4	63.5	95.3





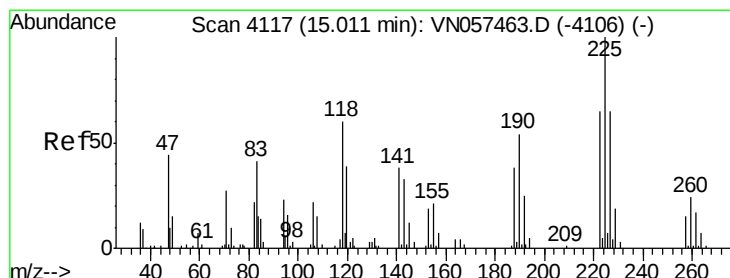
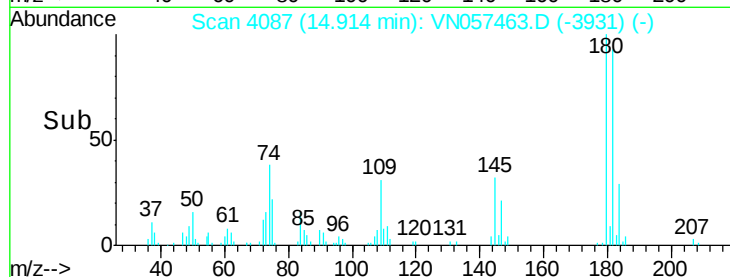
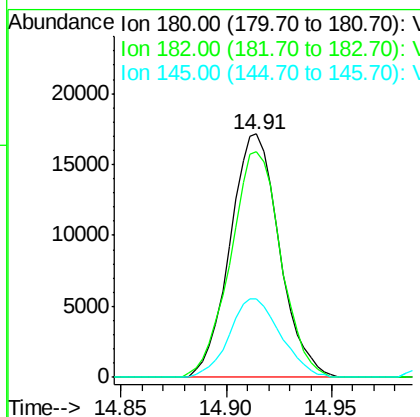
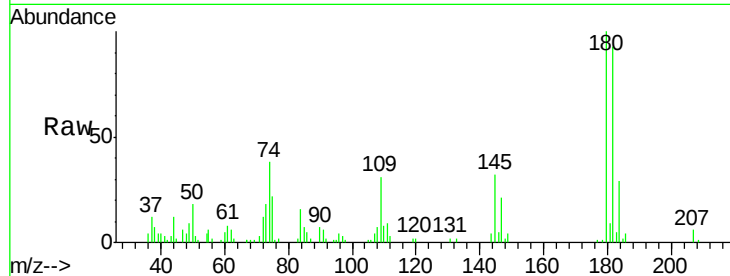
#89
 1,2,4-Trichlorobenzene
 Concen: 11.557 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.2
145	33.6	26.9	40.3

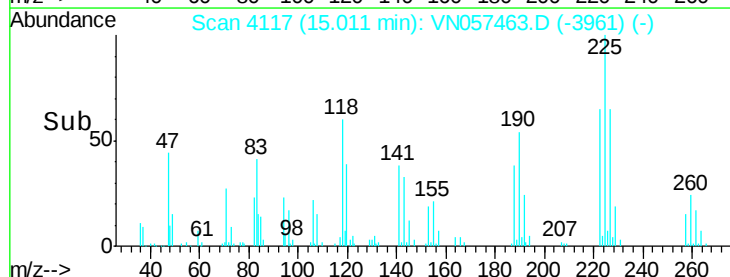
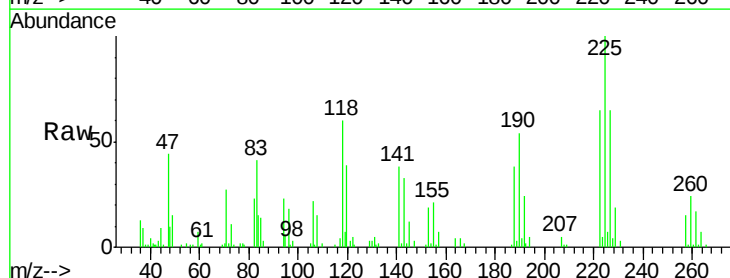
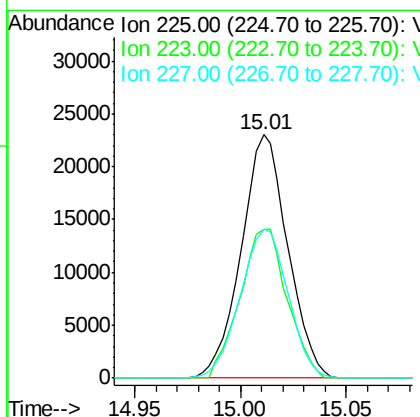
Manual Integrations
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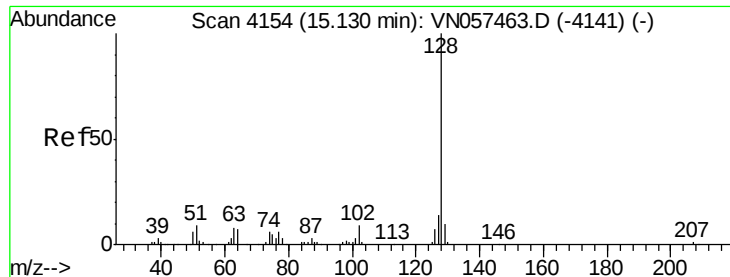
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#90
 Hexachlorobutadiene
 Concen: 12.387 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057463.D
 Acq: 23 Aug 2019 9:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	123.6
227	63.3	0.0	126.6





#91

Naphthalene

Concen: 17.847 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Instrument :

MSVOA_N

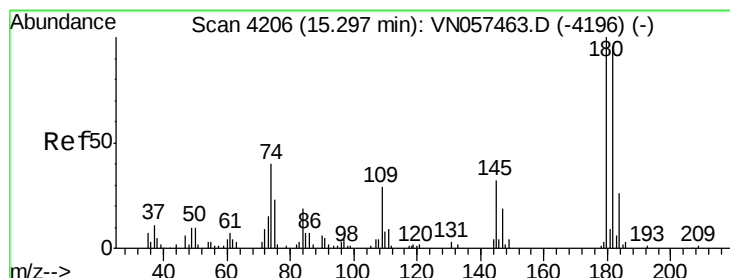
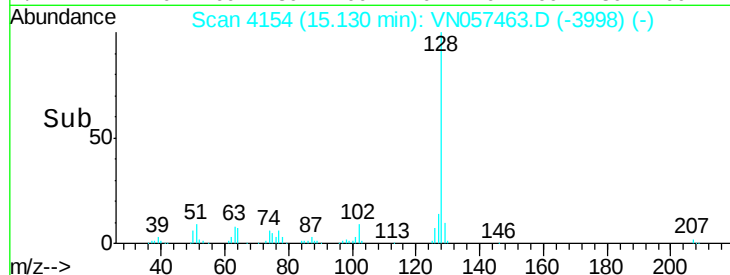
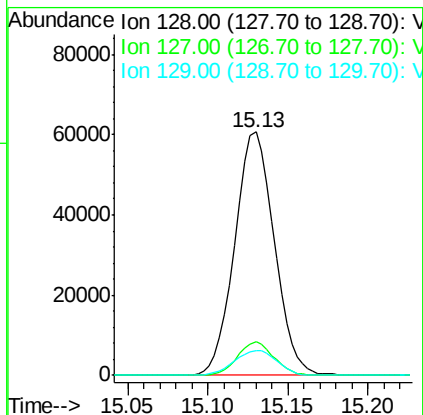
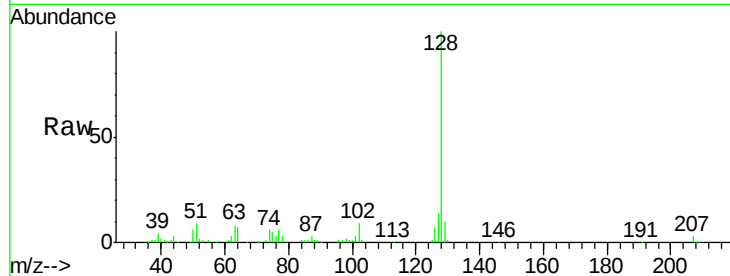
ClientSampleId :

VSTDICCC020

Tot Ion:	128	Resp:	102241
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 13.329 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057463.D

Acq: 23 Aug 2019 9:37

Tgt Ion:	180	Resp:	31215
Ion Ratio	Lower	Upper	
180	100		
182	93.5	0.0	187.0
145	32.2	0.0	64.4

