

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058003.D
 Acq On : 13 Sep 2019 9:12
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:48:28 PM

Quant Time: Sep 14 01:27:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	76981	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	447542	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	400476	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	206162	30.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.93%
60) 4-Bromofluorobenzene	12.40	95	203550	29.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.00%
63) Toluene-d8	10.09	98	577113	30.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	96160	20.675 ug/l	97
3) Chloromethane	2.04	50	102292	17.638 ug/l	98
4) Vinyl Chloride	2.17	62	102155	17.216 ug/l	99
5) Bromomethane	2.55	94	61323	16.560 ug/l	95
6) Chloroethane	2.69	64	65576	17.783 ug/l	98
7) Trichlorofluoromethane	3.00	101	126005	18.381 ug/l	98
8) Diethyl Ether	3.39	74	54614	19.748 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86978	20.319 ug/l	99
10) 1,1-Dichloroethene	3.72	96	78704	19.335 ug/l	97
11) Methyl Iodide	3.93	142	89064	16.354 ug/l	99
12) Methyl Acetate	4.30	43	107524	19.249 ug/l	97
13) Acrolein	3.60	56	1174m	3.873 ug/l	
14) Acrylonitrile	4.96	53	214548	94.214 ug/l #	90
15) Acetone	3.79	58	70690	109.342 ug/l	97
16) Carbon Disulfide	4.03	76	162716	17.167 ug/l	100
17) Allyl chloride	4.30	41	143145m	19.191 ug/l	
18) Methylene Chloride	4.53	84	99542	19.406 ug/l	98
19) trans-1,2-Dichloroethene	5.01	96	90707	19.994 ug/l	97
20) Diisopropyl ether	5.92	45	342601	19.647 ug/l	99
21) 1,1-Dichloroethane	5.82	63	192932	20.066 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	112358	20.213 ug/l	99
23) tert-Butyl Alcohol	4.75	59	65469m	88.064 ug/l	
24) Methyl tert-Butyl Ether	5.01	73	298915	19.159 ug/l #	100
25) Chloroform	7.35	83	196768	20.101 ug/l	97
26) Cyclohexane	7.64	56	157831	19.537 ug/l #	98
29) 1,1-Dichloropropene	7.78	75	141006	20.028 ug/l	99
30) 2-Butanone	6.81	43	336576	106.025 ug/l	100
31) 2,2-Dichloropropane	6.80	77	144062	19.381 ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	154974	19.578 ug/l	98
33) Carbon Tetrachloride	7.76	117	123573	19.136 ug/l	98
34) Benzene	8.03	78	418934	20.082 ug/l	97
35) Methacrylonitrile	7.15	41	50781m	17.247 ug/l	
36) 1,2-Dichloroethane	8.11	62	166146	20.524 ug/l	100
37) Trichloroethene	8.82	130	101842	20.100 ug/l	99
38) Methylcyclohexane	9.07	83	158493	19.770 ug/l	100
39) 1,2-Dichloropropane	9.11	63	118595	20.243 ug/l	97
40) Dibromomethane	9.20	93	73648	20.669 ug/l	99

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

41) Bromodichloromethane	9.39	83	140631	19.576	ug/l	93
42) Vinyl Acetate	5.87	43	1326178	103.943	ug/l	100
43) Ethyl Acetate	6.91	43	121911	18.823	ug/l	98
44) Isopropyl Acetate	8.15	43	239259	21.187	ug/l #	93
45) 1,4-Dioxane	9.19	88	32776	369.364	ug/l	98
46) Methyl methacrylate	9.19	41	103985	18.851	ug/l	99
47) n-amyl Acetate	12.07	43	185694	17.901	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	143173	18.721	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	164797	19.205	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	102557	19.843	ug/l	98
51) Ethyl methacrylate	10.43	69	145601	18.168	ug/l	96
52) 1,3-Dichloropropane	10.71	76	183671	20.320	ug/l	100
53) Dibromochloromethane	10.90	129	89633	17.560	ug/l	98
54) 1,2-Dibromoethane	11.00	107	97178	18.897	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	335260	88.039	ug/l	99
56) Bromoform	12.13	173	51803	16.382	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	647571	104.270	ug/l	99
59) 2-Hexanone	10.75	43	486672	104.425	ug/l	100
61) Tetrachloroethene	10.63	164	83517	20.511	ug/l	98
62) Toluene	10.15	91	456313	20.578	ug/l	100
64) Chlorobenzene	11.43	112	274815	19.978	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	93250	19.524	ug/l	99
66) Ethyl Benzene	11.51	91	506509	20.929	ug/l	100
67) m/p-Xylenes	11.62	106	370717	40.134	ug/l	99
68) o-Xylene	11.95	106	176459	19.500	ug/l	99
69) Styrene	11.97	104	303277	19.656	ug/l	99
70) Isopropylbenzene	12.25	105	495674	20.719	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	148544	19.867	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	121768m	18.349	ug/l	
73) Bromobenzene	12.53	156	111989	19.553	ug/l	98
74) n-propylbenzene	12.59	91	584239	21.375	ug/l	100
75) 2-Chlorotoluene	12.68	91	343768	20.192	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	421803	20.705	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	29949	15.212	ug/l	94
78) 4-Chlorotoluene	12.78	91	351604	20.247	ug/l	99
79) tert-butylbenzene	13.00	119	352086	19.811	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	419016	20.643	ug/l	99
81) sec-Butylbenzene	13.18	105	482736	20.472	ug/l	100
82) p-Isopropyltoluene	13.29	119	430051	20.365	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	210713	19.792	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	206765	19.727	ug/l	99
85) n-Butylbenzene	13.62	91	392396	19.938	ug/l	99
86) Hexachloroethane	13.88	117	57442	17.077	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	205748	19.909	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	22126	16.807	ug/l	96
89) 1,2,4-Trichlorobenzene	14.92	180	120904	19.152	ug/l	98
90) Hexachlorobutadiene	15.01	225	55778	19.239	ug/l	100
91) Naphthalene	15.13	128	315598	18.169	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	116543	19.358	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

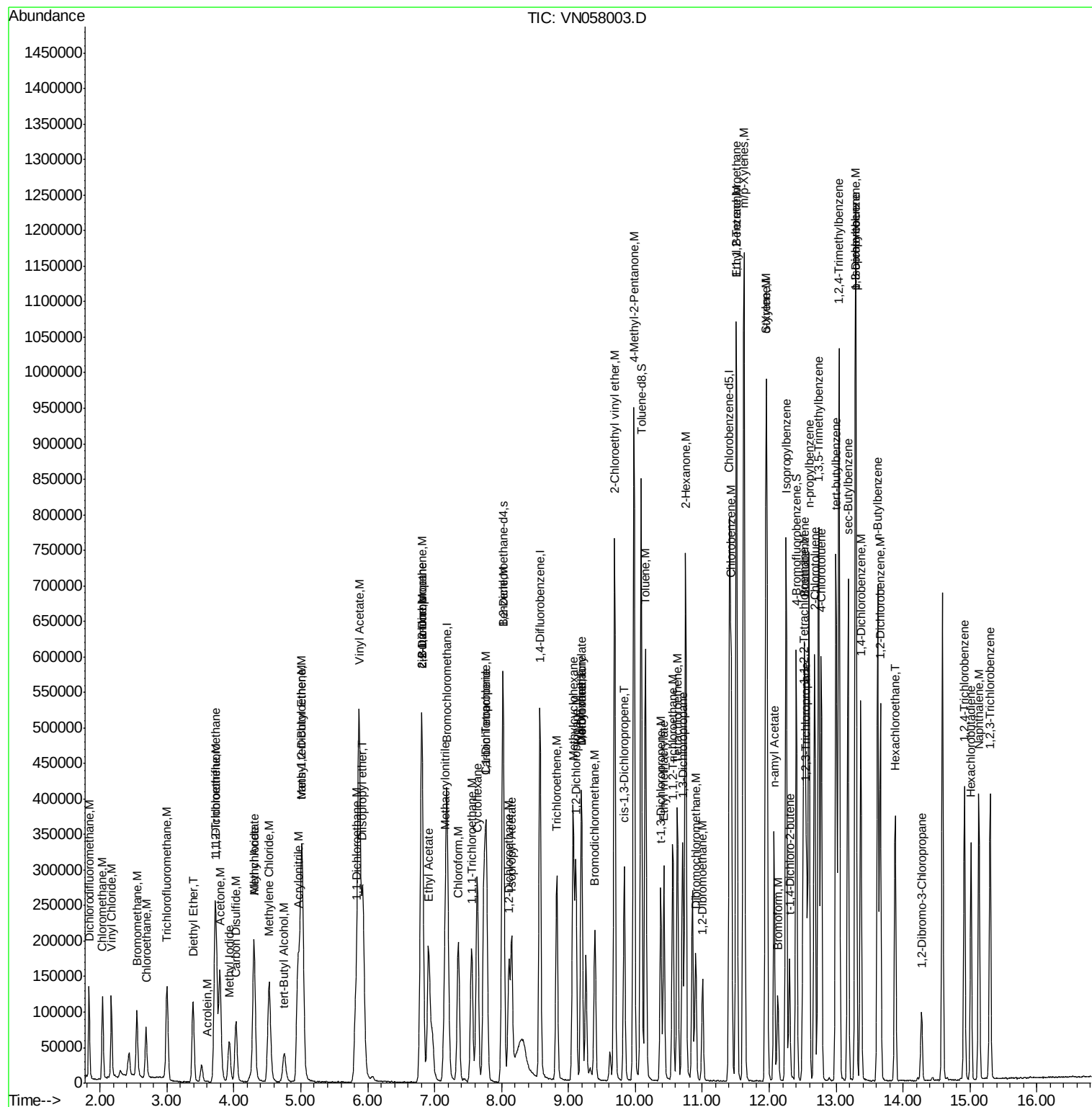
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
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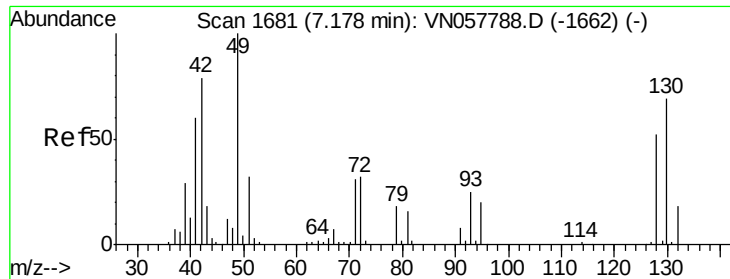
Instrument :
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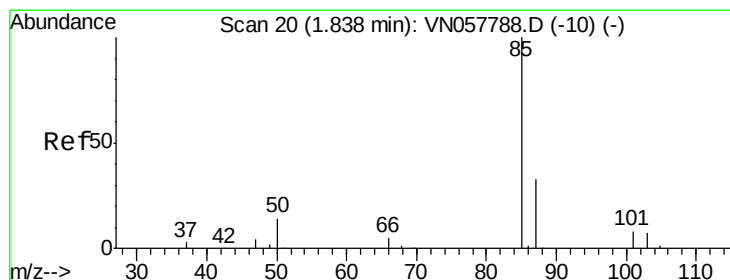
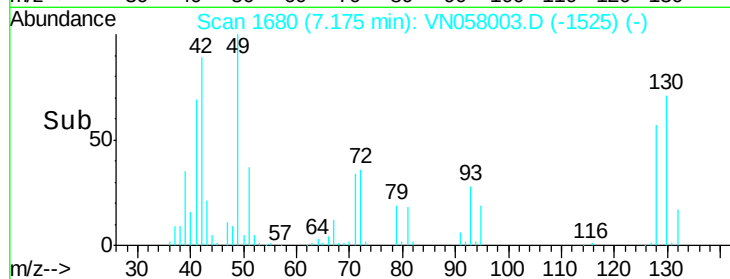
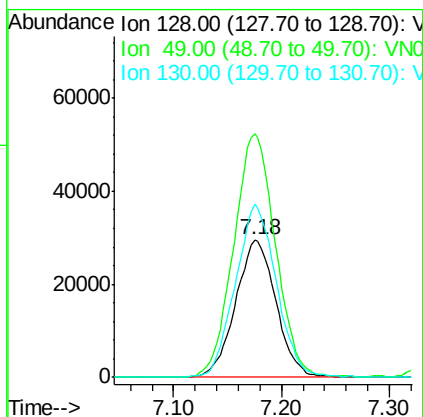
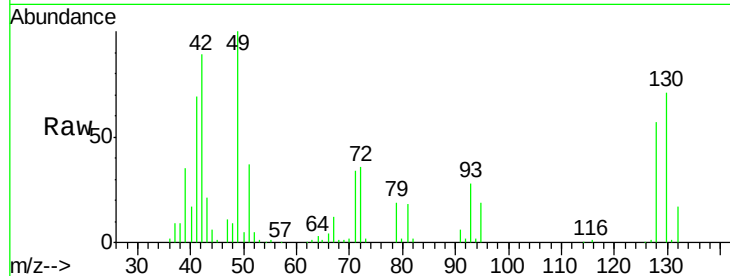
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
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 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	183.0	0.0	486.5
130	127.5	0.0	324.5

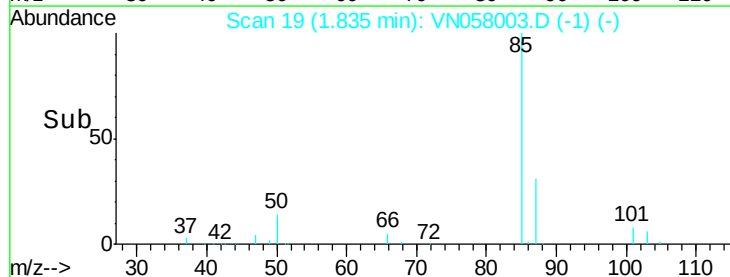
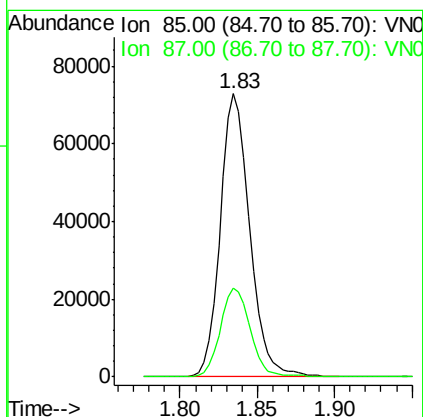
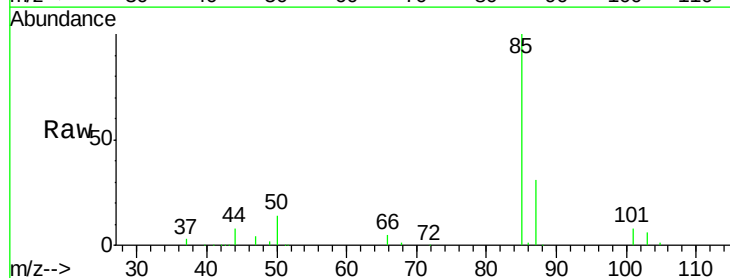
Manual Integrations
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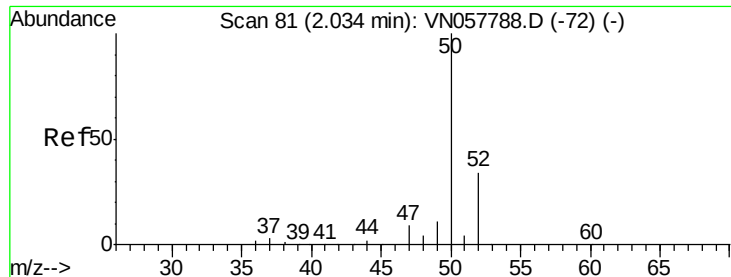
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#2
 Dichlorodifluoromethane
 Concen: 20.675 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.2	16.4	49.4





#3

Chloromethane

Concen: 17.638 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 102292

Ion Ratio Lower Upper

50 100

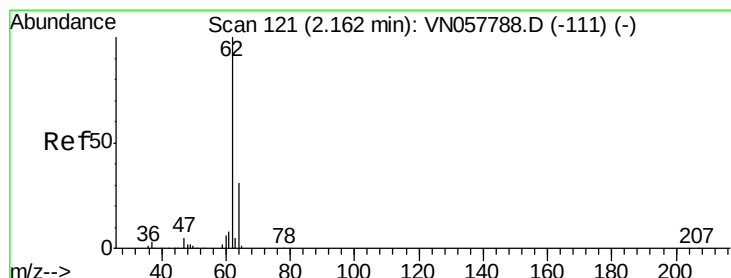
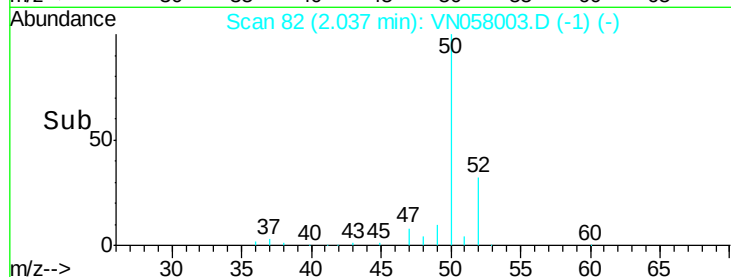
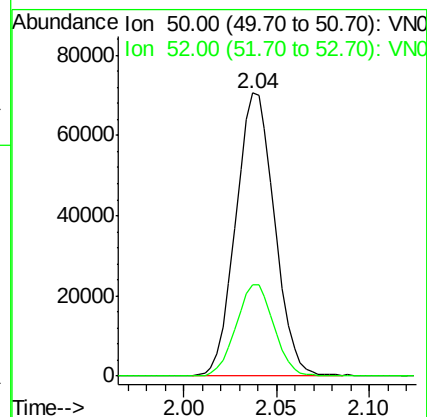
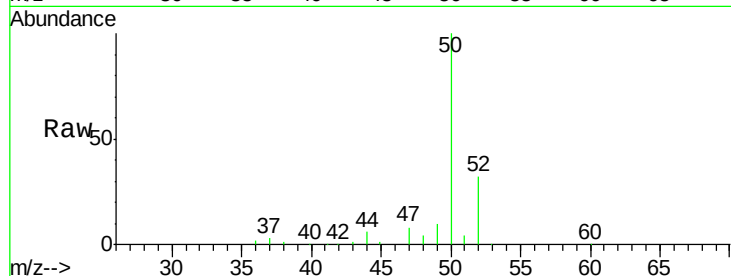
52 32.2 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.216 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058003.D

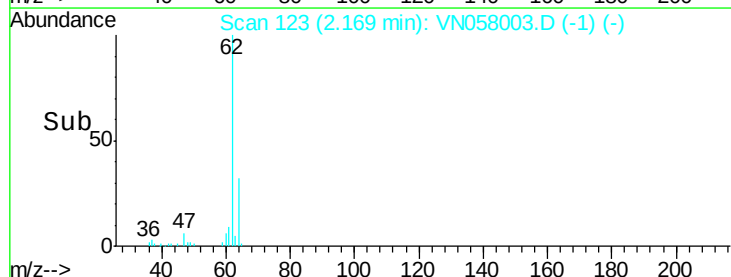
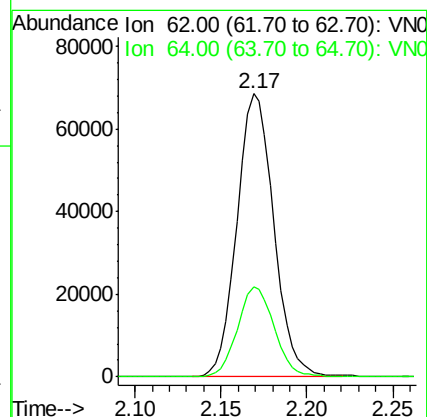
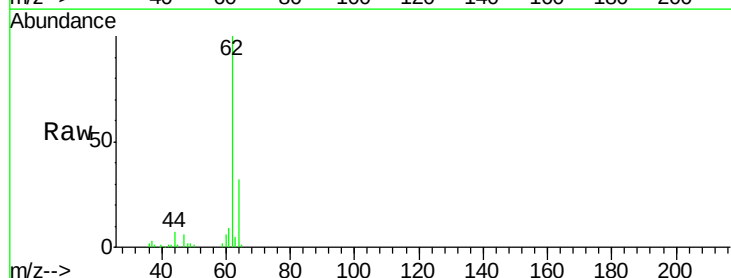
Acq: 13 Sep 2019 9:12

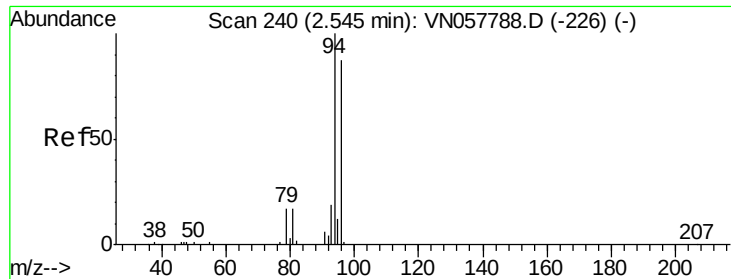
Tgt Ion: 62 Resp: 102155

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.6





#5

Bromomethane

Concen: 16.560 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 61323

Ion Ratio Lower Upper

94 100

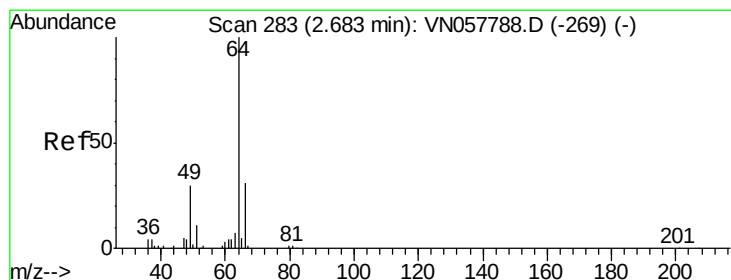
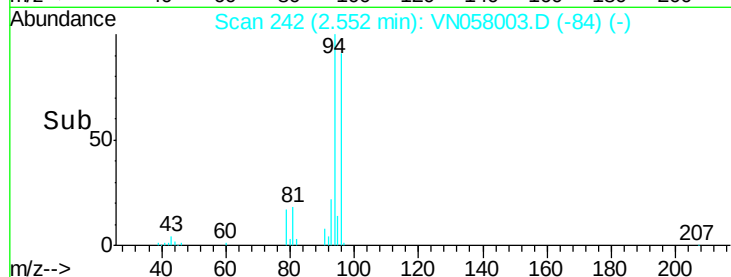
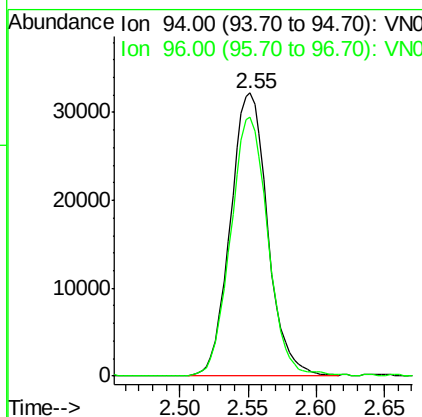
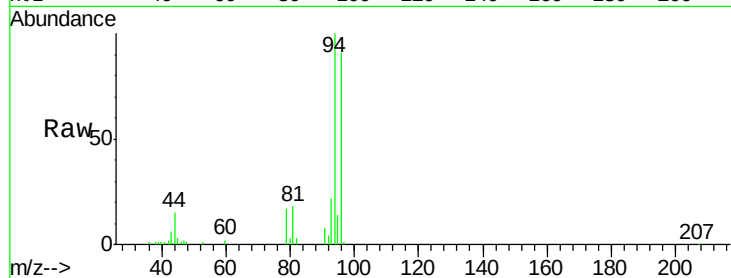
96 91.5 69.2 103.8

Manual Integrations

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#6

Chloroethane

Concen: 17.783 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058003.D

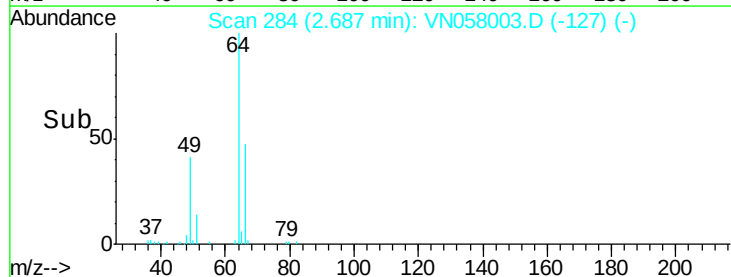
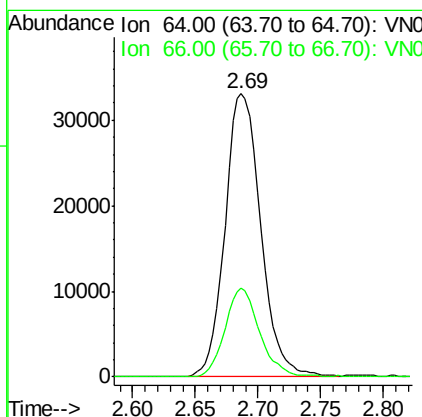
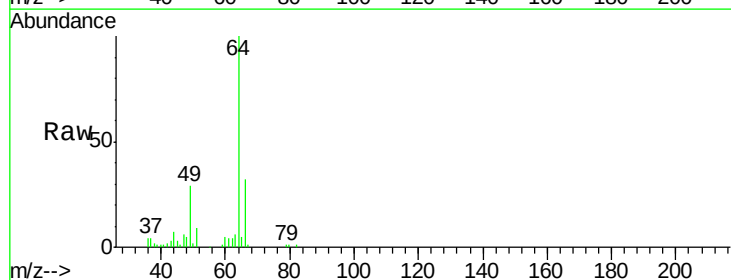
Acq: 13 Sep 2019 9:12

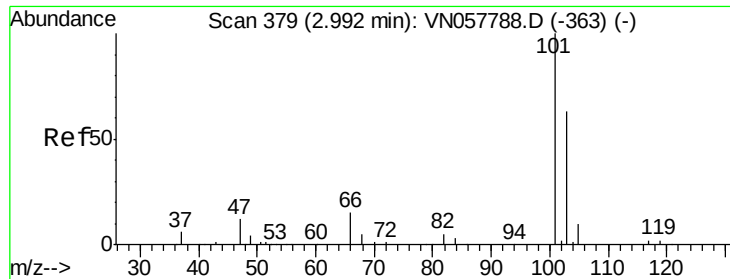
Tgt Ion: 64 Resp: 65576

Ion Ratio Lower Upper

64 100

66 31.6 24.4 36.6





#7

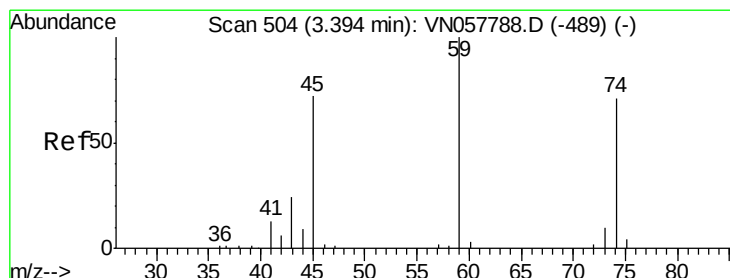
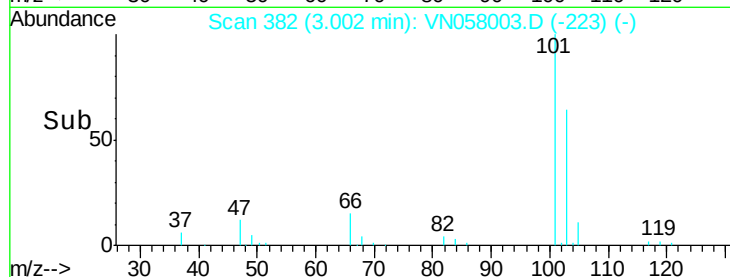
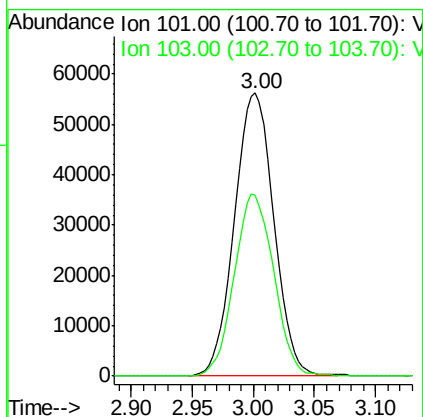
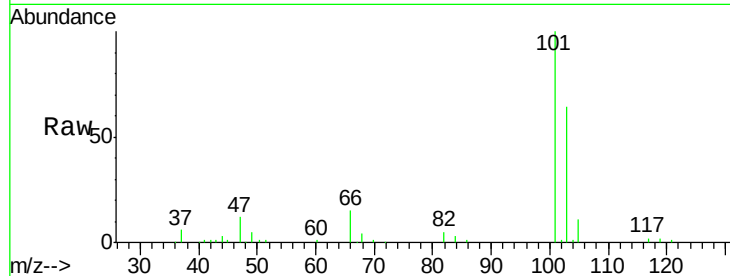
Trichlorofluoromethane
 Concen: 18.381 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.2	75.2

Manual Integrations
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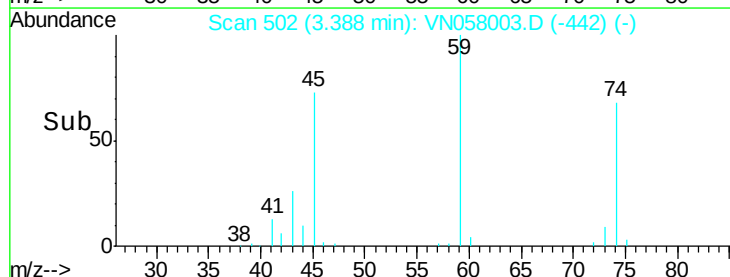
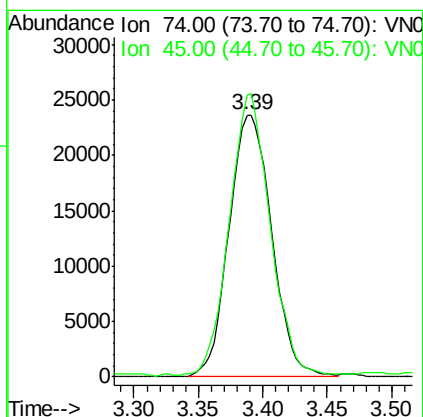
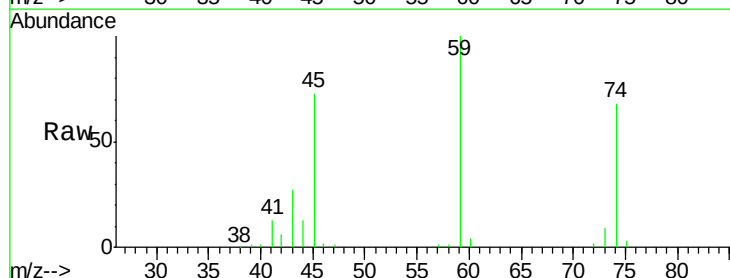
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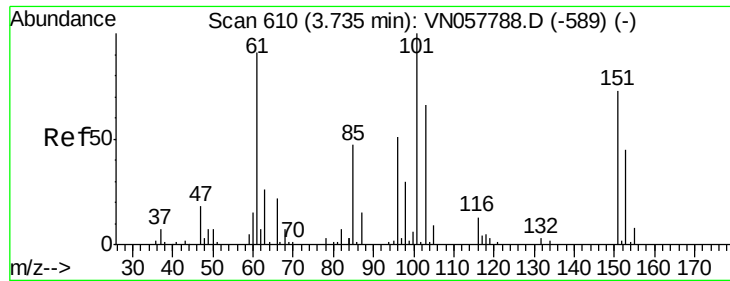


#8

Diethyl Ether
 Concen: 19.748 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	20.3	182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.319 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

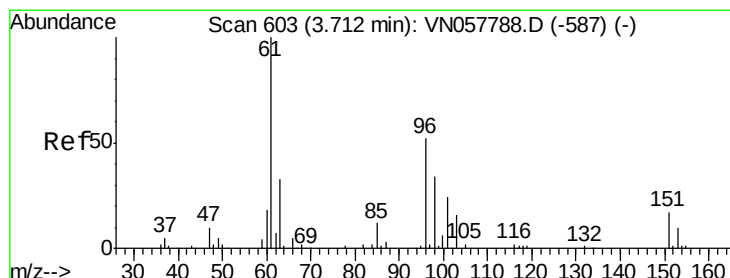
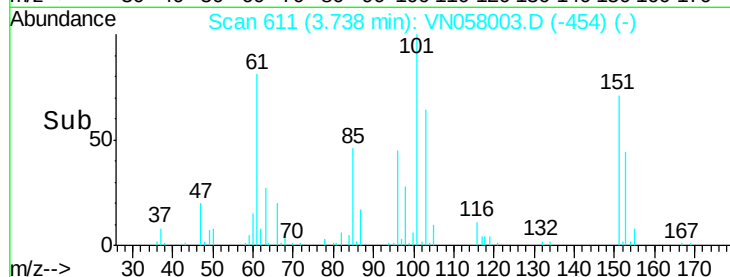
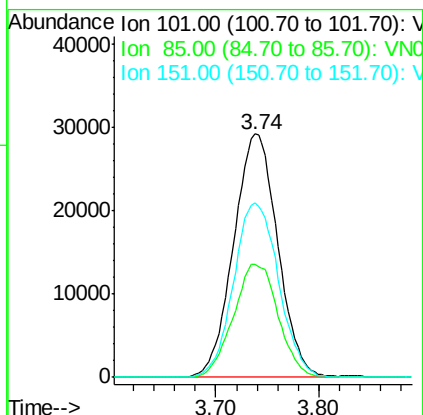
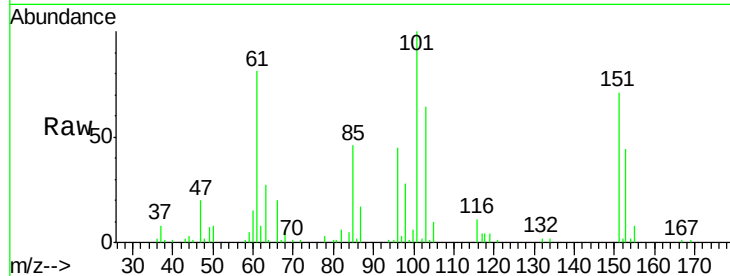
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	86978
Ion Ratio	Lower	Upper	
101	100		
85	47.2	0.0	94.0
151	72.9	0.0	144.4

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 19.335 ug/l

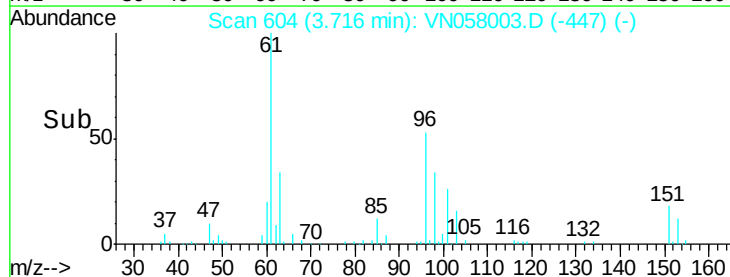
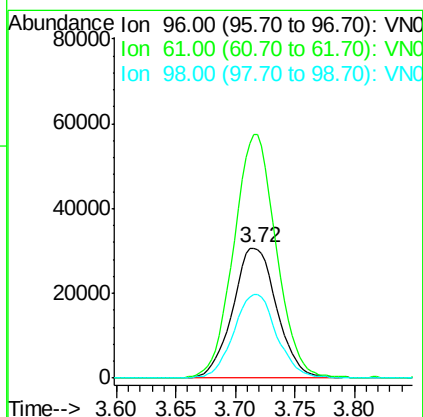
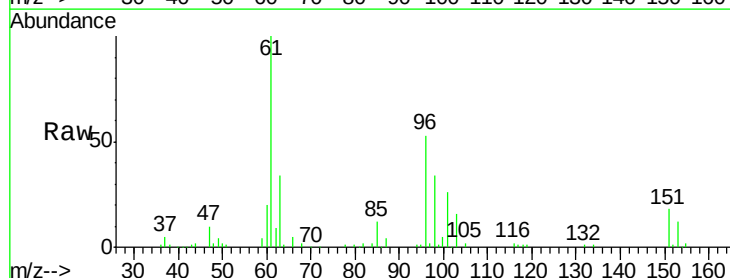
RT: 3.72 min Scan# 604

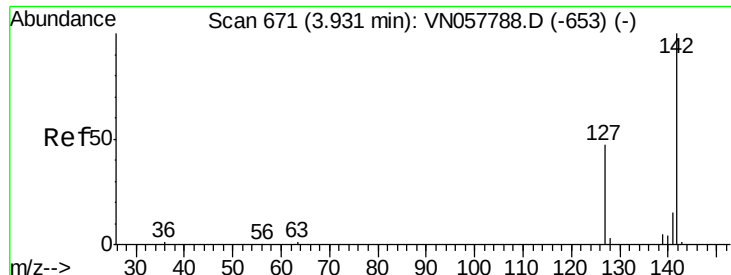
Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Tgt Ion:	96	Resp:	78704
Ion Ratio	Lower	Upper	
96	100		
61	186.6	153.4	230.0
98	64.6	51.5	77.3





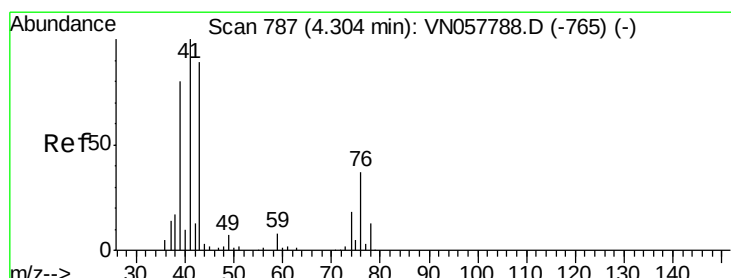
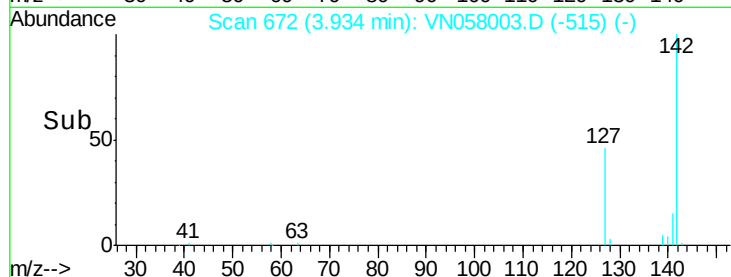
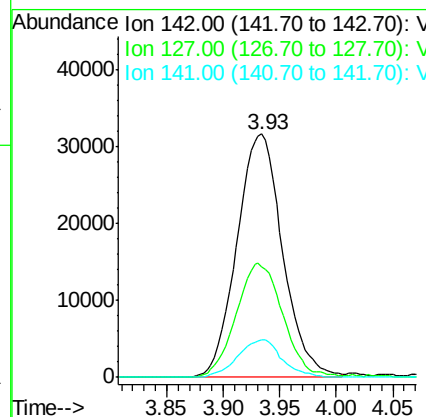
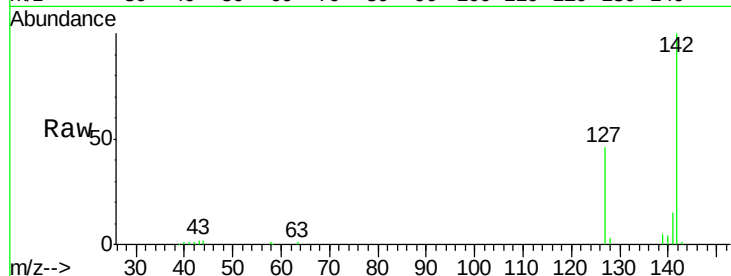
#11
Methvl Iodide
Concen: 16.354 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.6	23.3	69.8
141	14.7	7.5	22.6

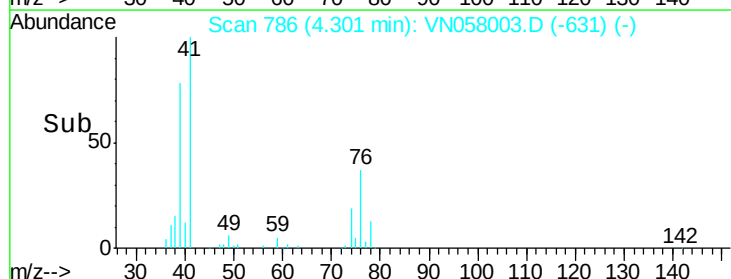
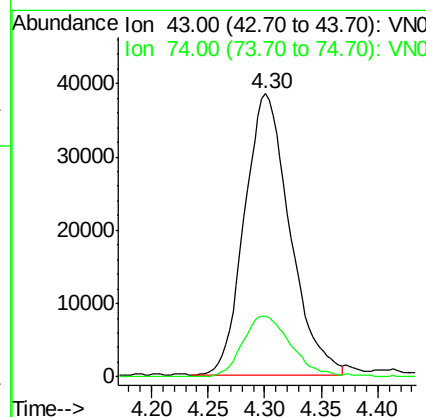
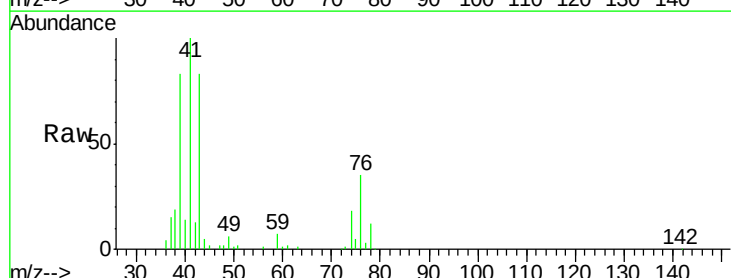
Manual Integrations
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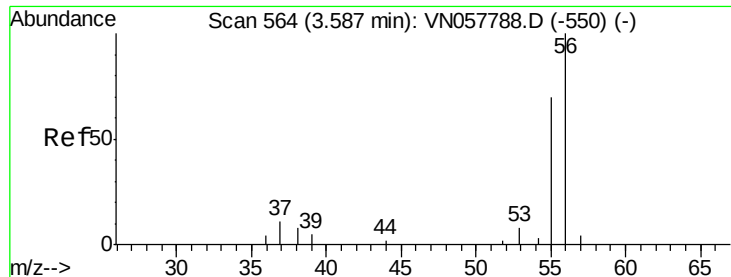
MMDadoda
9/16/2019 1:48:28 PM



#12
Methyl Acetate
Concen: 19.249 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.2	24.4





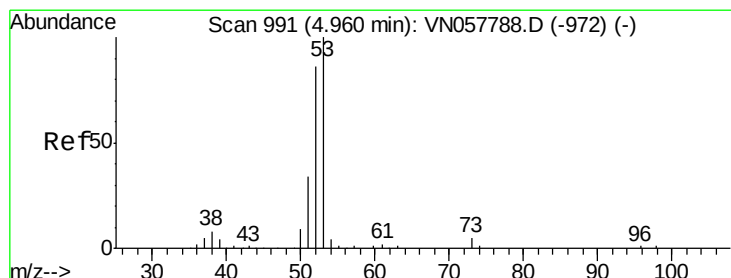
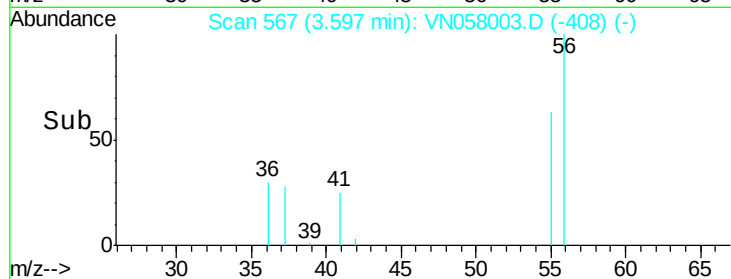
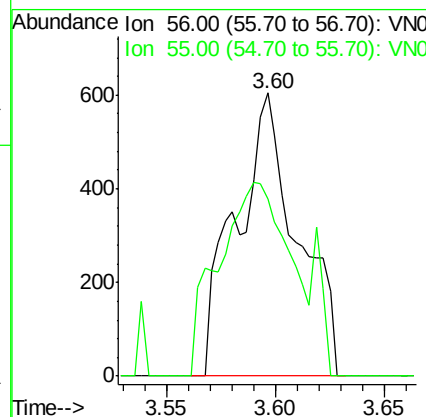
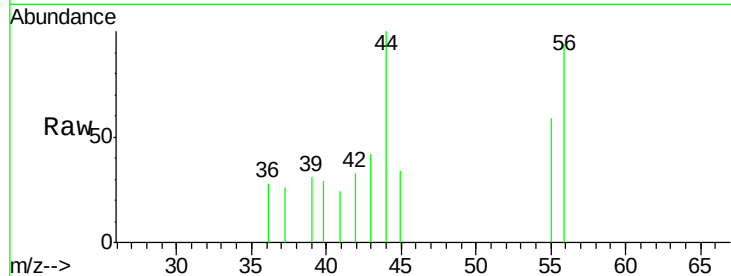
#13
Acrolein
Concen: 3.873 ug/l m
RT: 3.60 min Scan# 567
Delta R.T. 0.01 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	56	55	Ratio	100	65.7	Resp:	1174	Lower	59.0	Upper	88.4
Ion	56	55	Ratio	100	65.7	Resp:	1174	Lower	59.0	Upper	88.4

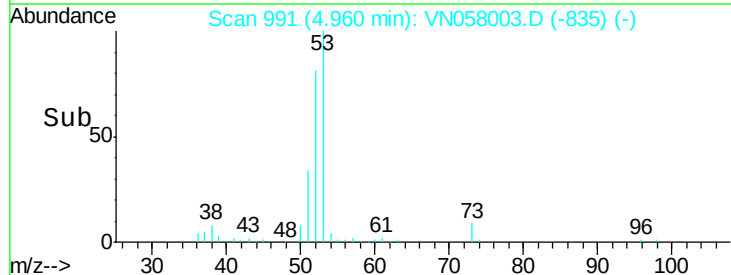
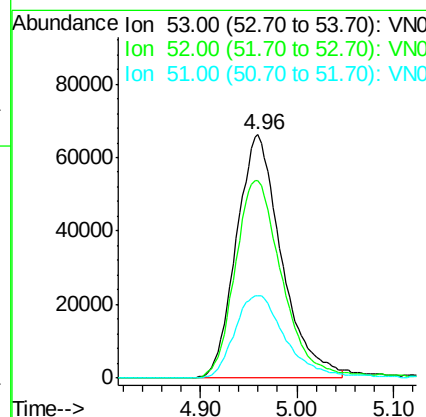
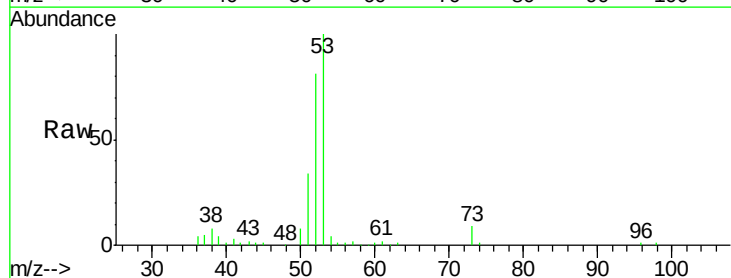
Manual Integrations
APPROVED

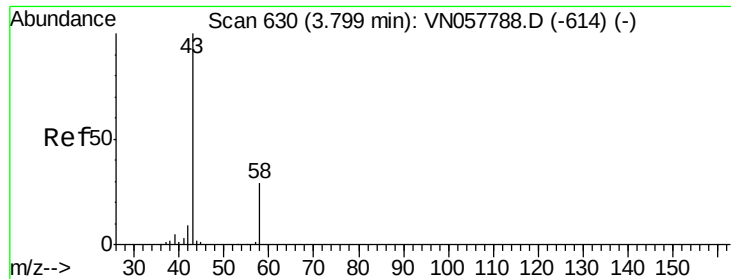
MMDadoda
9/16/2019 1:48:28 PM



#14
Acrylonitrile
Concen: 94.214 ug/l
RT: 4.96 min Scan# 991
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion	53	52	51	Ratio	100	83.9	38.0	Resp:	214548	Lower	41.0	Upper	123.0	25.8#
Ion	53	52	51	Ratio	100	83.9	38.0	Resp:	214548	Lower	41.0	Upper	123.0	25.8#





#15

Acetone

Concen: 109.342 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 70690

Ion Ratio Lower Upper

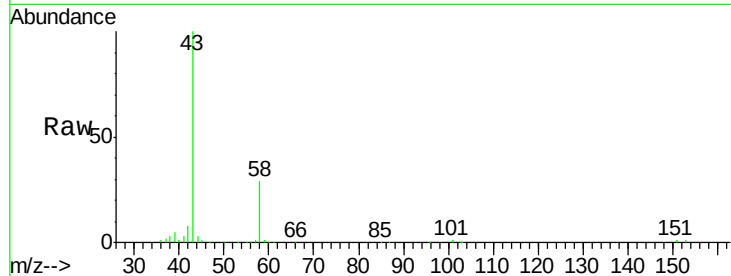
58 100

43 340.0 277.7 416.5

Manual Integrations
APPROVED

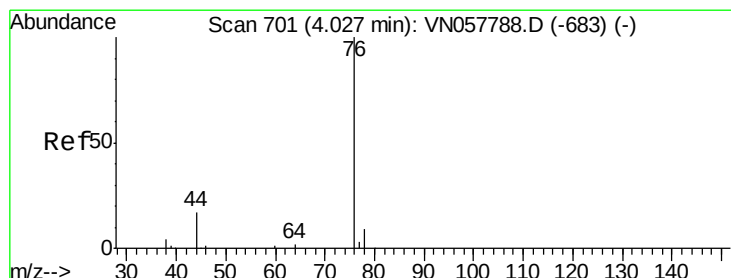
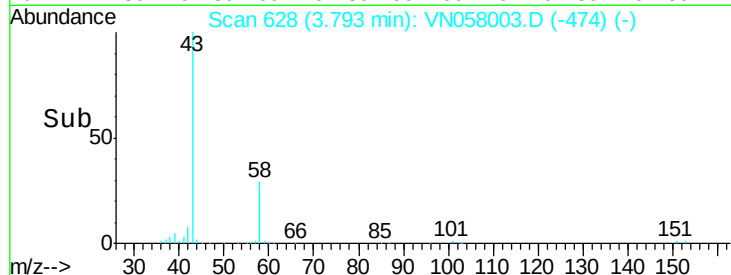
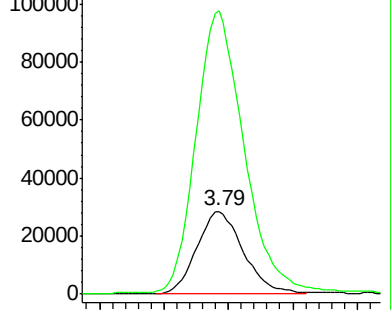
MMDadoda

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

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



#16

Carbon Disulfide

Concen: 17.167 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058003.D

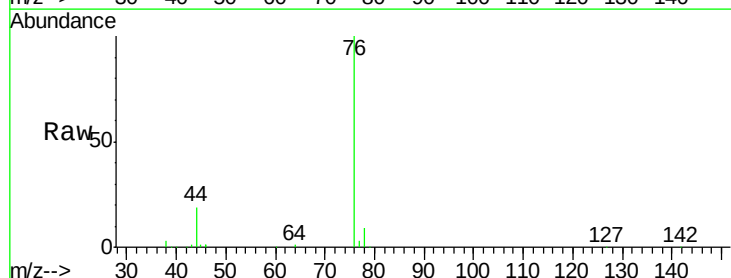
Acq: 13 Sep 2019 9:12

Tgt Ion: 76 Resp: 162716

Ion Ratio Lower Upper

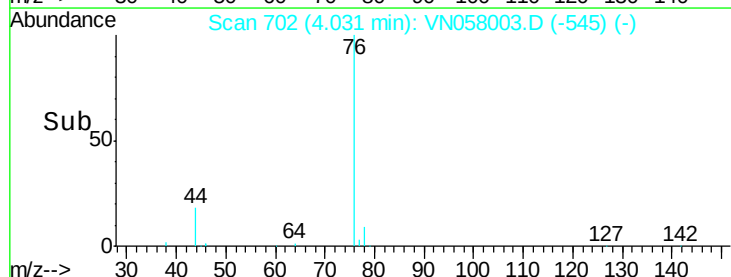
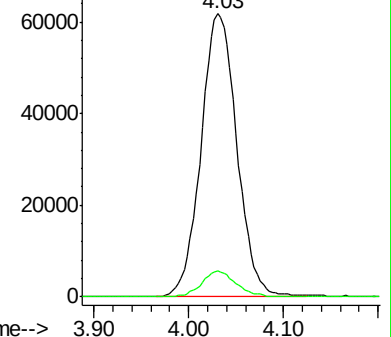
76 100

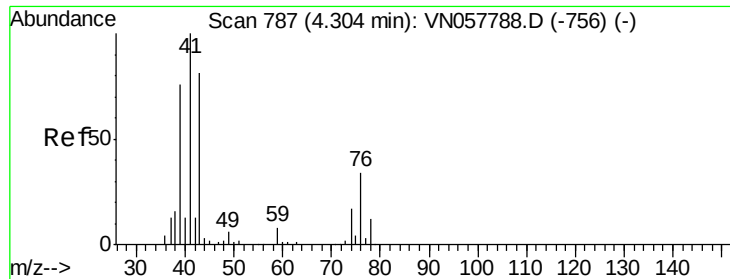
78 9.1 7.4 11.0



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

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





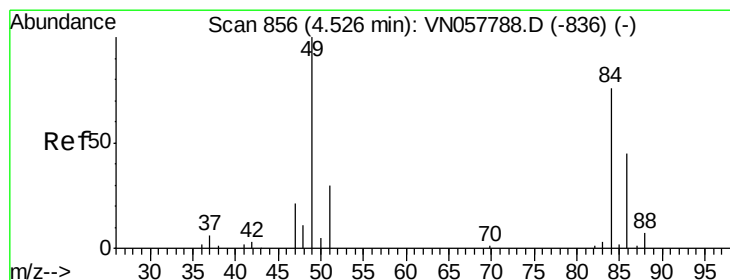
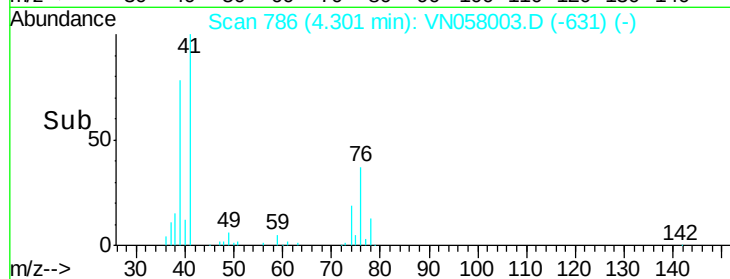
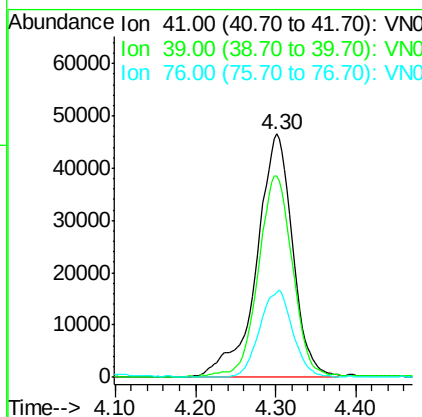
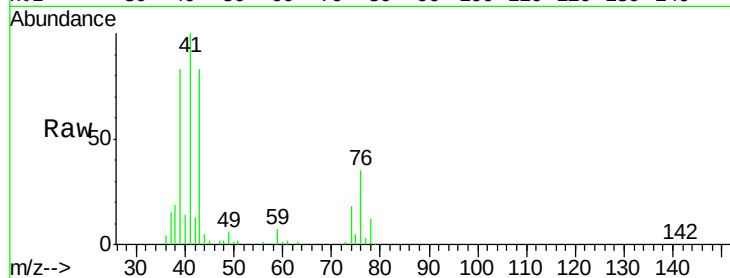
#17
Allvl chloride
Concen: 19.191 ug/l m
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	143145
Ion Ratio	Lower	Upper	
41	100		
39	82.6	38.5	115.3
76	35.0	17.2	51.6

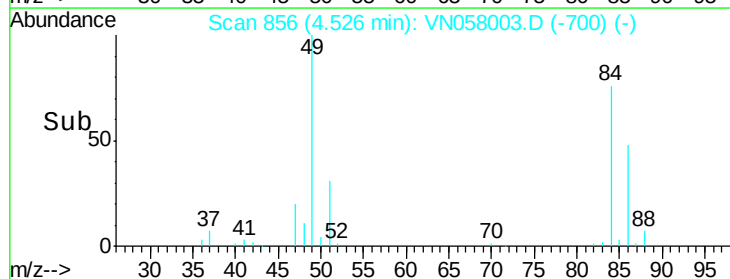
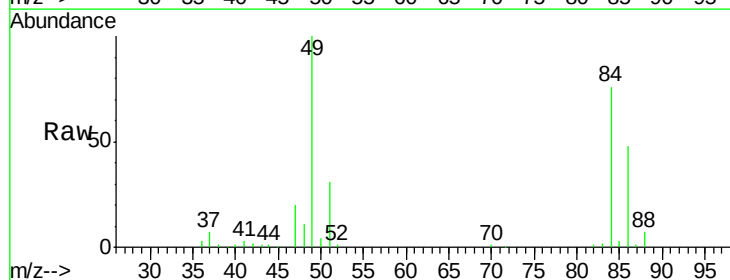
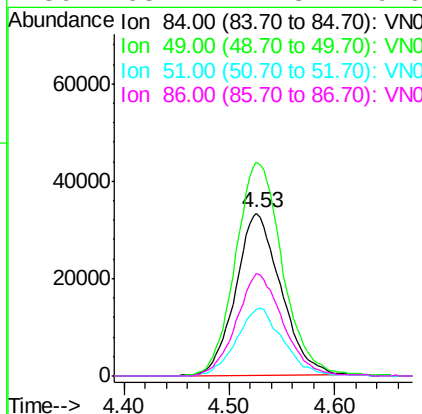
Manual Integrations
APPROVED

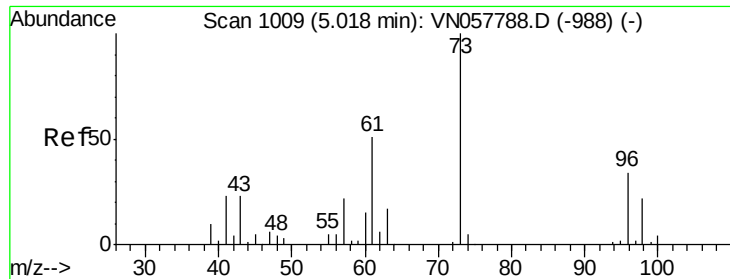
MMDadoda
9/16/2019 1:48:28 PM



#18
Methylene Chloride
Concen: 19.406 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion:	84	Resp:	99542
Ion Ratio	Lower	Upper	
84	100		
49	130.9	105.4	158.2
51	40.7	31.3	46.9
86	63.1	47.3	70.9





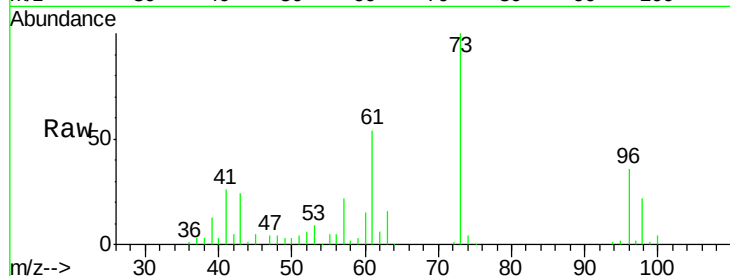
#19
trans-1,2-Dichloroethene
Concen: 19.994 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	121.0	181.6
98	60.7	52.7	79.1

Manual Integrations
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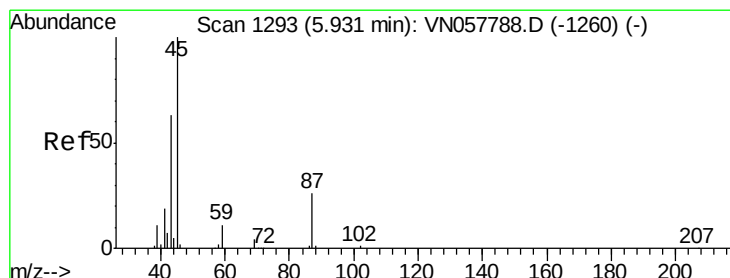
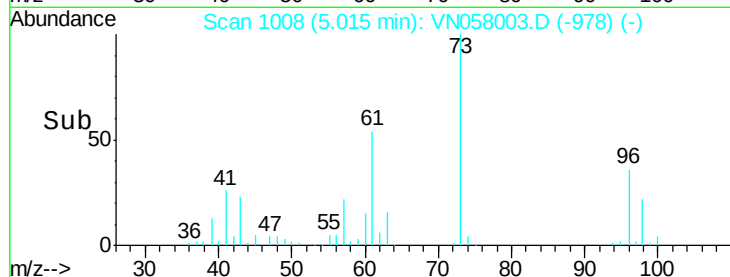
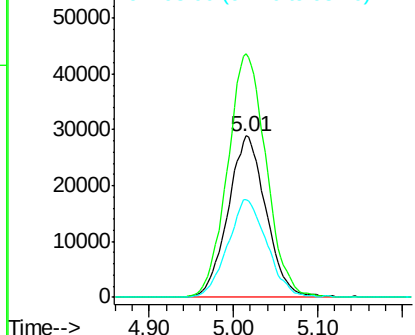


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 19.647 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.7	55.2	82.8
87	25.4	21.3	31.9
59	10.8	9.1	13.7

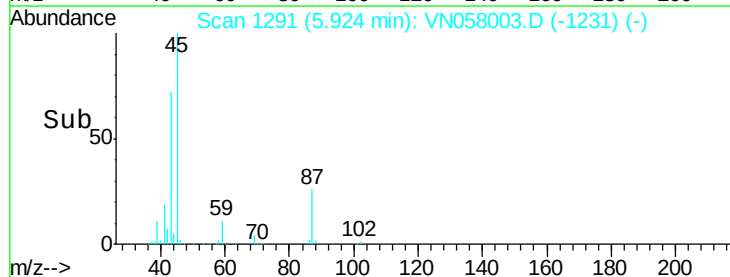
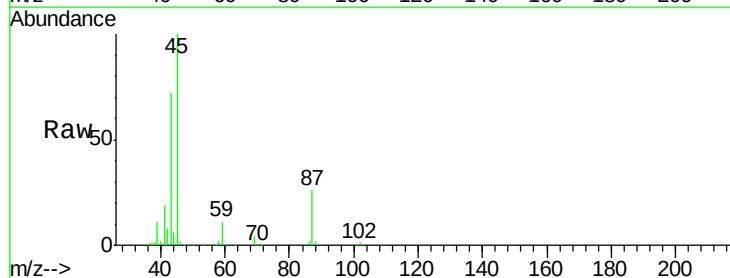
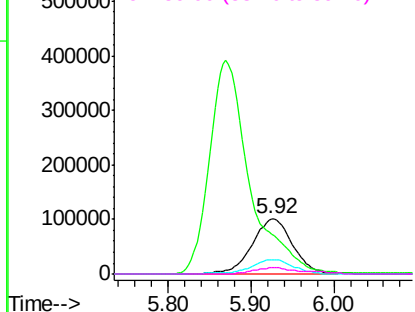
Abundance

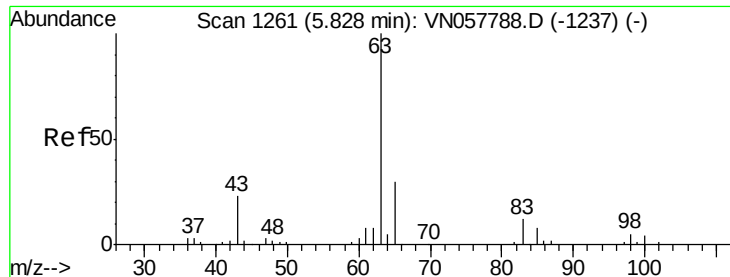
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





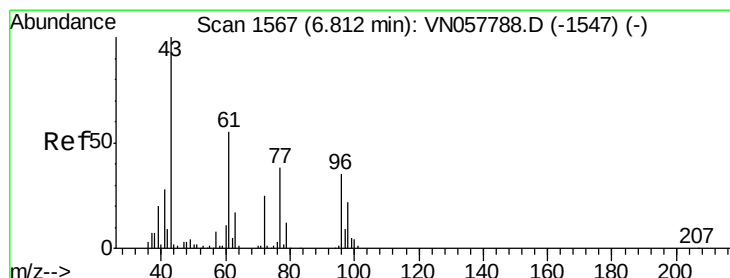
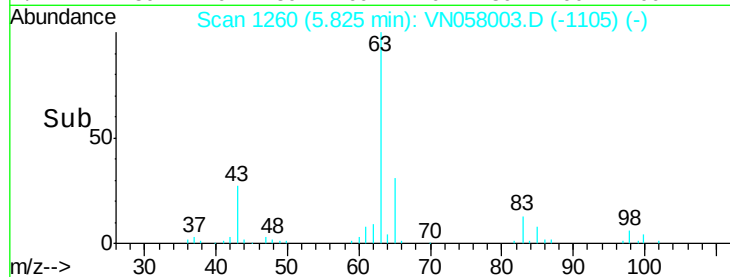
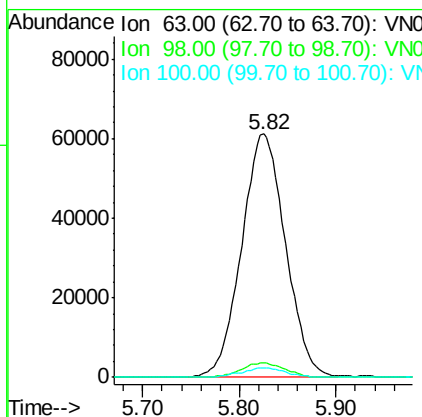
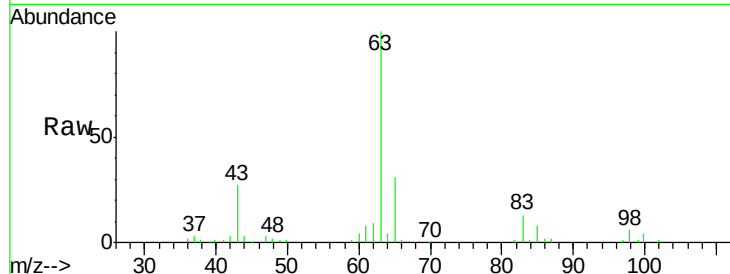
#21
 1,1-Dichloroethane
 Concen: 20.066 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	192932		
98	6.0	2.8	8.3	
100	4.1	1.8	5.5	

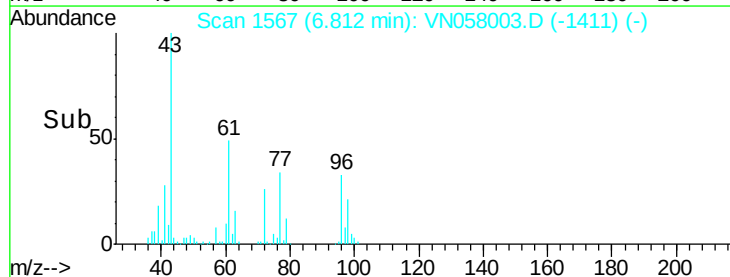
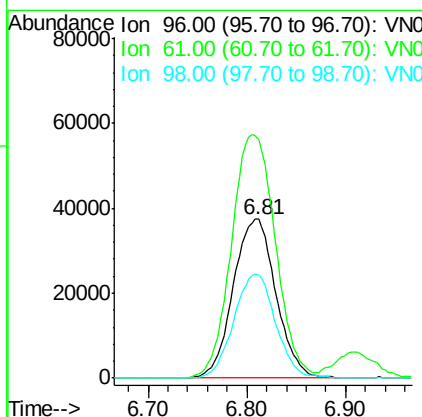
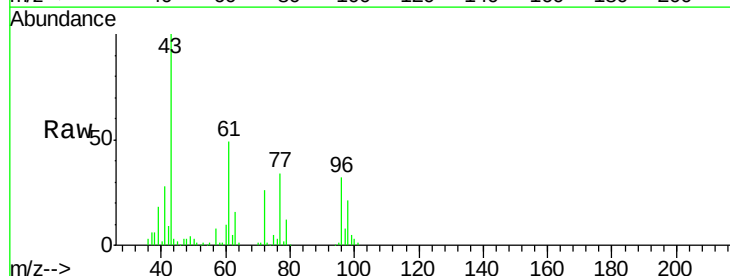
Manual Integrations
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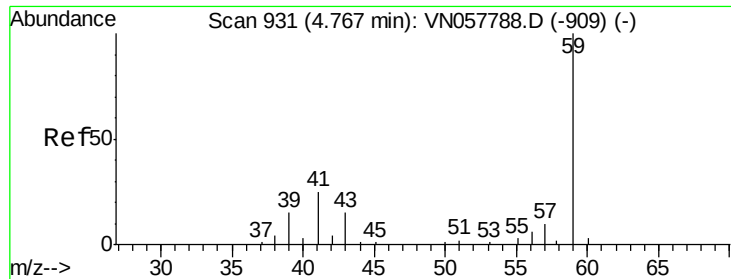
MMDadoda
 9/16/2019 1:48:28 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.213 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	112358		
61	157.1	127.4	191.0	
98	64.0	51.5	77.3	





#23

tert-Butyl Alcohol

Concen: 88.064 ug/l m

RT: 4.75 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 59 Resp: 65469

Ion Ratio Lower Upper

59 100

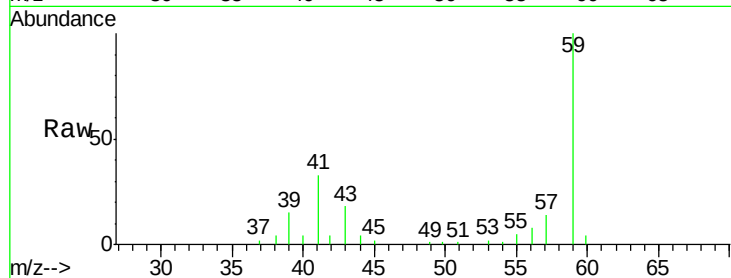
52 0.0 0.0 0.0

Manual Integrations

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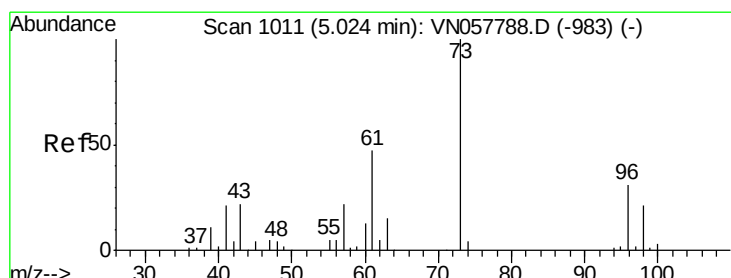
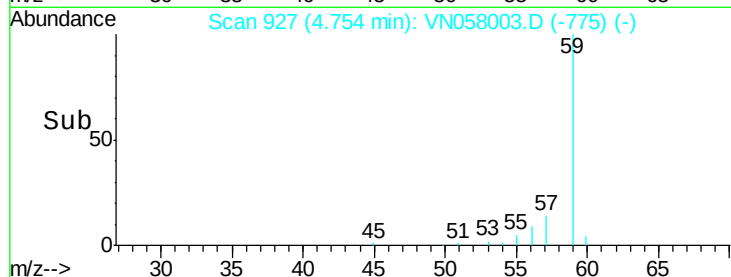
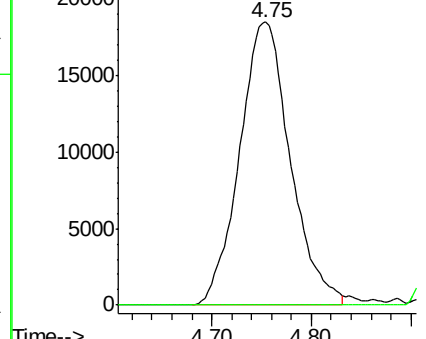
MMDadoda

9/16/2019 1:48:28 PM



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 19.159 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN058003.D

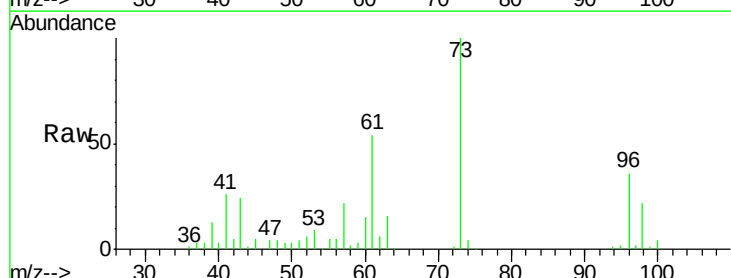
Acq: 13 Sep 2019 9:12

Tgt Ion: 73 Resp: 298915

Ion Ratio Lower Upper

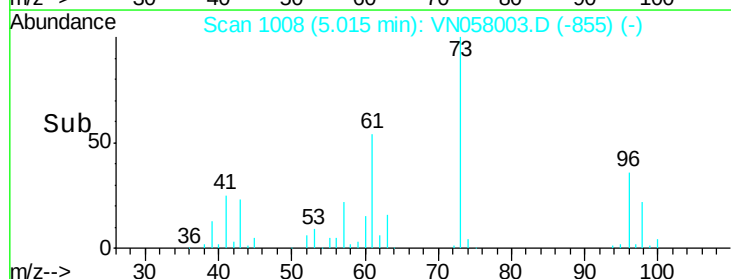
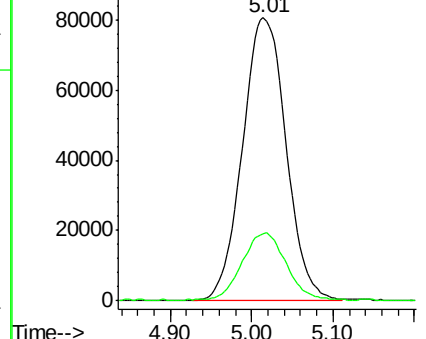
73 100

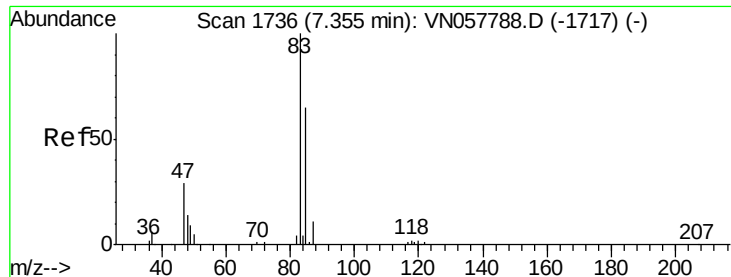
43 23.9 0.0 0.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 20.101 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 196768

Ion Ratio Lower Upper

83 100

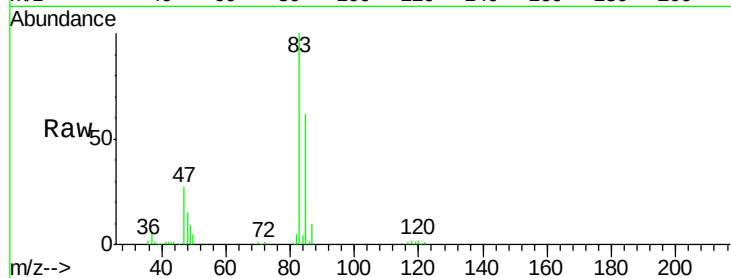
85 62.3 51.8 77.6

Manual Integrations

APPROVED

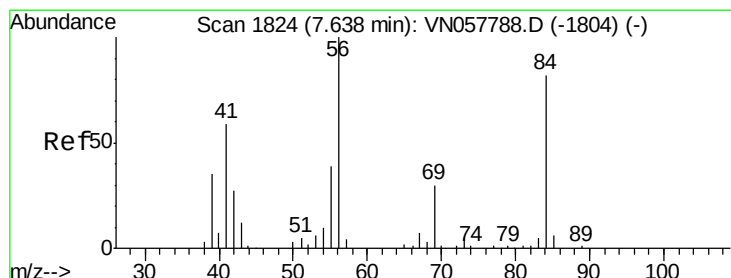
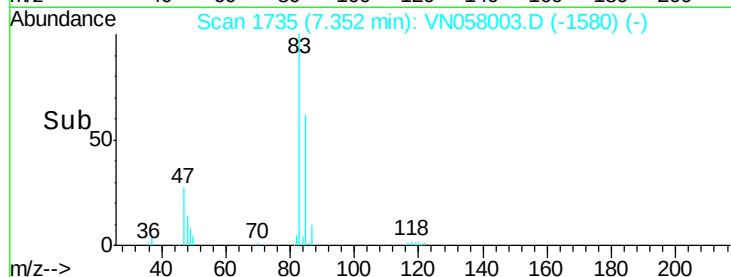
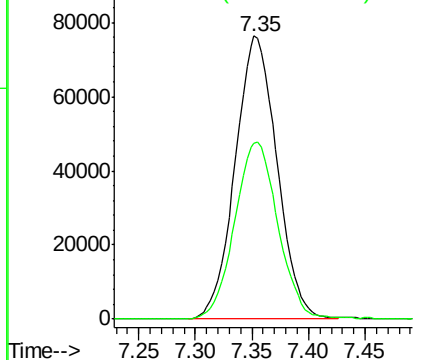
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 19.537 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

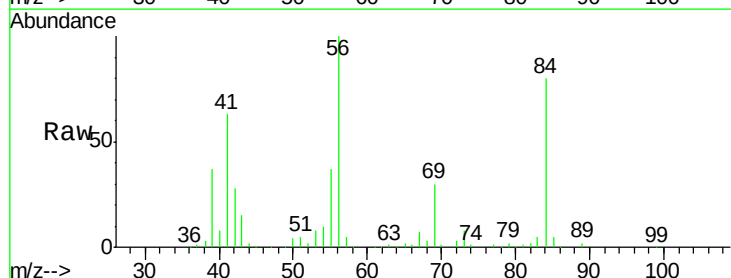
Tgt Ion: 56 Resp: 157831

Ion Ratio Lower Upper

56 100

89 1.7 0.3 0.5#

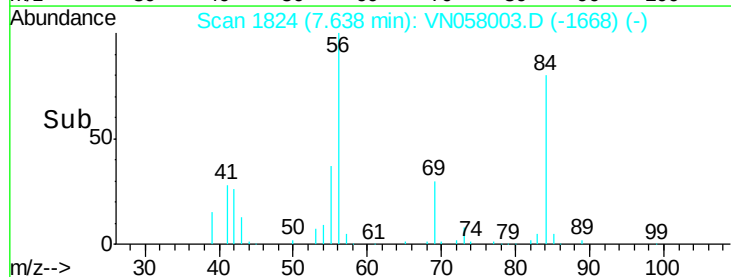
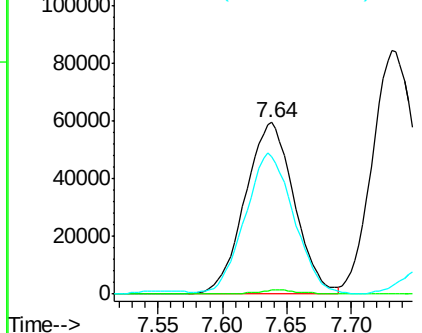
84 81.8 66.6 100.0

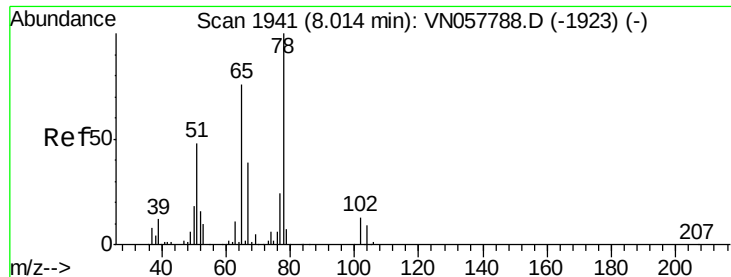


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





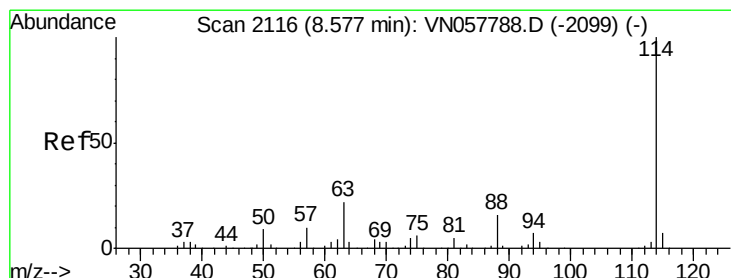
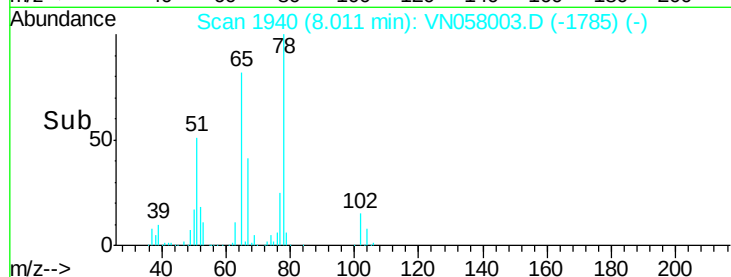
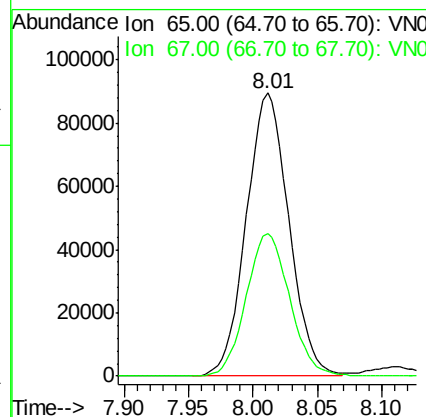
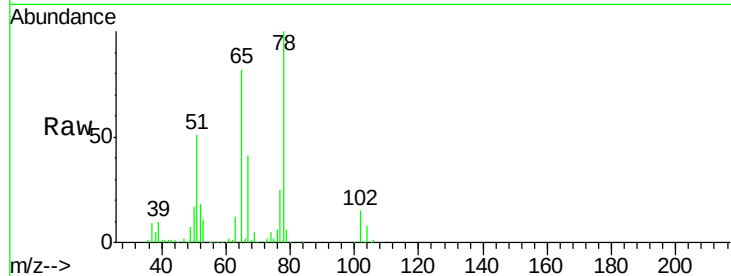
#27
 1,2-Dichloroethane-d4
 Concen: 30.276 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	40.9	61.3

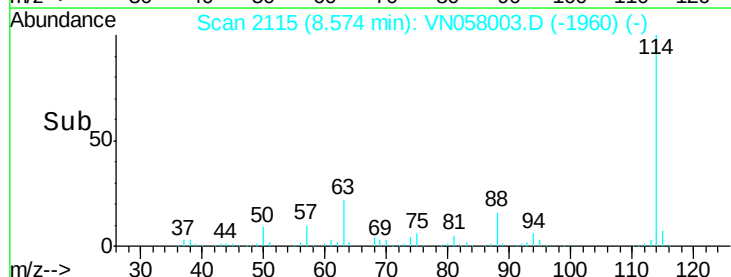
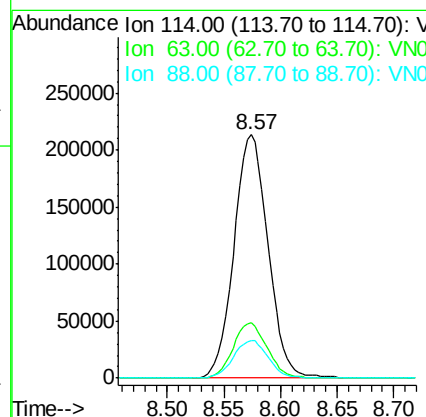
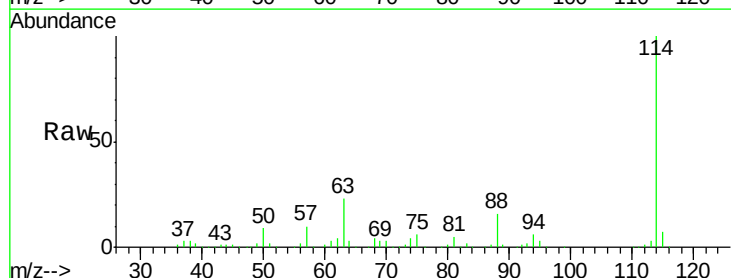
Manual Integrations
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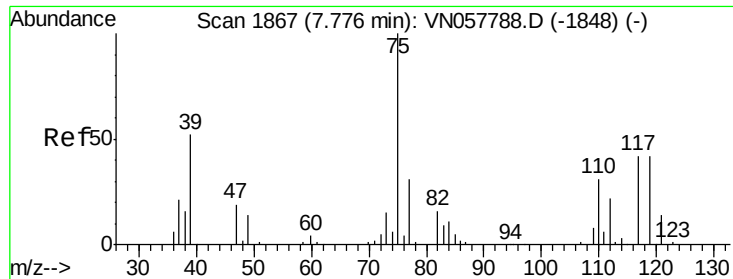
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	18.0	27.0
88	15.7	12.6	19.0





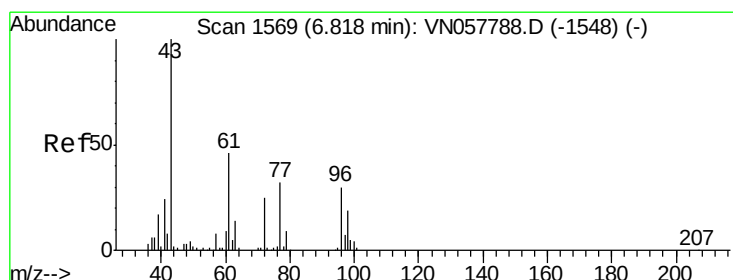
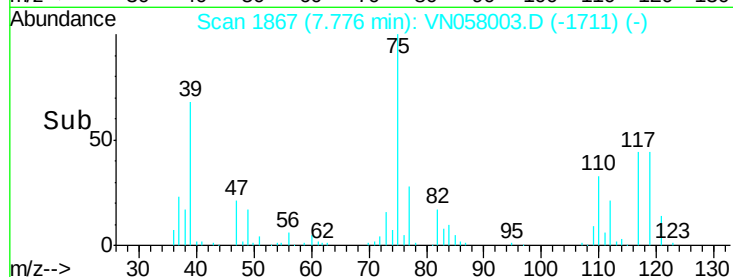
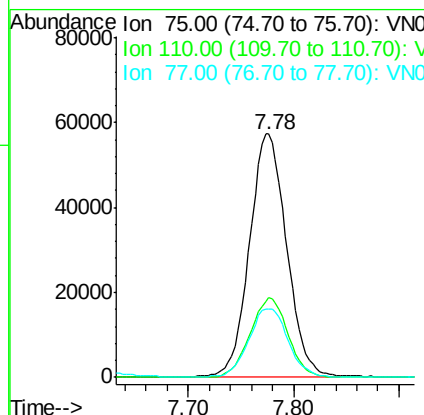
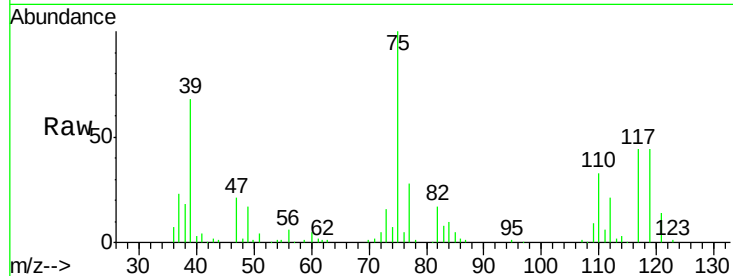
#29
 1,1-Dichloropropene
 Concen: 20.028 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.0	0.0	63.8
77	30.0	0.0	60.0

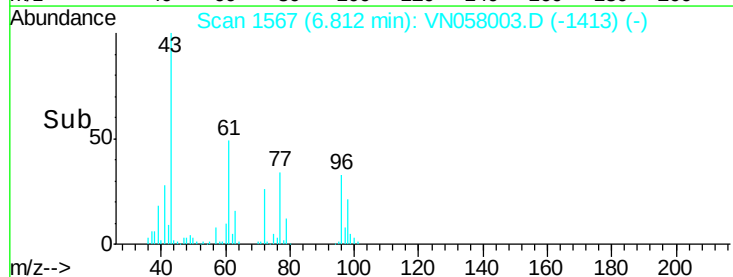
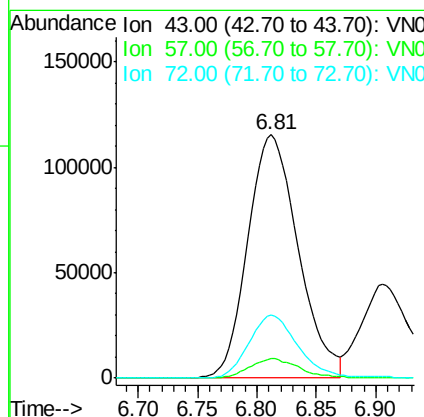
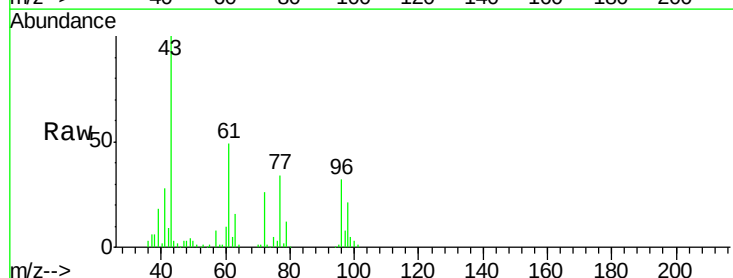
Manual Integrations
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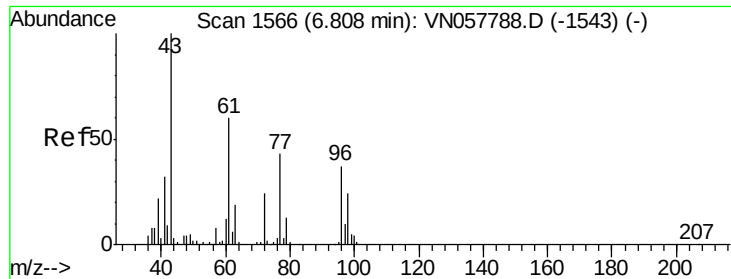
MMDadoda
 9/16/2019 1:48:28 PM



#30
 2-Butanone
 Concen: 106.025 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.9	6.4	9.6
72	25.1	20.3	30.5





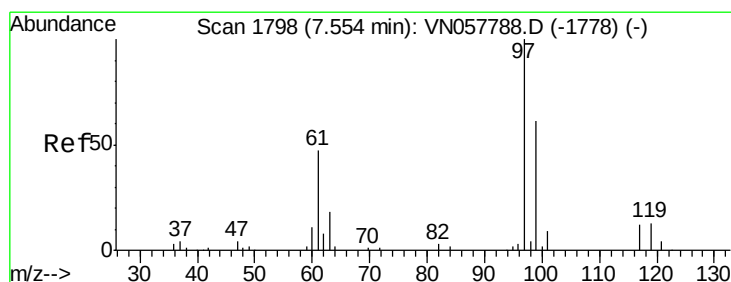
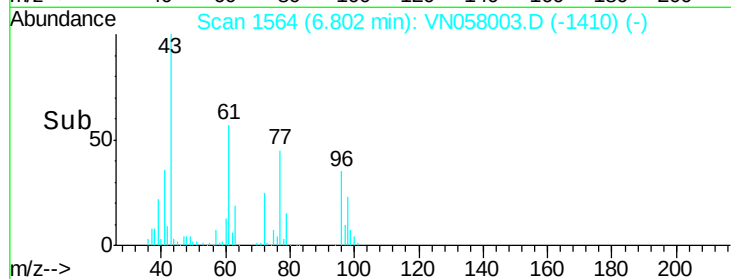
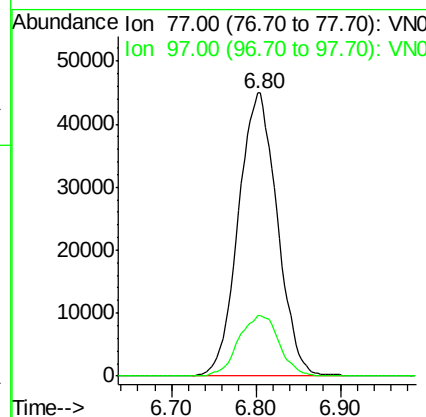
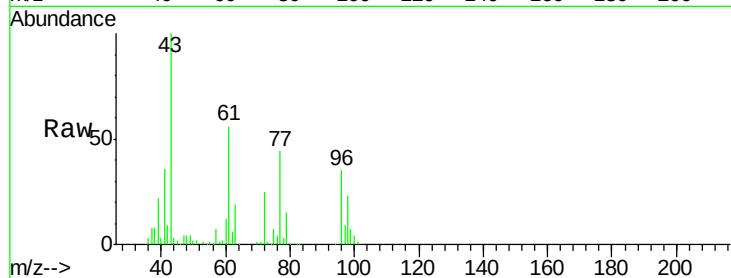
#31
 2,2-Dichloropropane
 Concen: 19.381 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.2	17.7	26.5

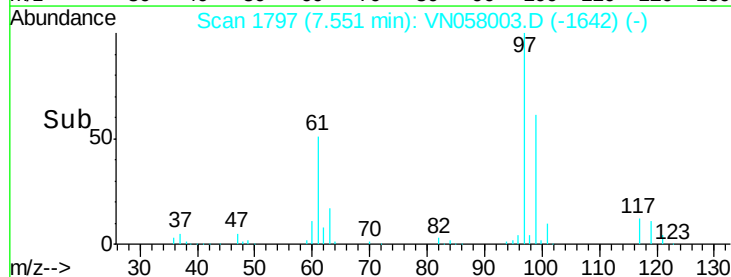
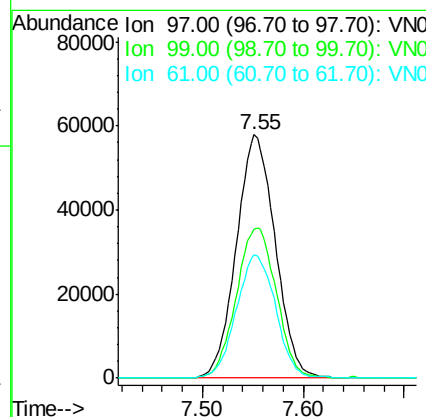
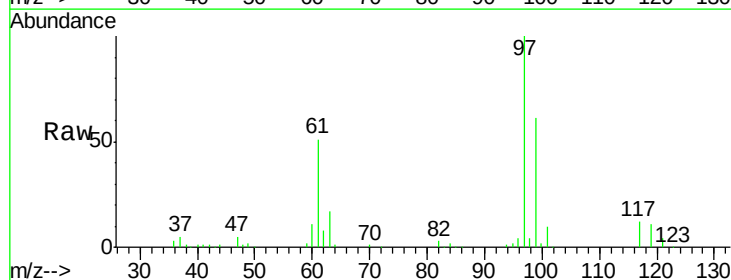
Manual Integrations
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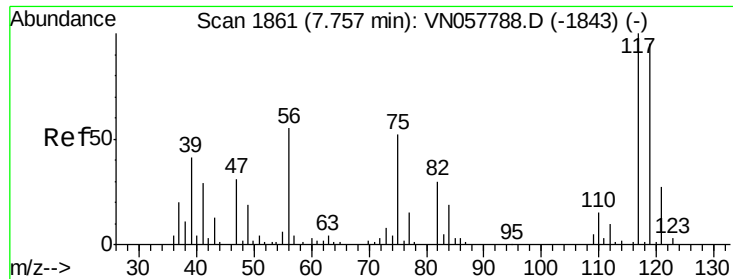
MMDadoda
 9/16/2019 1:48:28 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.578 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	49.8	74.8
61	50.8	38.7	58.1





#33

Carbon Tetrachloride

Concen: 19.136 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

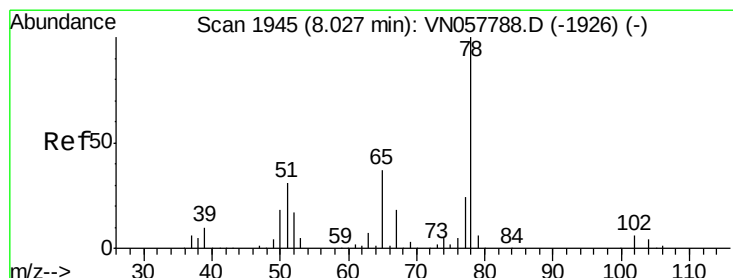
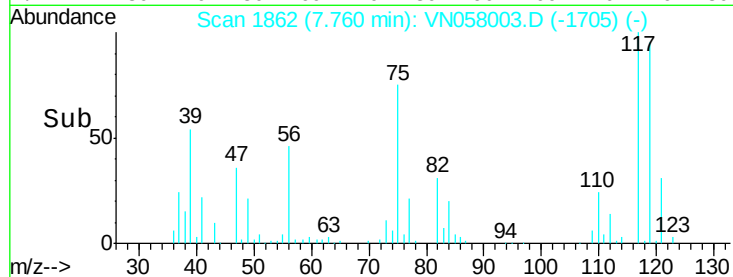
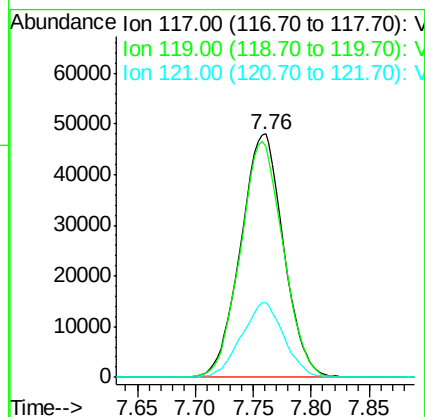
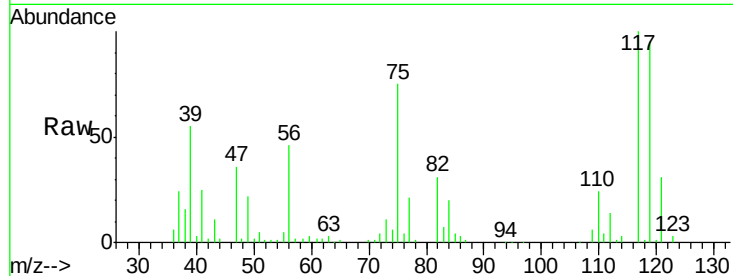
ClientSampleId :

VSTDCCC020

Tot Ion:	117	Resp:	123573
Ion Ratio	Lower	Upper	
117	100		
119	95.0	75.7	113.5
121	30.8	21.7	32.5

Manual Integrations
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#34

Benzene

Concen: 20.082 ug/l

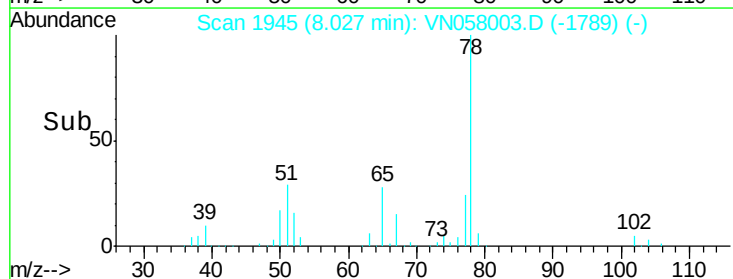
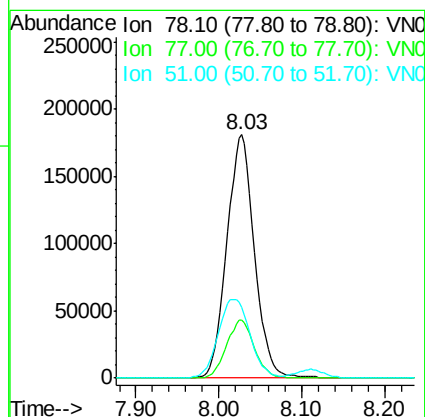
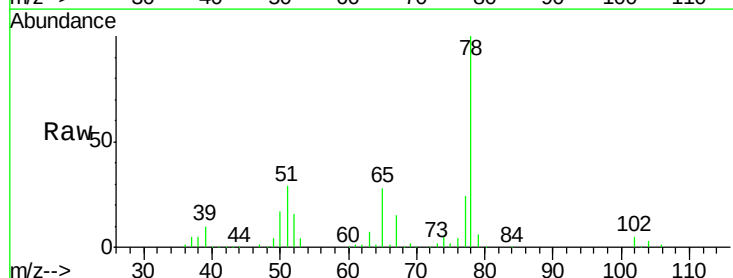
RT: 8.03 min Scan# 1945

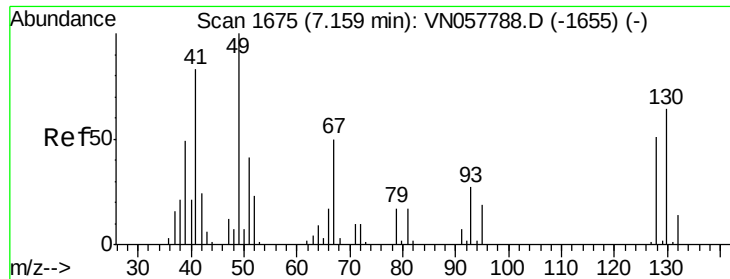
Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Tgt Ion:	78	Resp:	418934
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.2	28.8
51	28.6	24.9	37.3





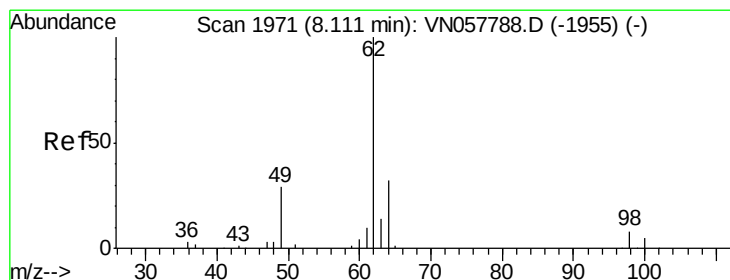
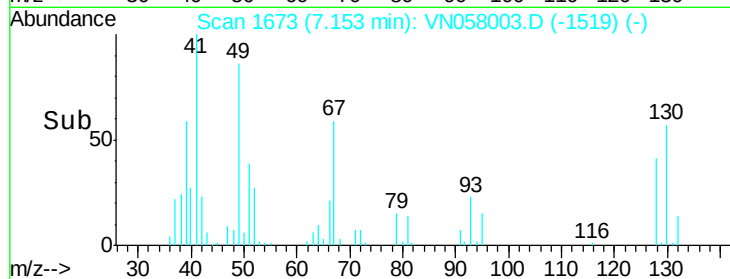
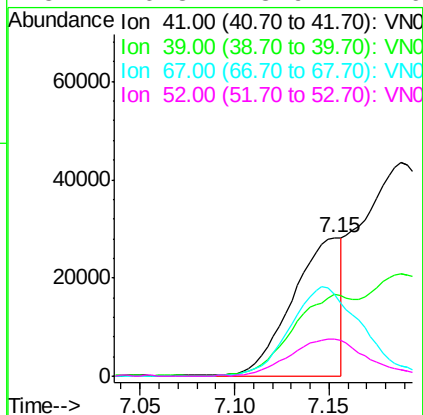
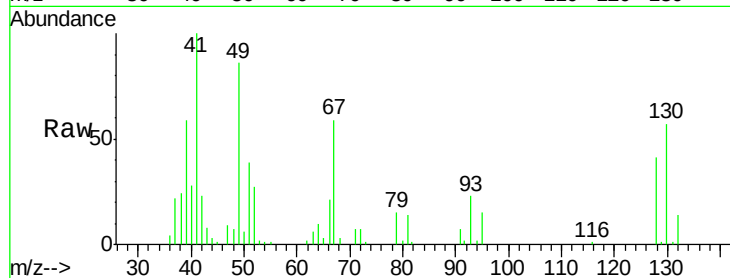
#35
Methacrylonitrile
Concen: 17.247 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	41	Resp	50781
Ion Ratio	Lower	Upper	
41	100		
39	58.6	29.8	89.5
67	58.8	30.0	90.1
52	26.8	13.9	41.6

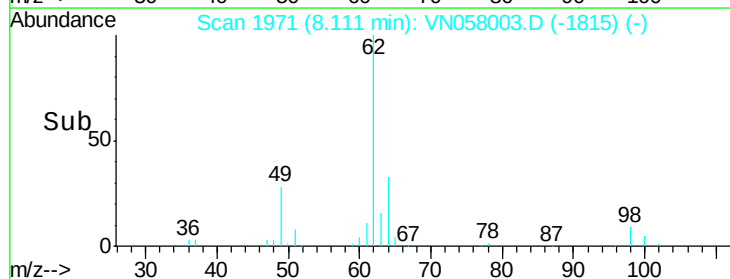
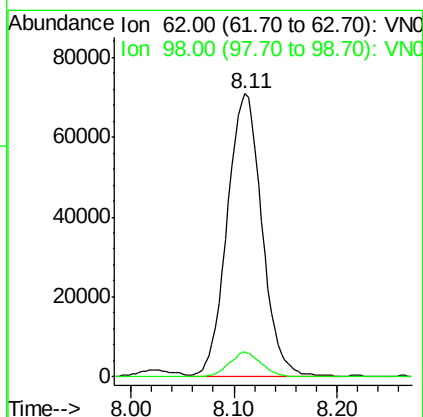
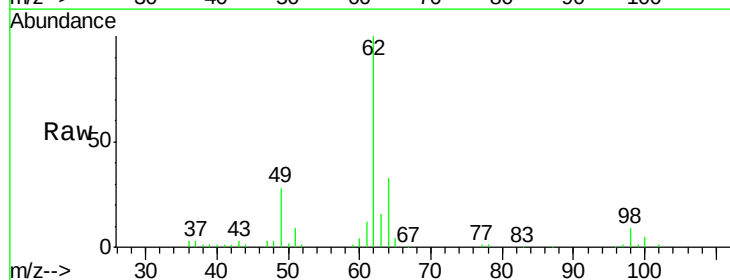
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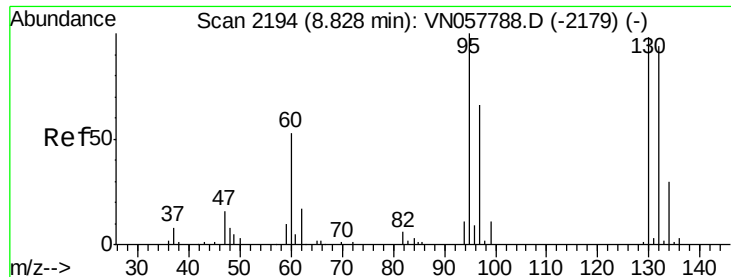
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#36
1,2-Dichloroethane
Concen: 20.524 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion	62	Resp	166146
Ion Ratio	Lower	Upper	
62	100		
98	8.1	6.6	9.8





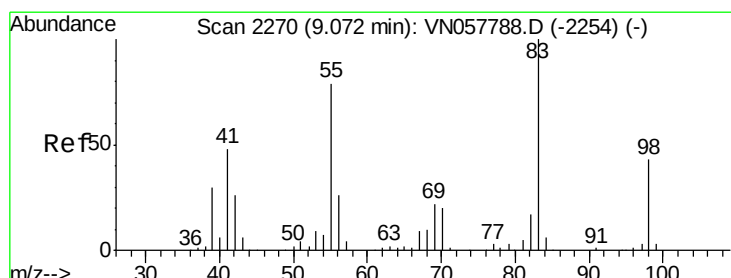
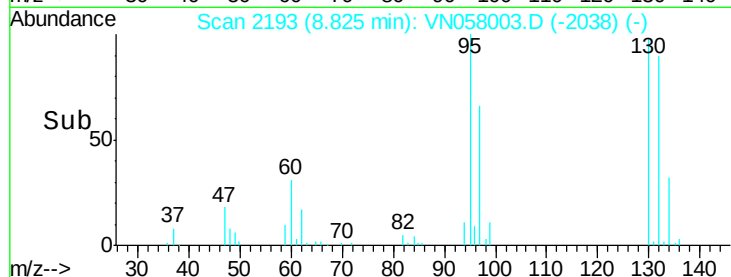
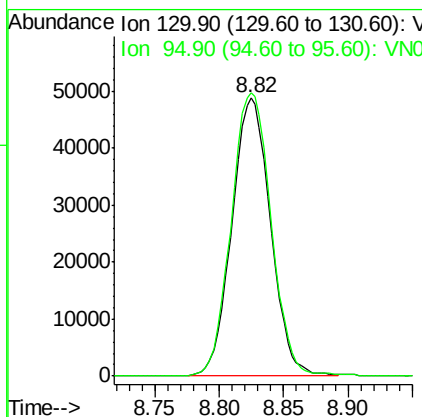
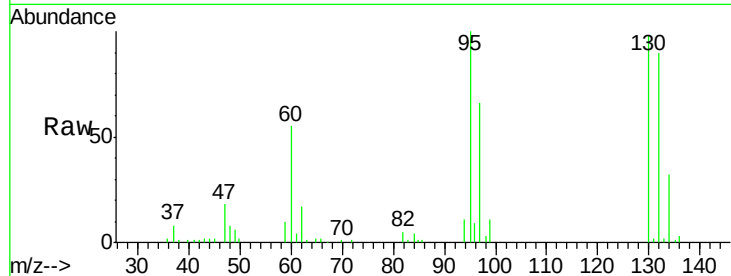
#37
 Trichloroethene
 Concen: 20.100 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
130	100	101842		
95	101.7	81.9	122.9	

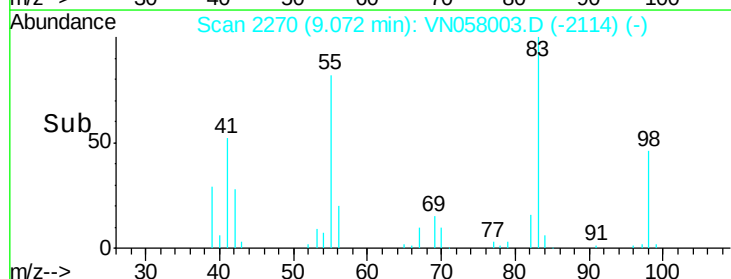
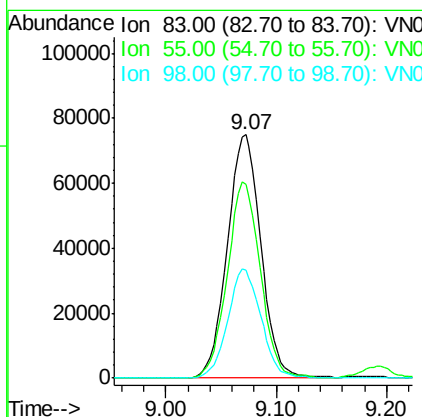
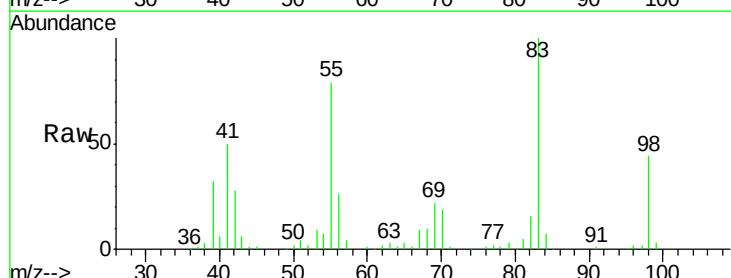
Manual Integrations
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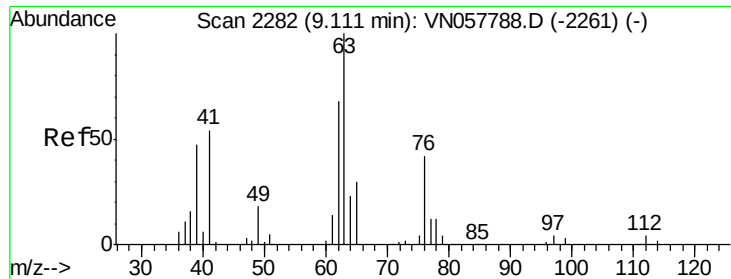
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#38
 Methylcyclohexane
 Concen: 19.770 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	158493		
55	78.9	39.6	118.7	
98	44.1	21.8	65.4	





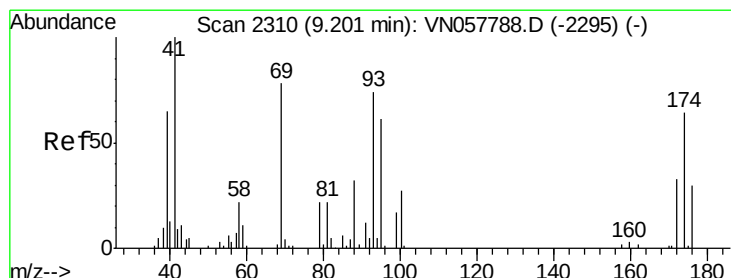
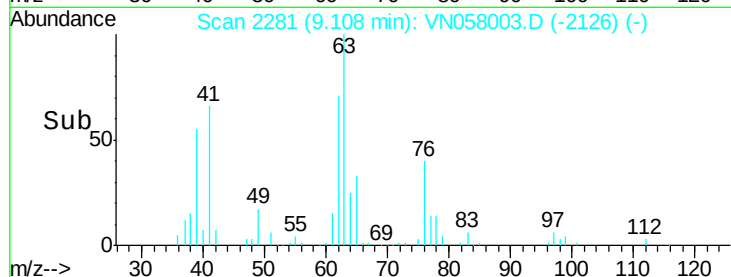
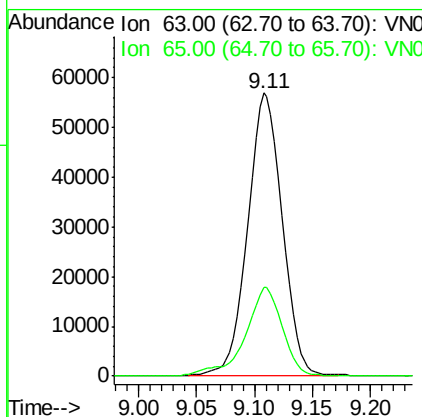
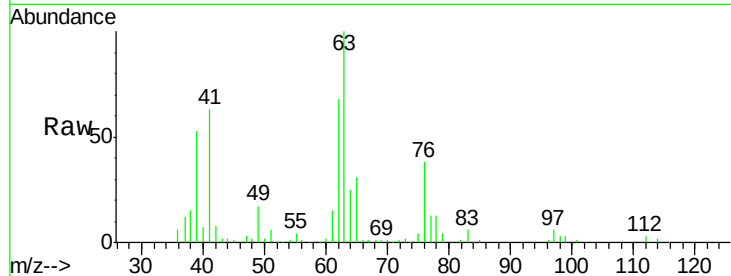
#39
 1,2-Dichloropropane
 Concen: 20.243 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 118595
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.6 35.4

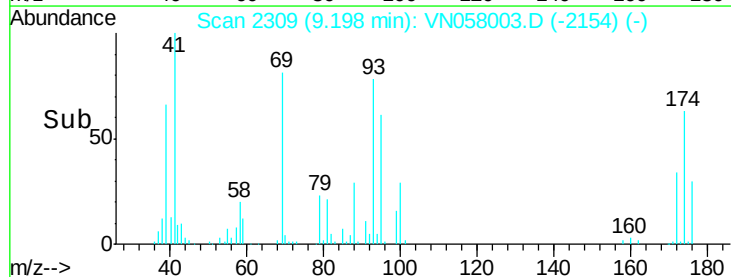
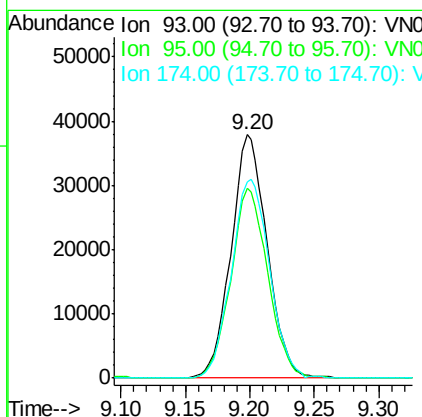
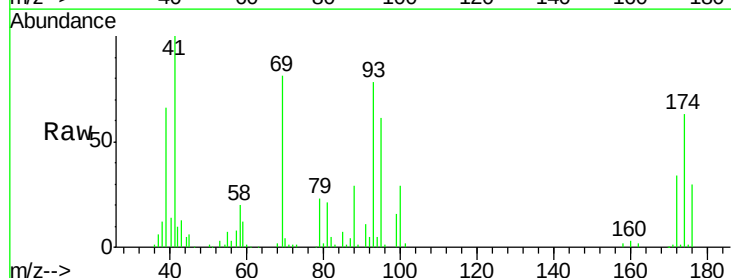
Manual Integrations
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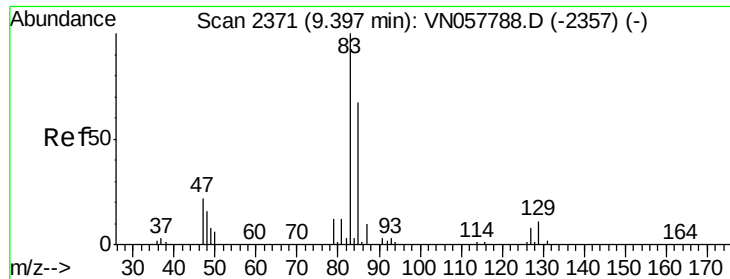
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 9/16/2019 1:48:28 PM



#40
 Dibromomethane
 Concen: 20.669 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion: 93 Resp: 73648
 Ion Ratio Lower Upper
 93 100
 95 80.0 0.0 163.0
 174 86.0 0.0 171.4





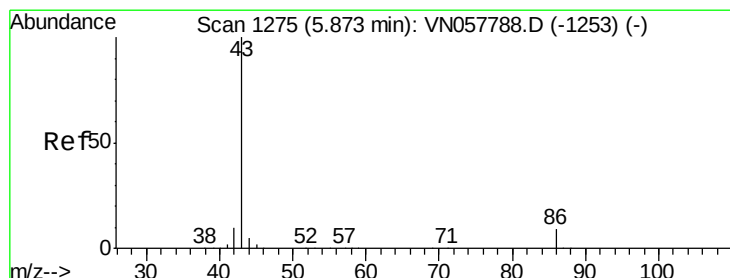
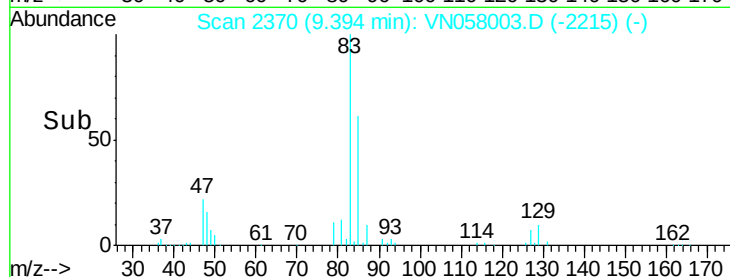
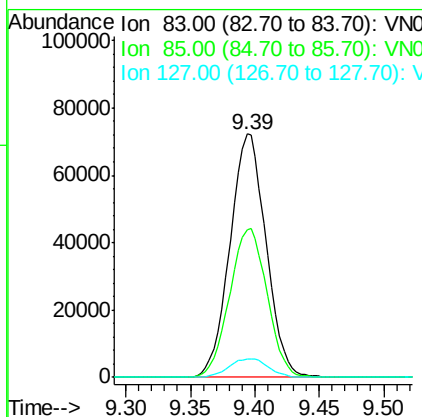
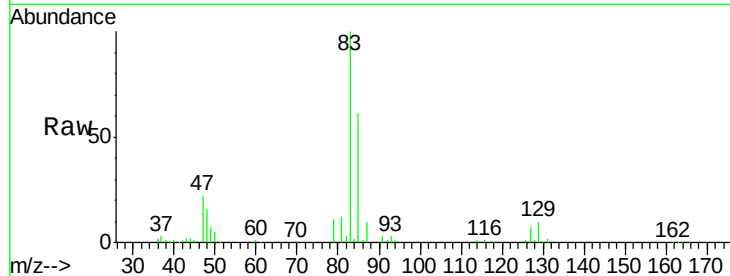
#41
Bromodichloromethane
Concen: 19.576 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	140631
Ion Ratio	100	Lower	Upper
83	100		
85	60.8	53.4	80.0
127	7.4	6.6	10.0

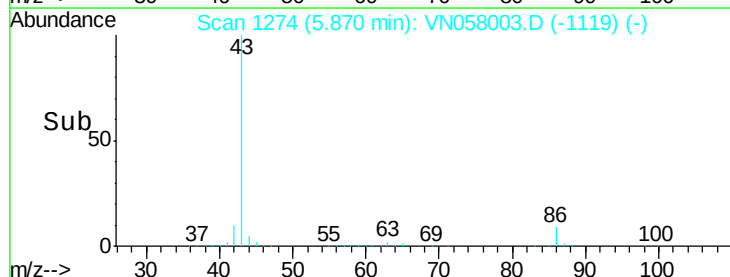
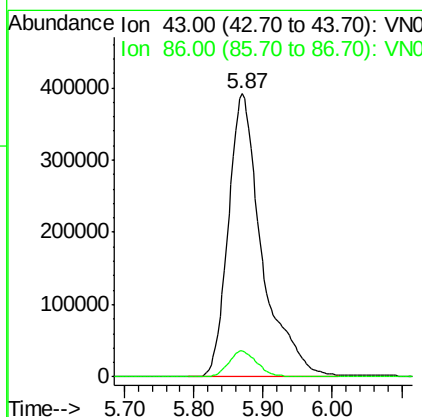
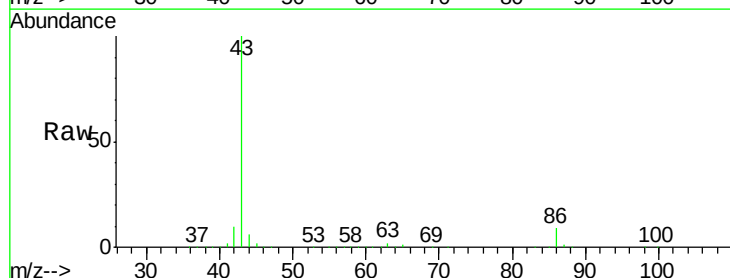
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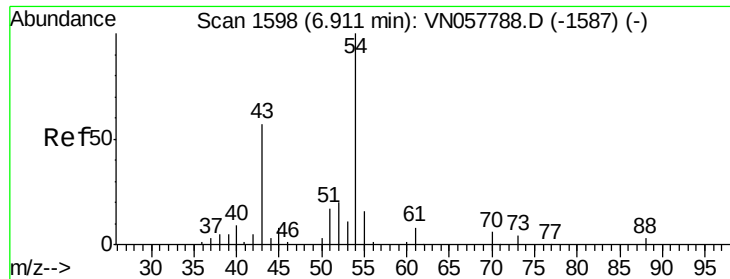
MMDadoda
9/16/2019 1:48:28 PM



#42
Vinyl Acetate
Concen: 103.943 ug/l
RT: 5.87 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion	43	Resp	1326178
Ion Ratio	100	Lower	Upper
43	100		
86	7.9	6.3	9.5





#43

Ethyl Acetate

Concen: 18.823 ug/l

RT: 6.91 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 43 Resp: 121911

Ion Ratio Lower Upper

43 100

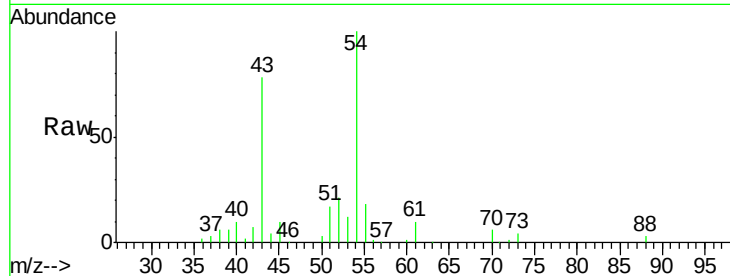
45 7.3 5.4 8.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

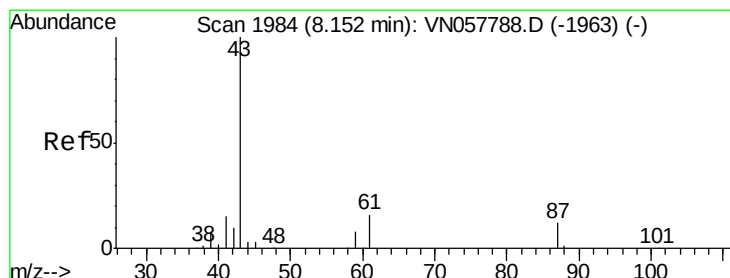
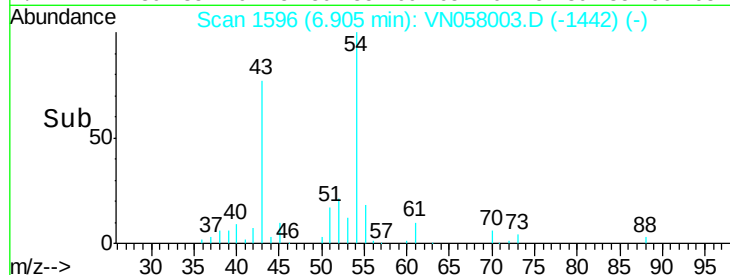
100000

50000

6.91

0

Time-->



#44

Isopropyl Acetate

Concen: 21.187 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058003.D

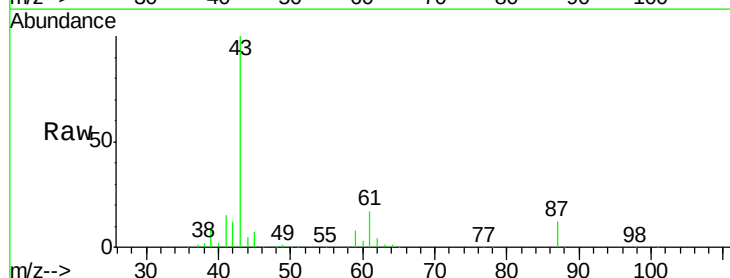
Acq: 13 Sep 2019 9:12

Tgt Ion: 43 Resp: 239259

Ion Ratio Lower Upper

43 100

61 15.4 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

120000

100000

8.15

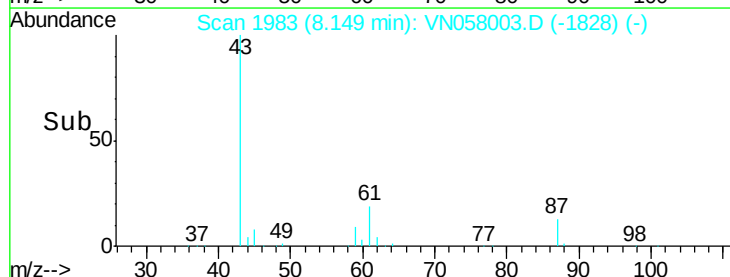
60000

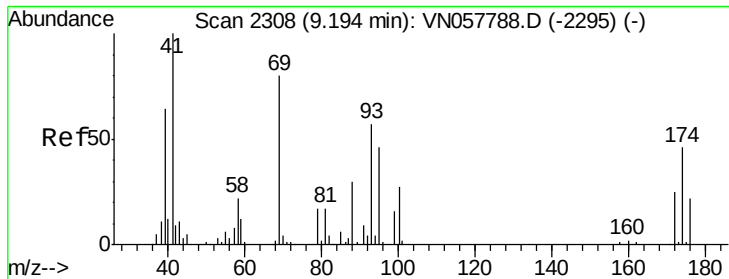
40000

20000

0

Time-->





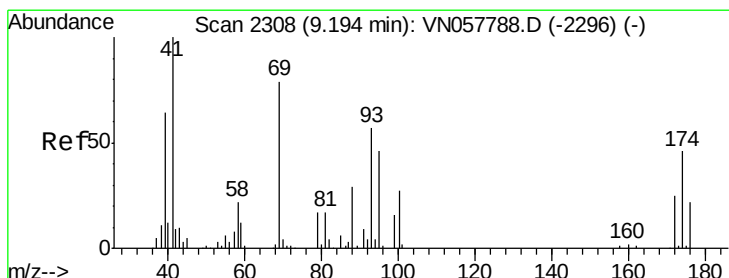
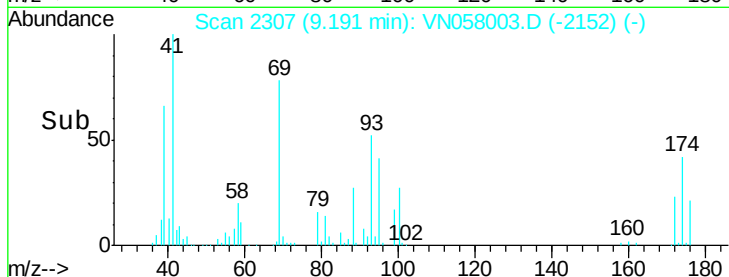
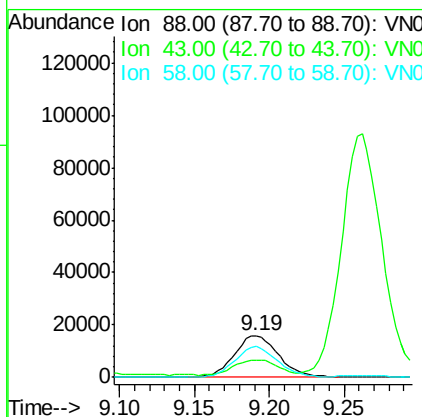
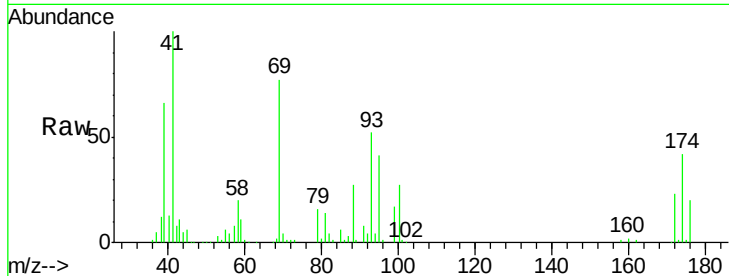
#45
 1,4-Dioxane
 Concen: 369.364 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	35.9	28.2	42.4	
58	70.8	58.5	87.7	

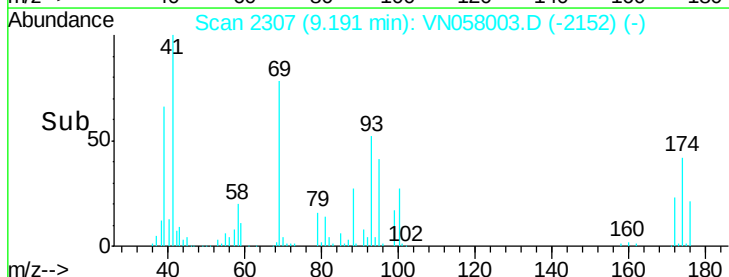
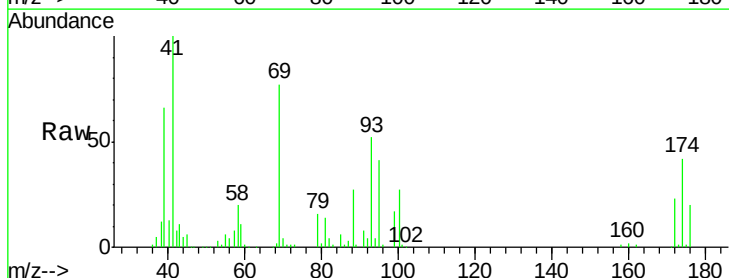
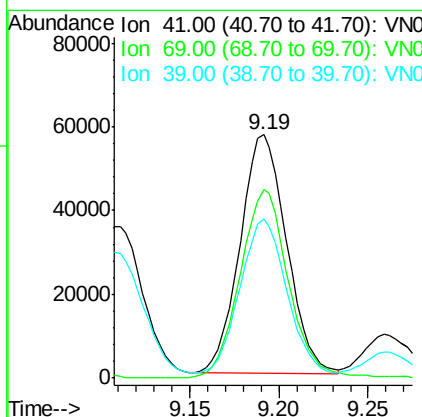
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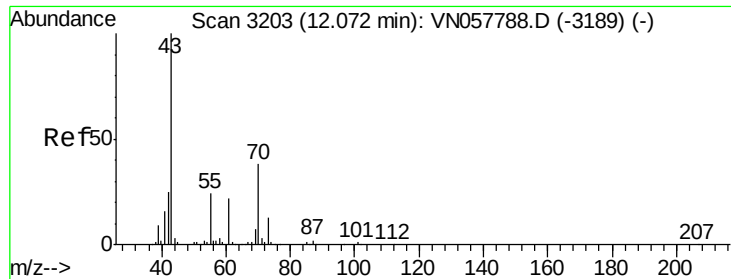
MMDadoda
 9/16/2019 1:48:28 PM



#46
 Methyl methacrylate
 Concen: 18.851 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	78.7	39.6	119.0	
39	64.8	31.9	95.7	





#47

n-amyl Acetate

Concen: 17.901 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 185694

Ion Ratio Lower Upper

43 100

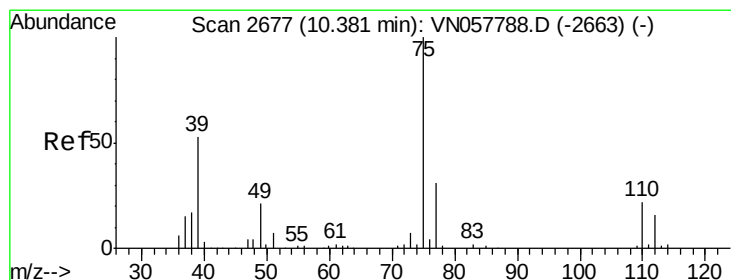
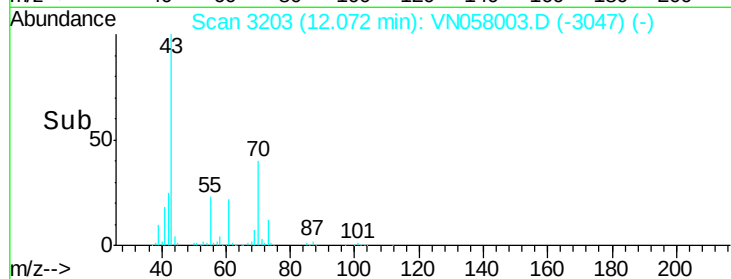
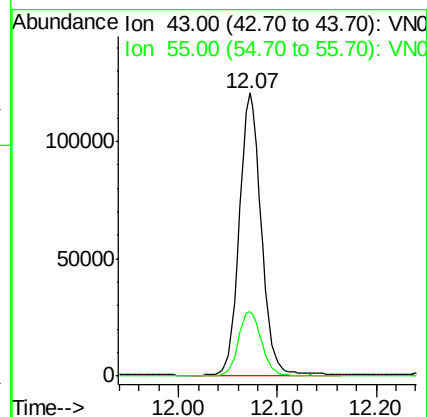
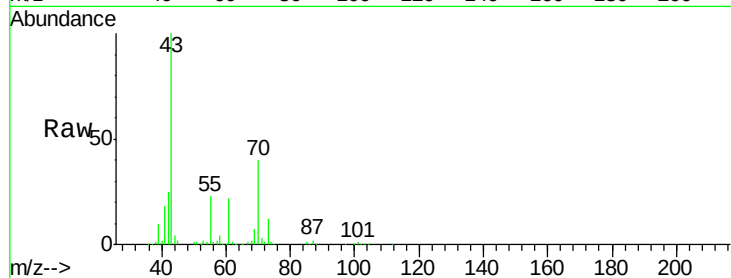
55 24.2 18.3 27.5

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.721 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058003.D

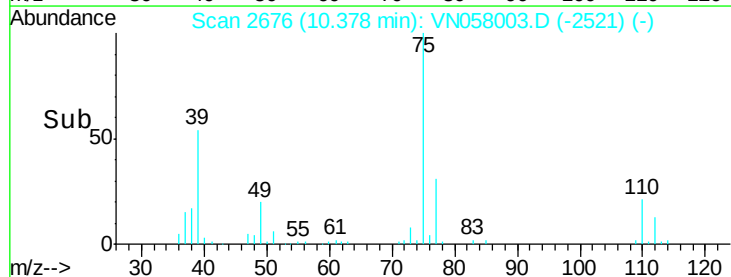
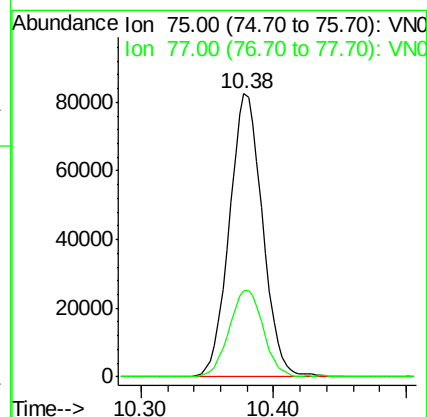
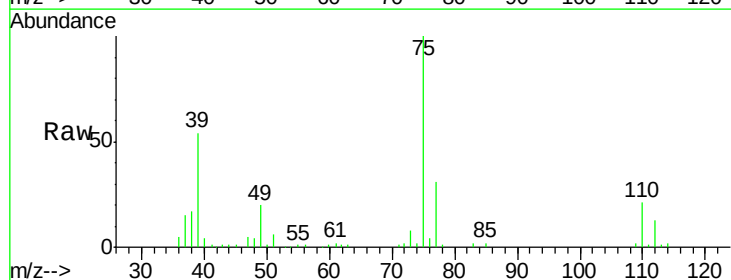
Acq: 13 Sep 2019 9:12

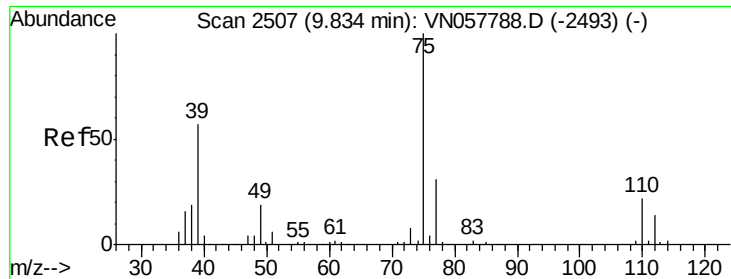
Tgt Ion: 75 Resp: 143173

Ion Ratio Lower Upper

75 100

77 30.6 24.9 37.3





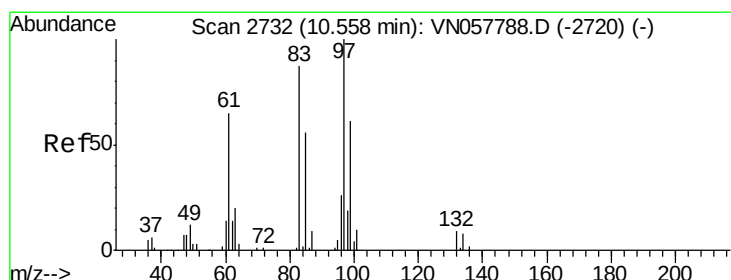
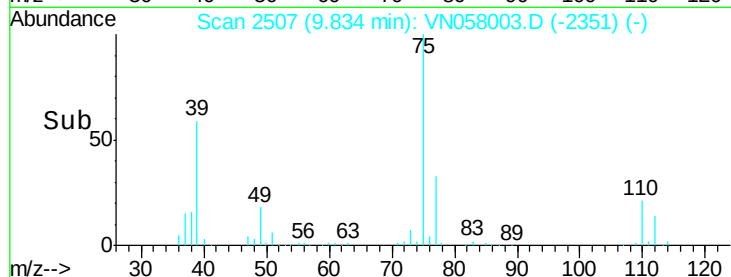
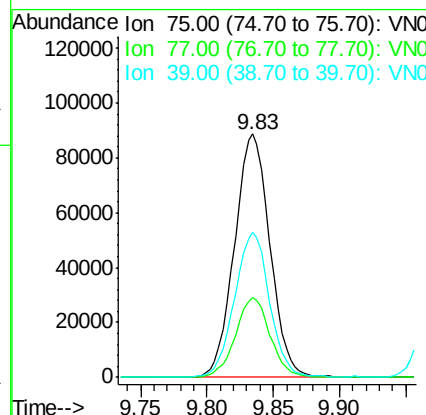
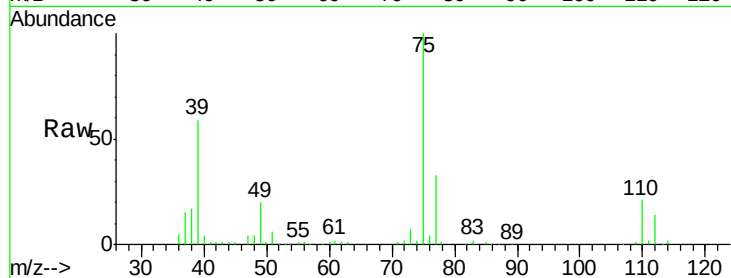
#49
 cis-1,3-Dichloropropene
 Concen: 19.205 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.6	36.8
39	59.1	45.8	68.8

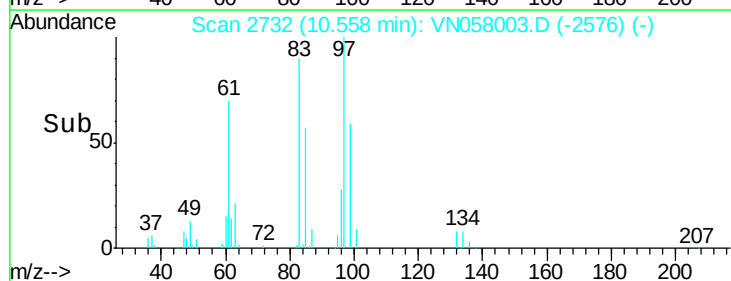
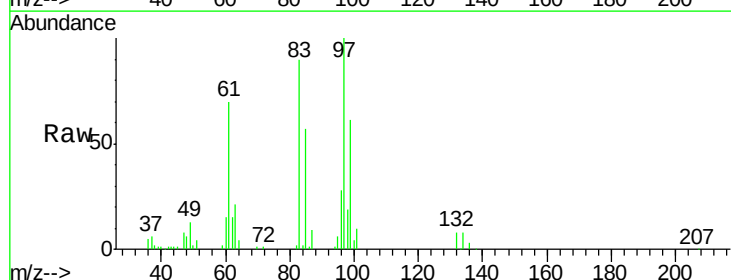
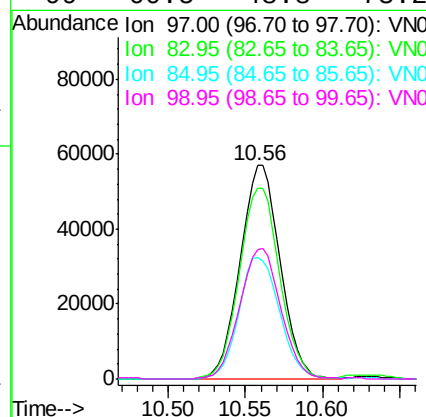
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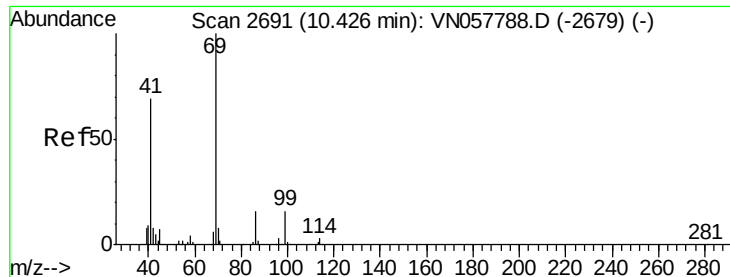
MMDadoda
 9/16/2019 1:48:28 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.843 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.4	104.2
85	56.9	45.0	67.6
99	60.5	48.8	73.2





#51

Ethyl methacrylate

Concen: 18.168 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

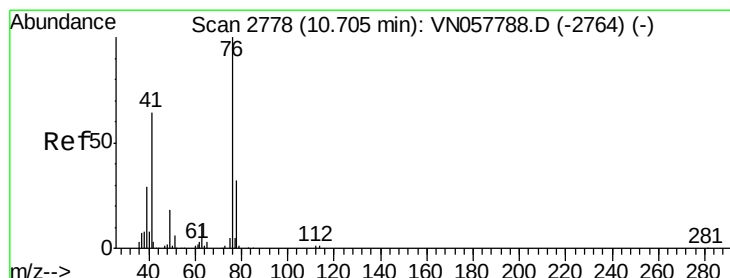
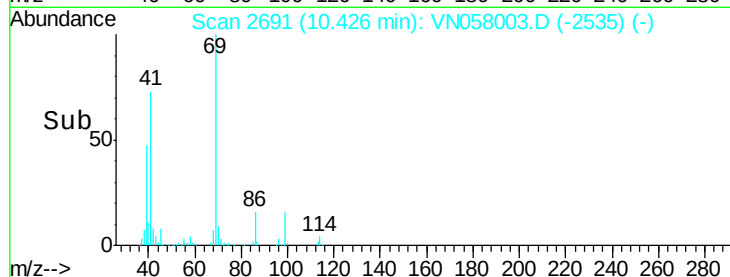
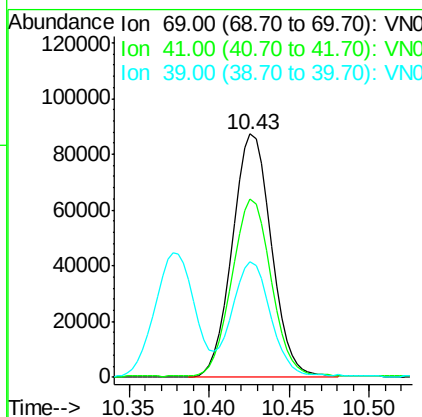
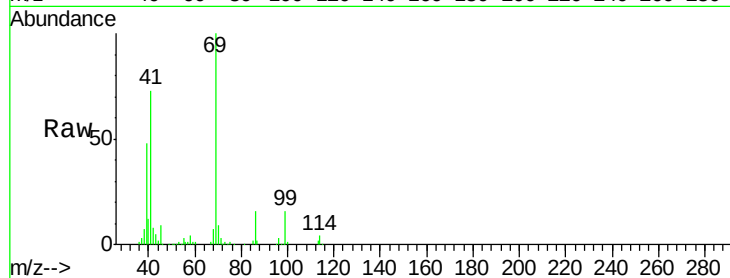
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	145601
Ion Ratio	Lower	Upper	
69	100		
41	72.5	34.5	103.5
39	46.5	22.4	67.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.320 ug/l

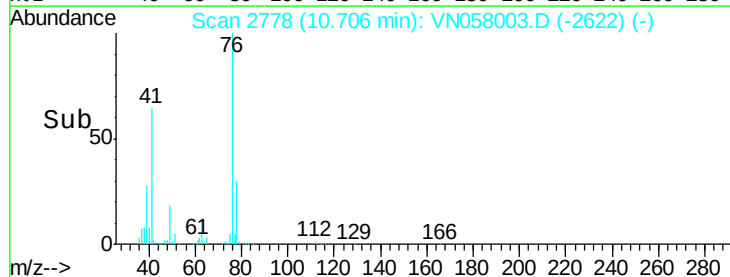
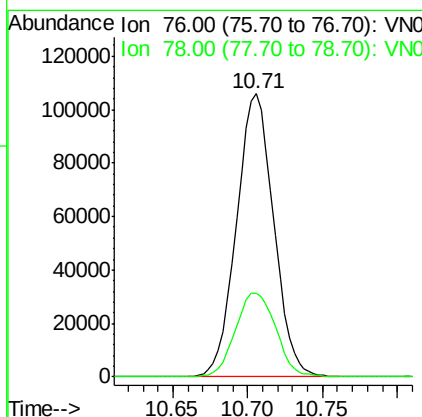
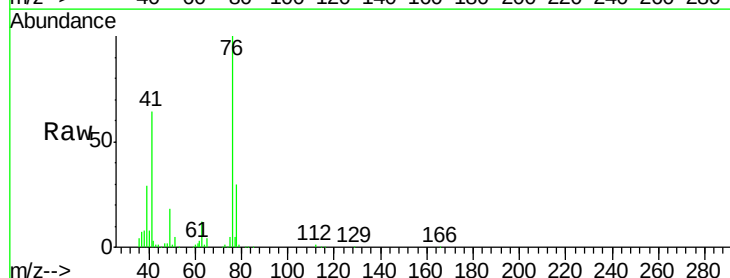
RT: 10.71 min Scan# 2778

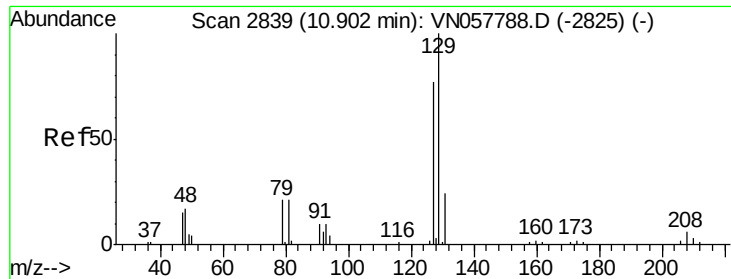
Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Tgt Ion:	76	Resp:	183671
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	63.8





#53

Dibromochloromethane

Concen: 17.560 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 89633

Ion Ratio Lower Upper

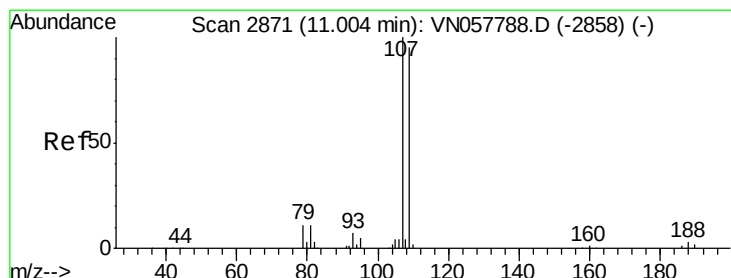
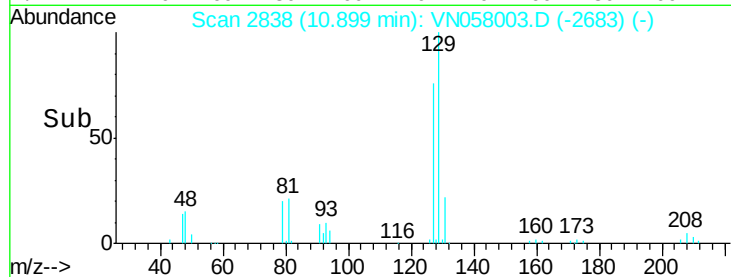
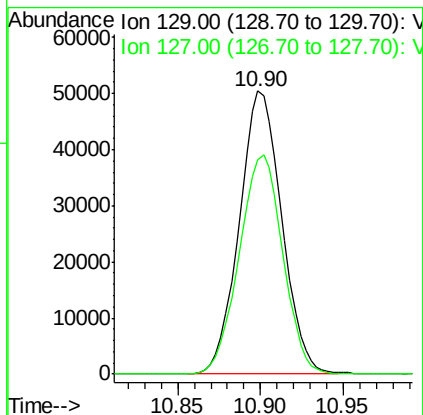
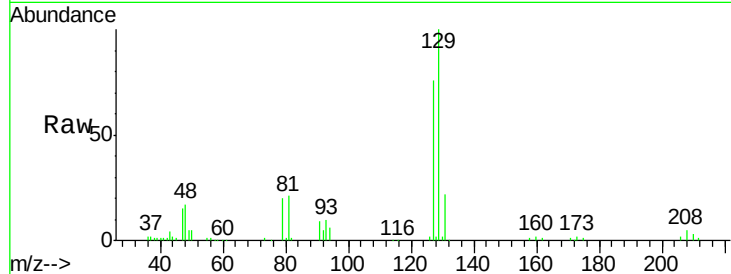
129 100

127 79.4 38.8 116.3

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#54

1,2-Dibromoethane

Concen: 18.897 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058003.D

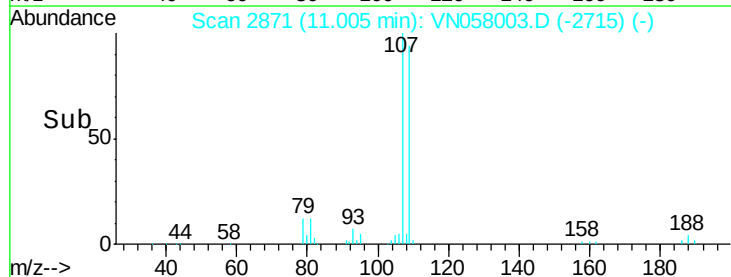
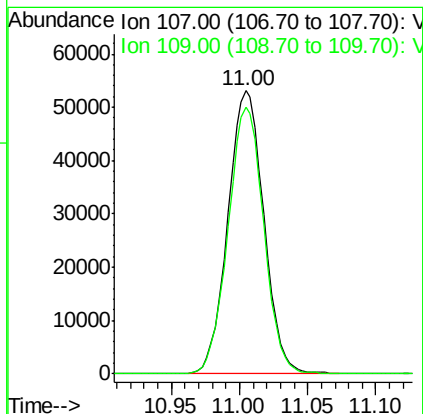
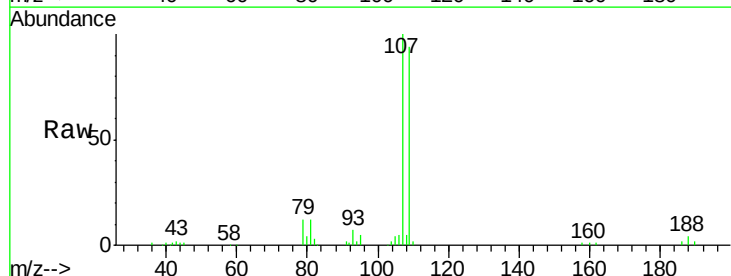
Acq: 13 Sep 2019 9:12

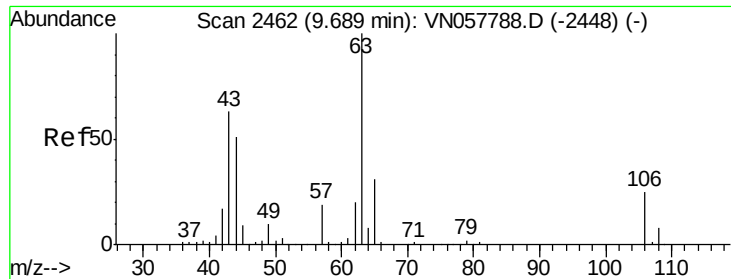
Tgt Ion:107 Resp: 97178

Ion Ratio Lower Upper

107 100

109 93.5 75.4 113.0





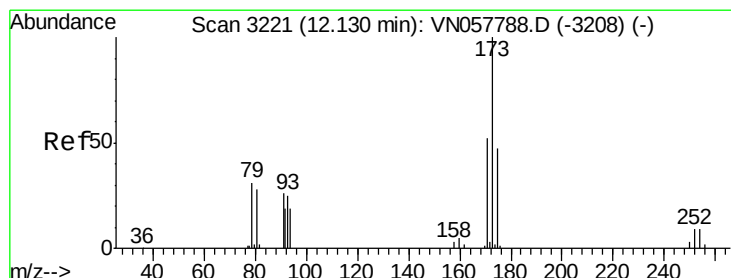
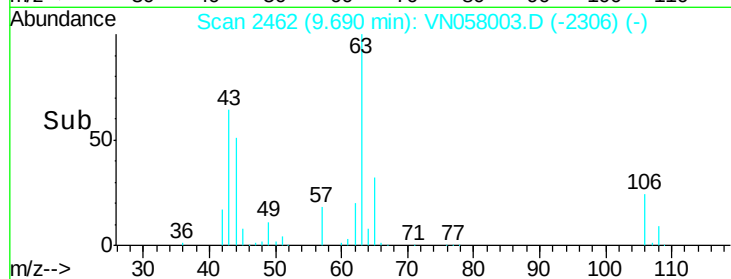
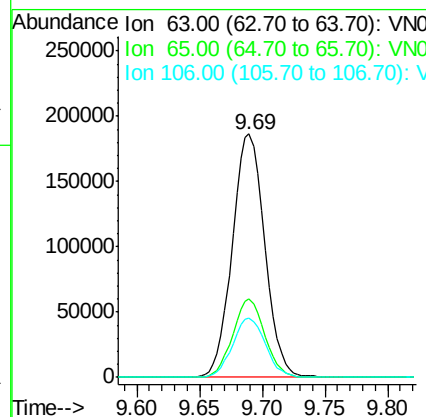
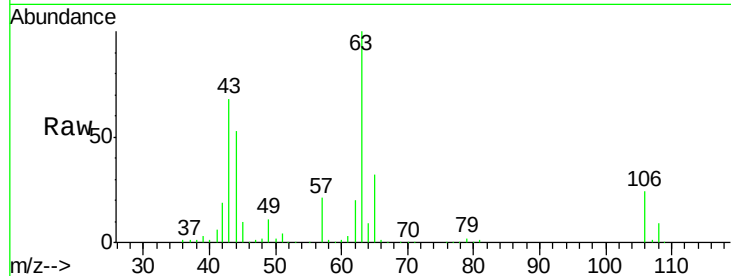
#55
2-Chloroethyl vinyl ether
Concen: 88.039 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.0	37.6
106	24.6	19.8	29.8

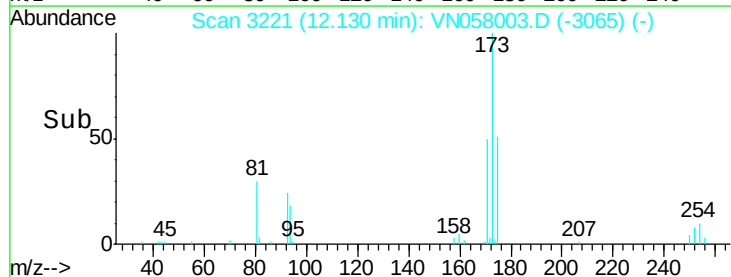
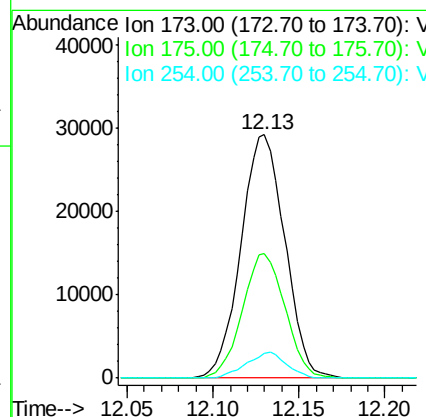
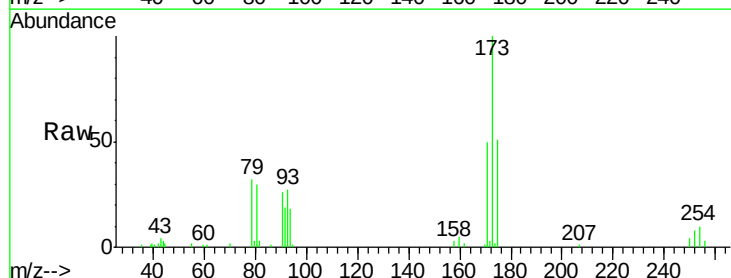
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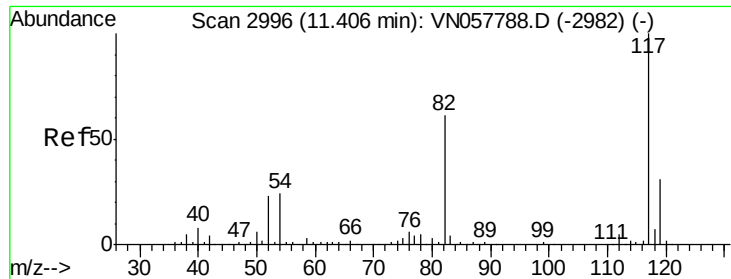
MMDadoda
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#56
Bromoform
Concen: 16.382 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.4	57.6
254	9.6	6.9	10.3





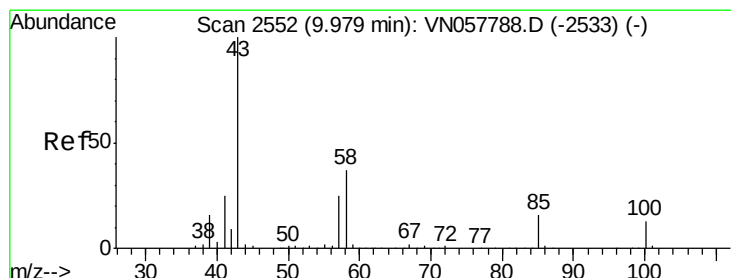
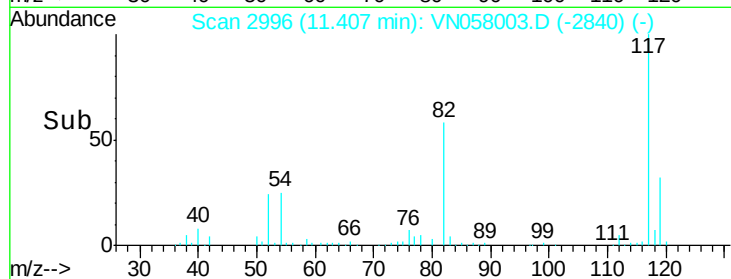
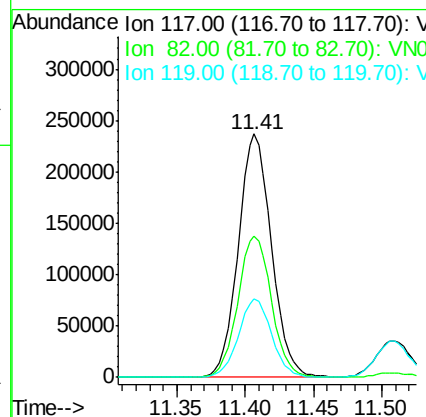
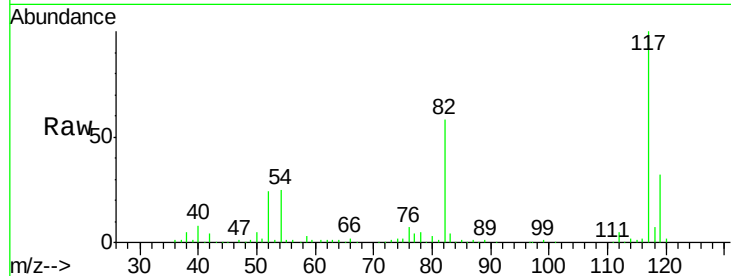
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.6	71.4
119	32.2	25.4	38.2

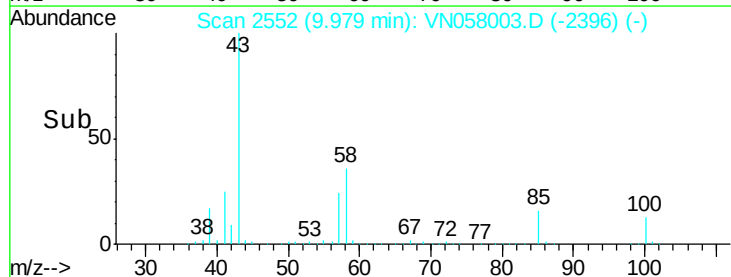
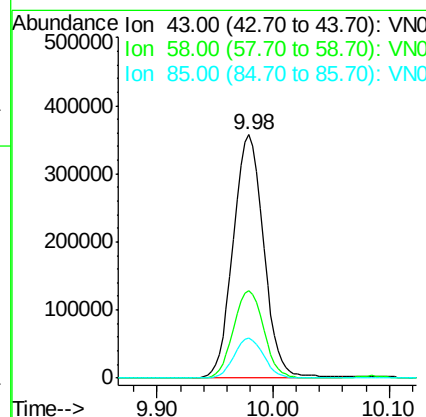
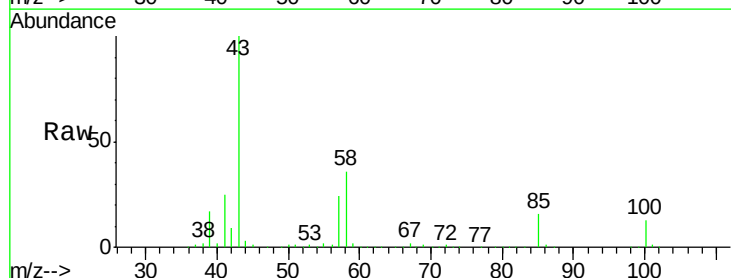
Manual Integrations
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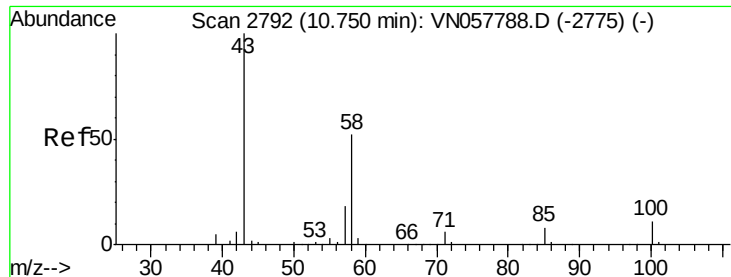
MMDadoda
9/16/2019 1:48:28 PM



#58
4-Methyl-2-Pentanone
Concen: 104.270 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.4	44.0
85	16.1	12.9	19.3





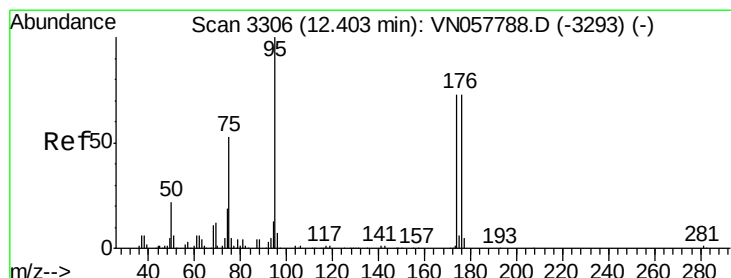
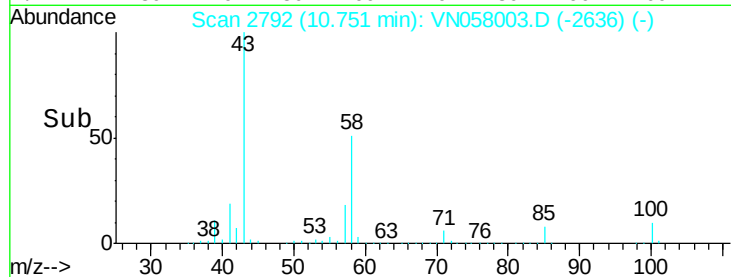
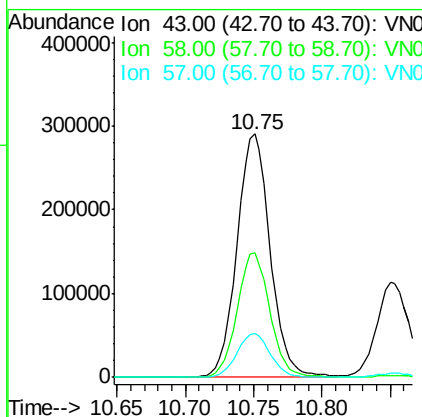
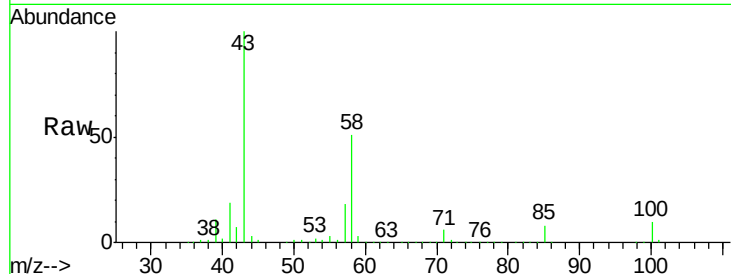
#59
2-Hexanone
Concen: 104.425 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.9	40.6	61.0
57	18.1	14.5	21.7

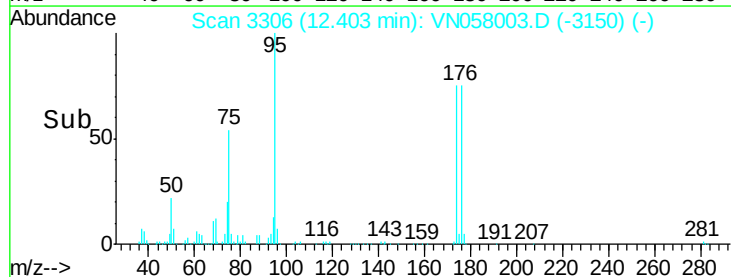
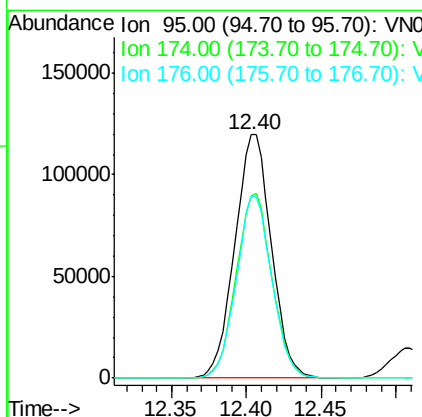
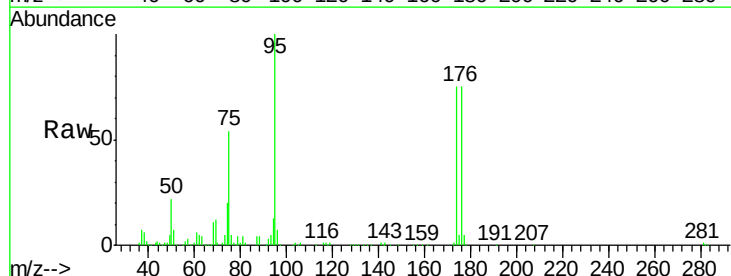
Manual Integrations
APPROVED

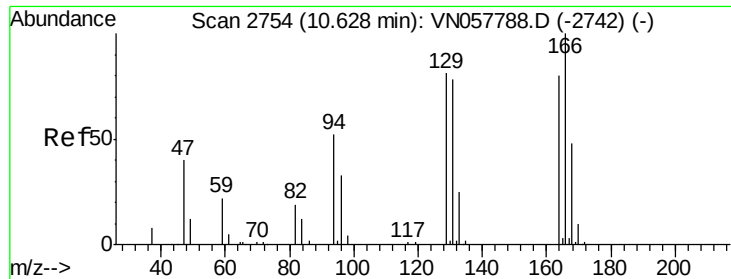
MMDadoda
9/16/2019 1:48:28 PM



#60
4-Bromofluorobenzene
Concen: 29.703 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.2	59.4	89.0
176	72.6	57.4	86.0





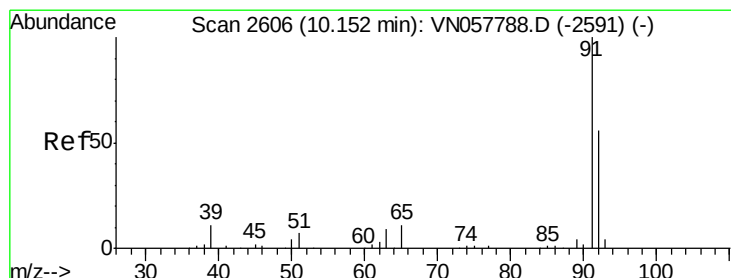
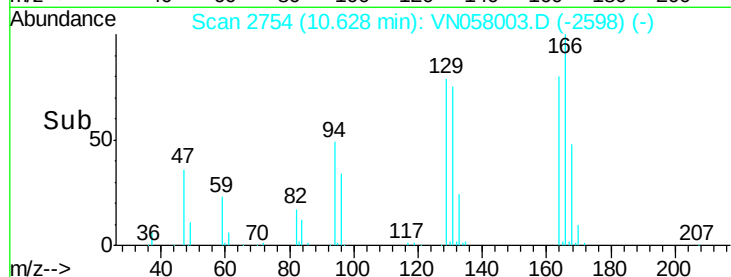
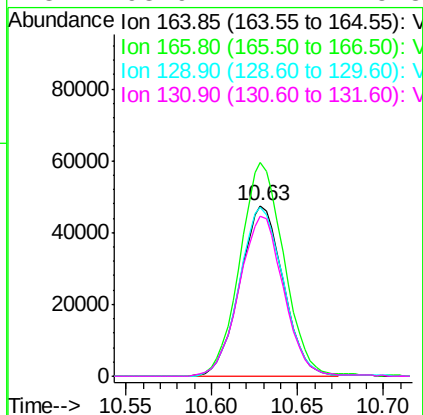
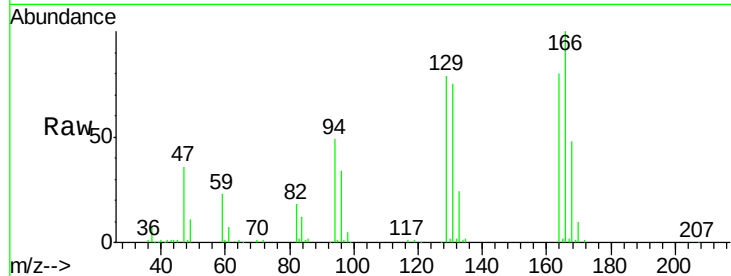
#61
 Tetrachloroethene
 Concen: 20.511 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	164	Resp:	83517
Ion Ratio	Lower	Upper	
164	100		
166	125.0	99.6	149.4
129	99.0	80.9	121.3
131	93.9	77.2	115.8

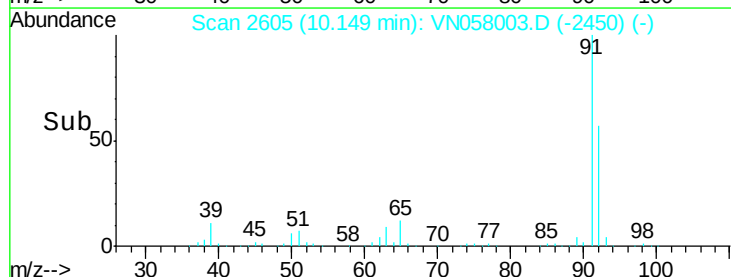
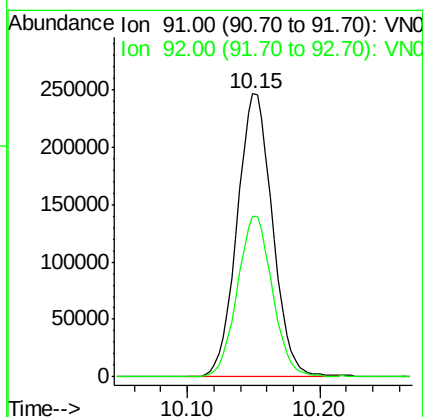
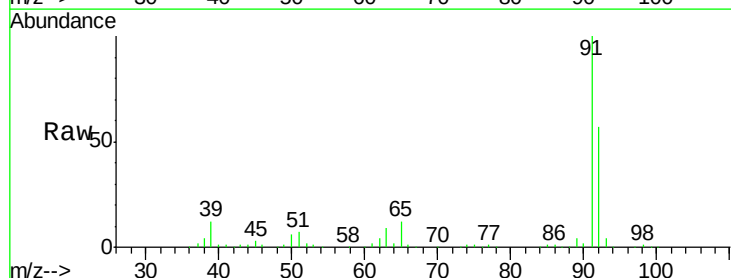
Manual Integrations
 APPROVED

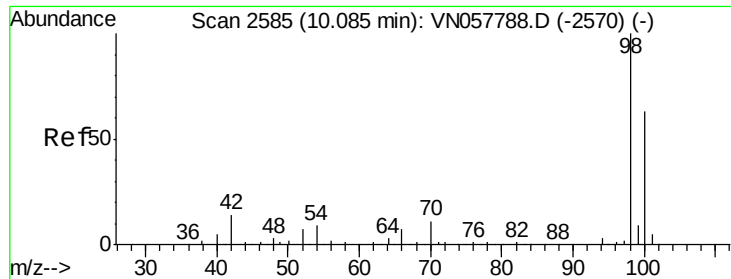
MMDadoda
 9/16/2019 1:48:28 PM



#62
 Toluene
 Concen: 20.578 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion:	91	Resp:	456313
Ion Ratio	Lower	Upper	
91	100		
92	56.2	44.9	67.3





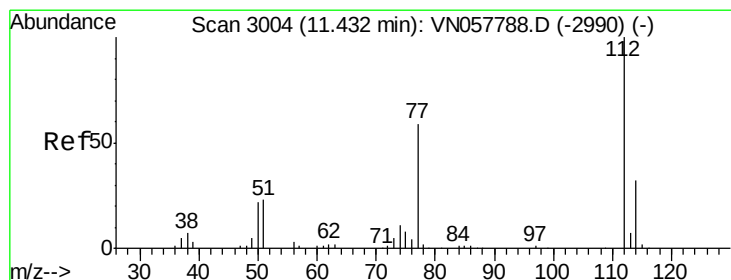
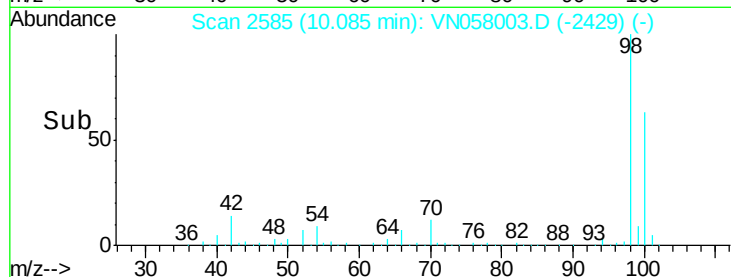
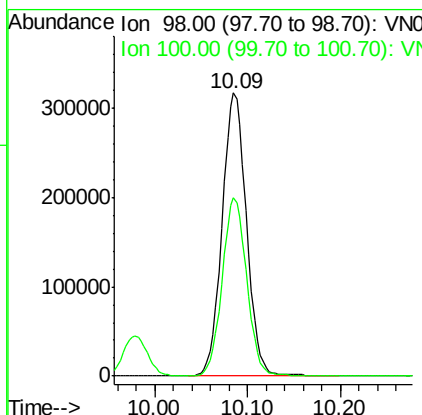
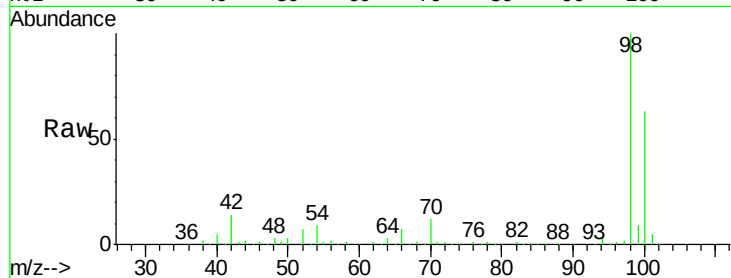
#63
Toluene-d8
Concen: 30.023 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 577113
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5

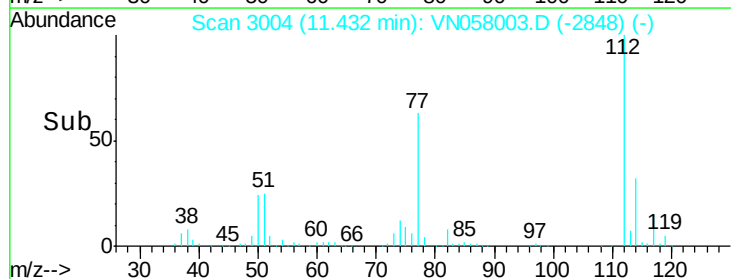
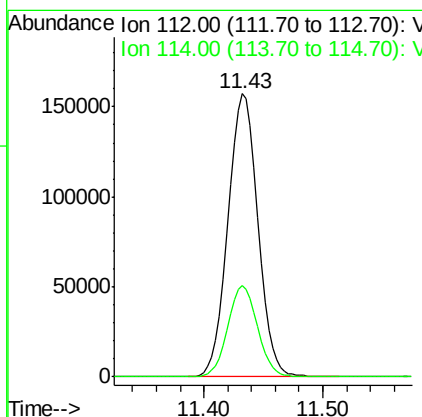
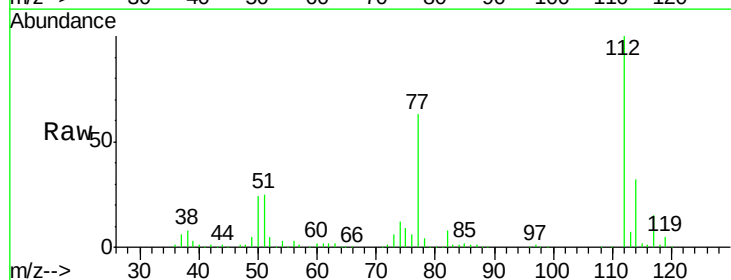
Manual Integrations
APPROVED

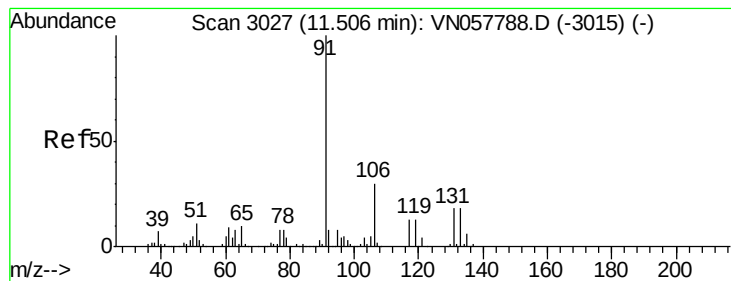
MMDadoda
9/16/2019 1:48:28 PM



#64
Chlorobenzene
Concen: 19.978 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion: 112 Resp: 274815
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.524 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

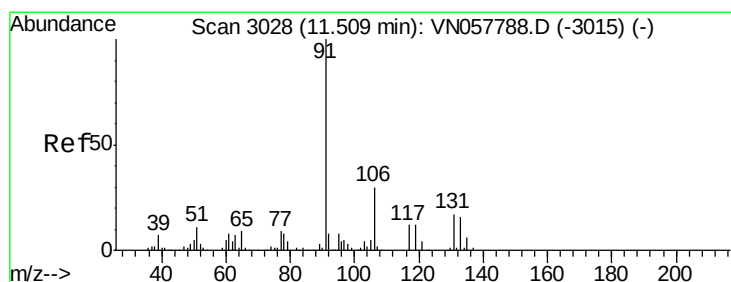
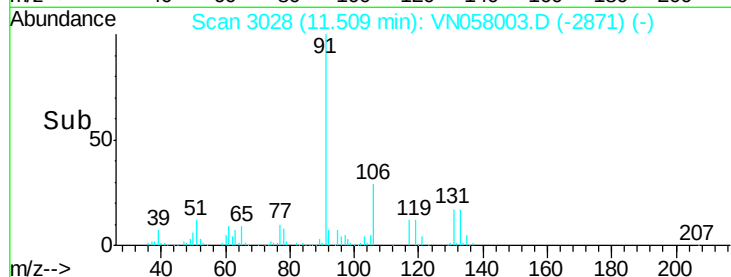
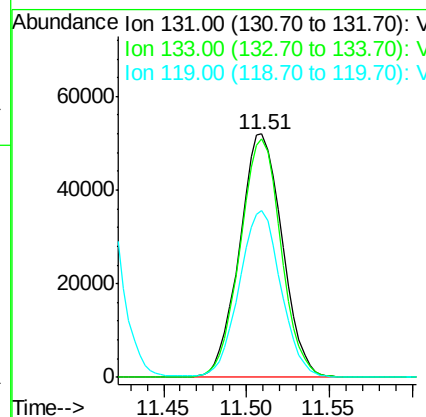
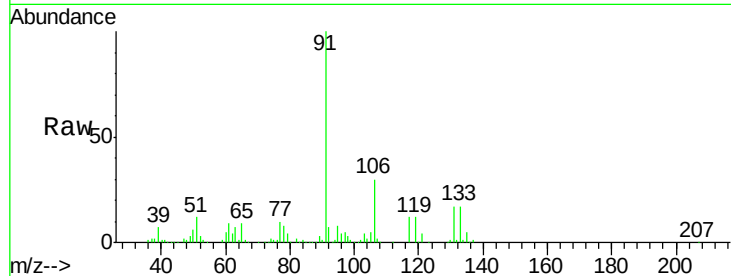
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	93250
Ion Ratio	Lower	Upper	
131	100		
133	94.1	0.0	189.2
119	66.8	0.0	136.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.929 ug/l

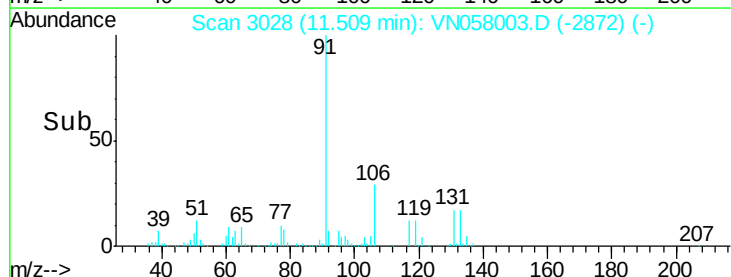
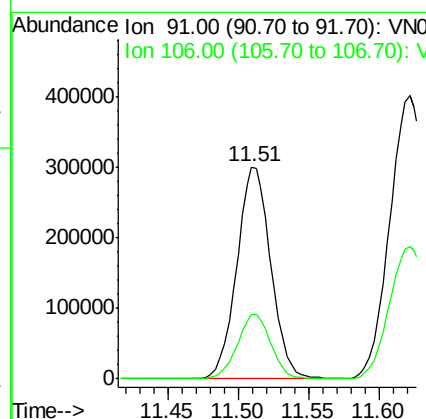
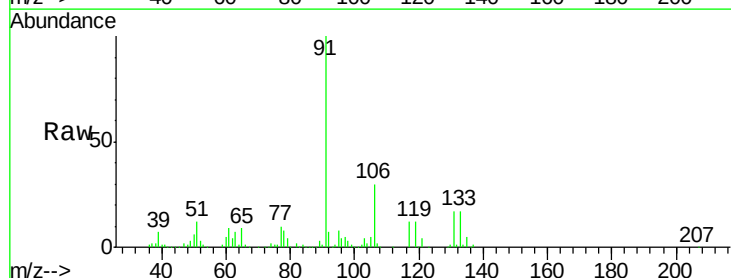
RT: 11.51 min Scan# 3028

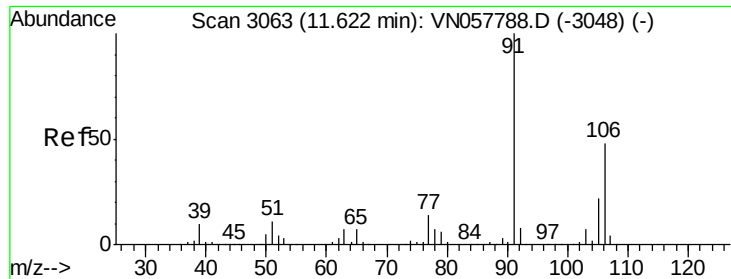
Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Tgt Ion:	91	Resp:	506509
Ion Ratio	Lower	Upper	
91	100		
106	30.2	24.0	36.0





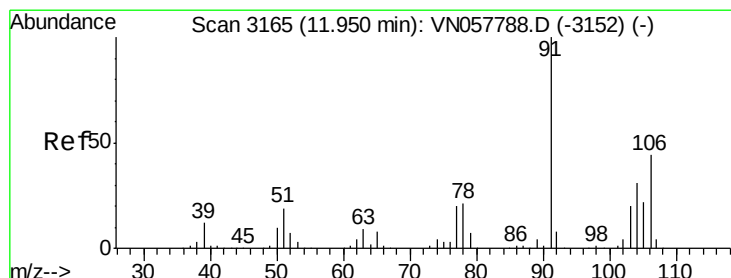
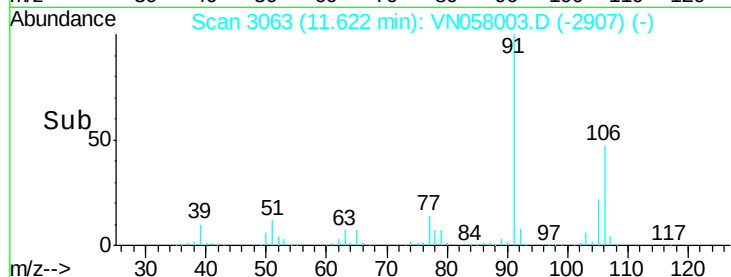
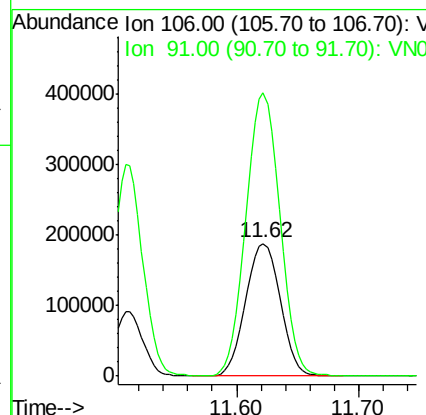
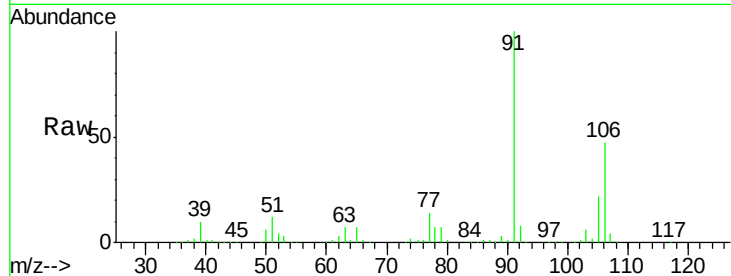
#67
m/p-Xylenes
Concen: 40.134 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 370717
Ion Ratio Lower Upper
106 100
91 208.6 166.1 249.1

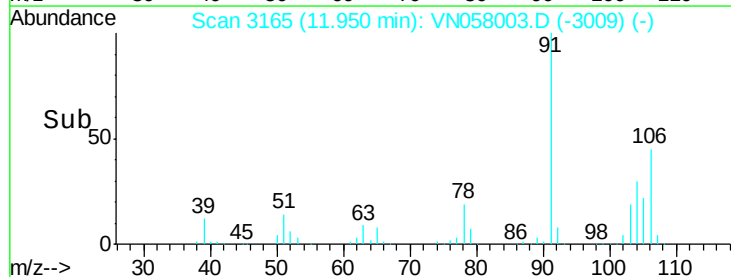
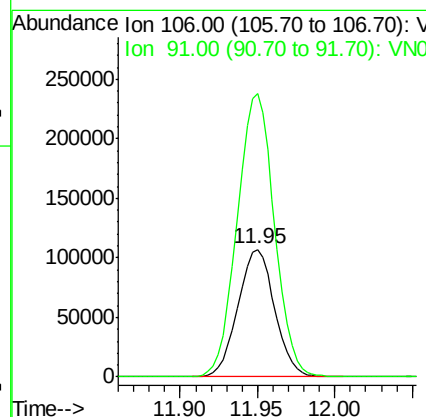
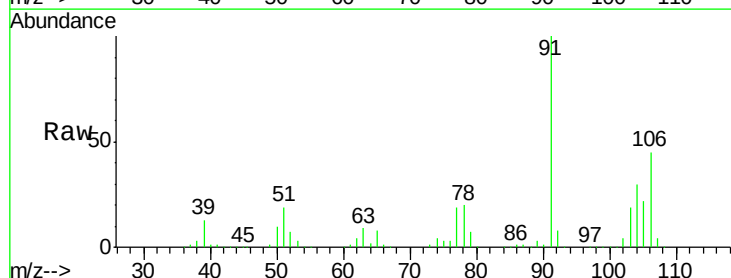
Manual Integrations
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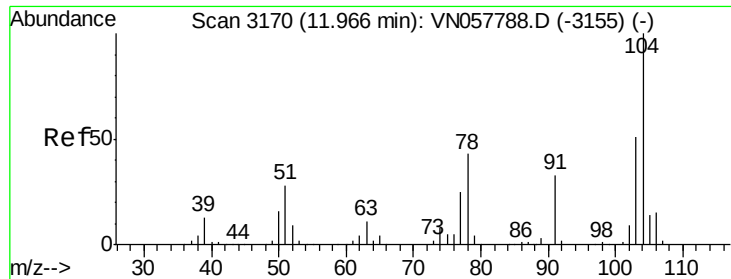
MMDadoda
9/16/2019 1:48:28 PM



#68
o-Xylene
Concen: 19.500 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion:106 Resp: 176459
Ion Ratio Lower Upper
106 100
91 225.0 111.5 334.4





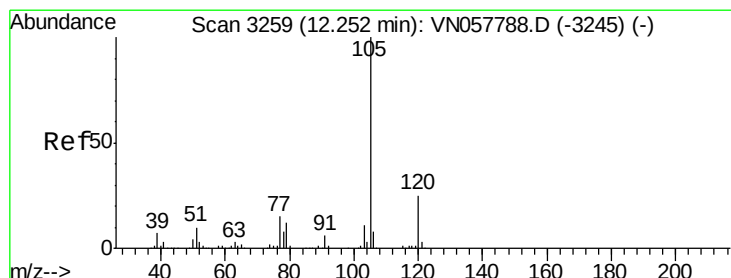
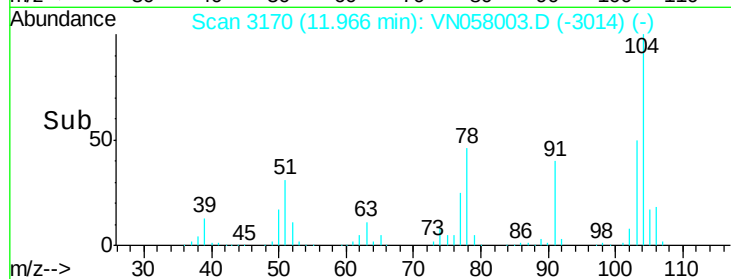
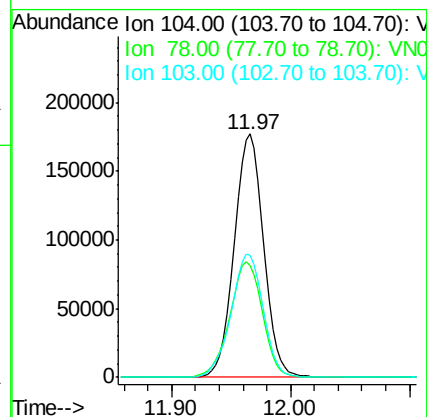
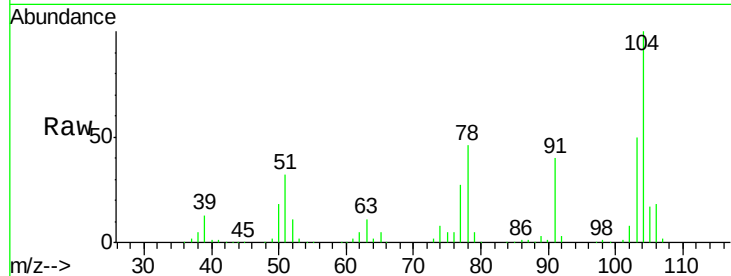
#69
Stvrene
Concen: 19.656 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.6	41.5	62.3
103	55.3	44.8	67.2

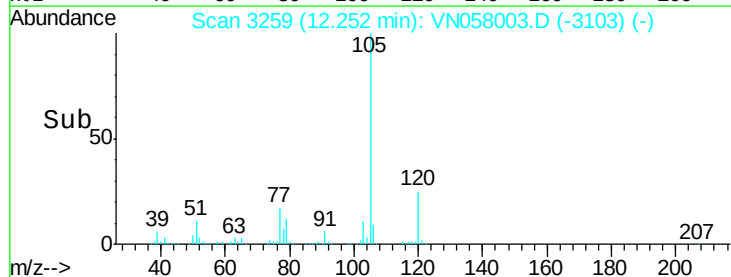
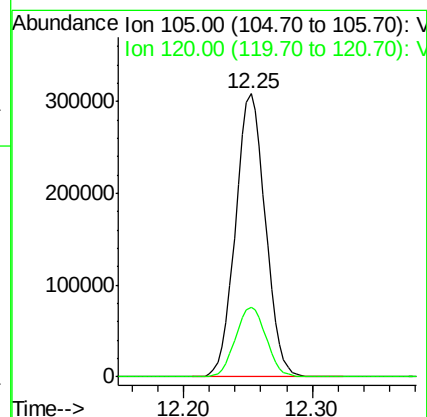
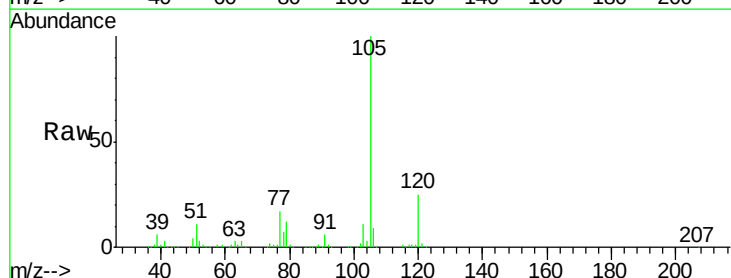
Manual Integrations
APPROVED

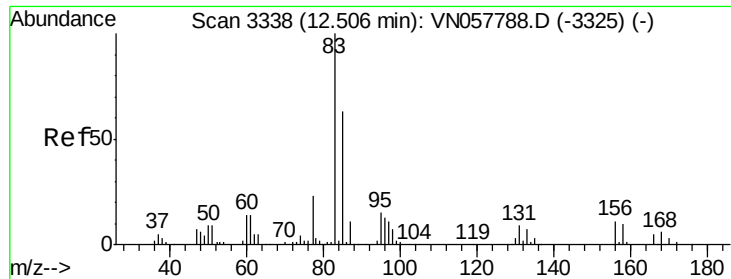
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#70
Isopropylbenzene
Concen: 20.719 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	17.6	32.6





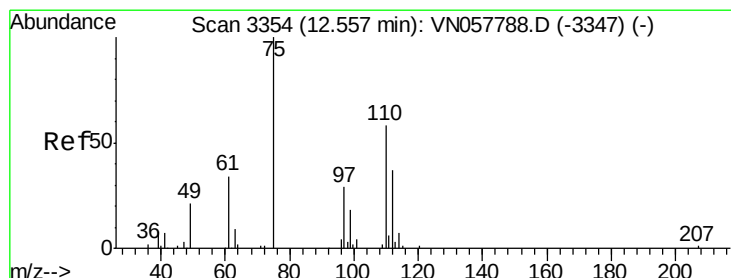
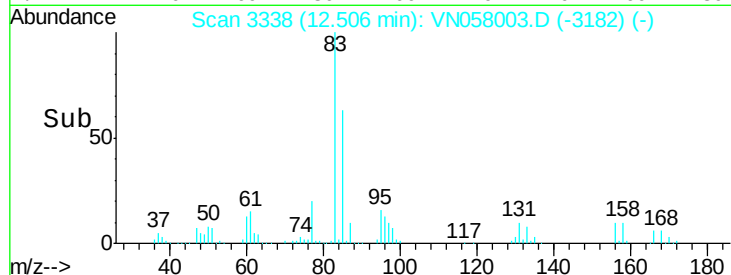
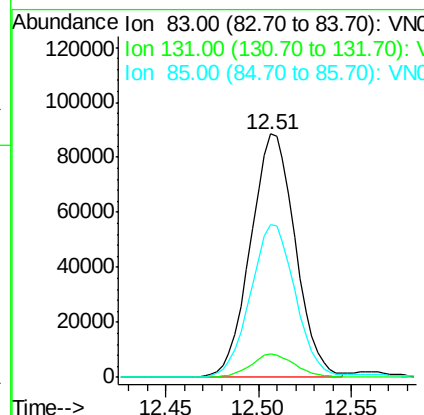
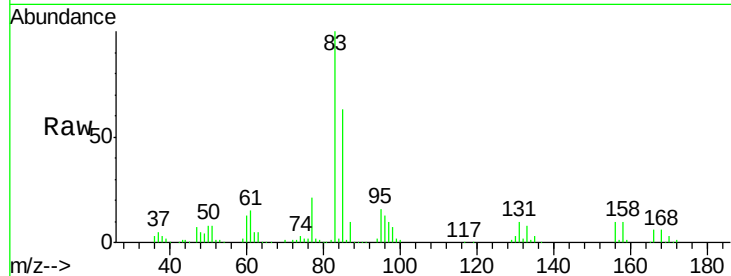
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.867 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.4	4.9	14.6	
85	62.9	32.1	96.3	

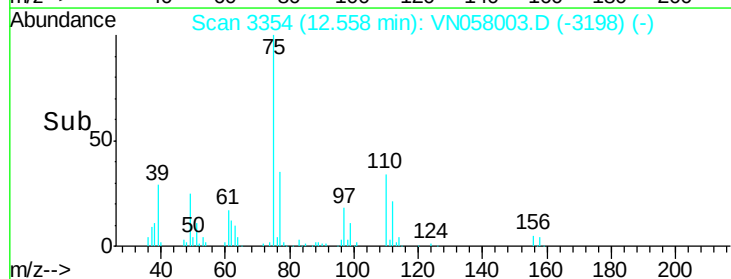
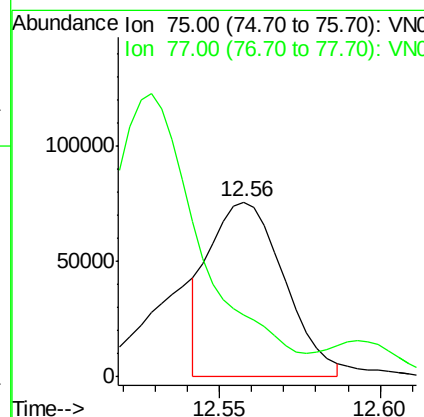
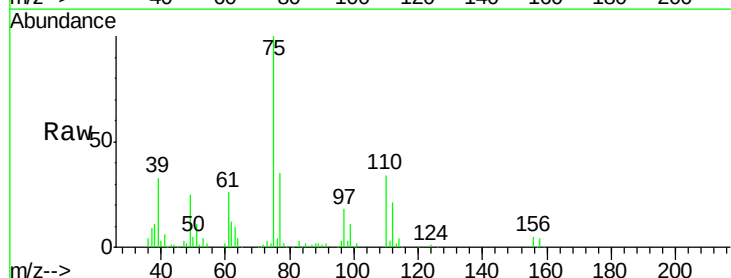
Manual Integrations
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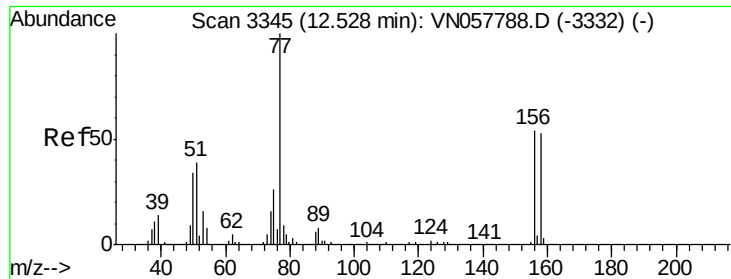
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 18.349 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	202.3	0.0	351.6	





#73

Bromobenzene

Concen: 19.553 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

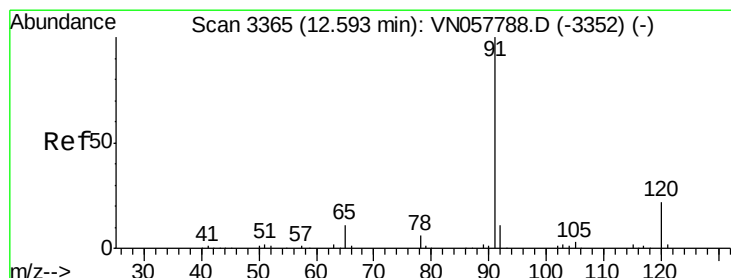
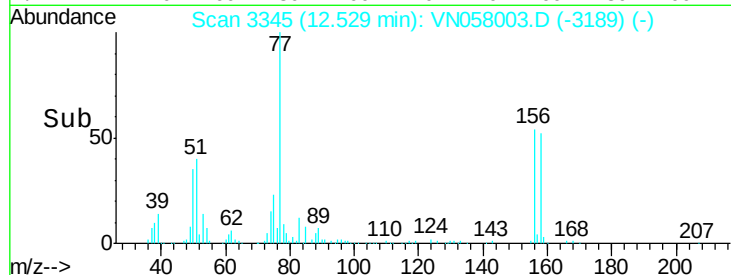
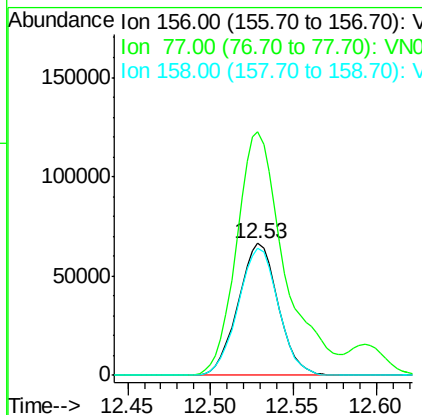
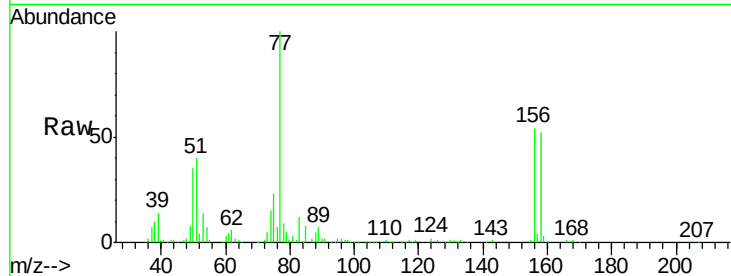
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	111989
Ion Ratio	Lower	Upper	
156	100		
77	220.0	0.0	446.6
158	96.8	0.0	197.2

Manual Integrations
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#74

n-propylbenzene

Concen: 21.375 ug/l

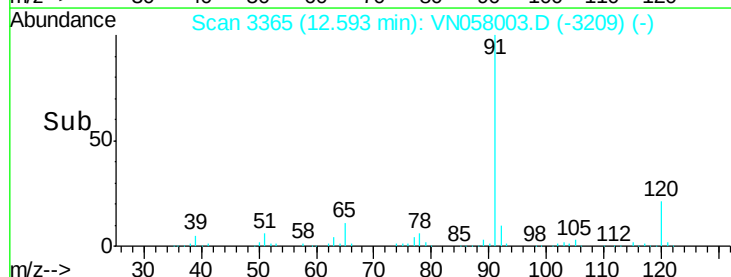
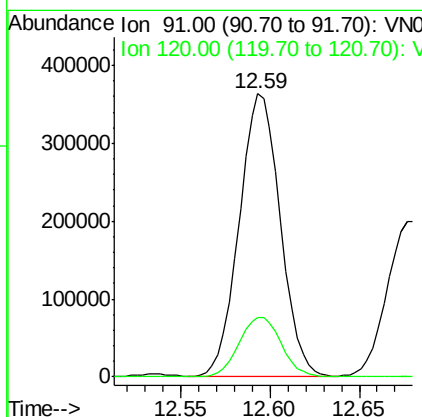
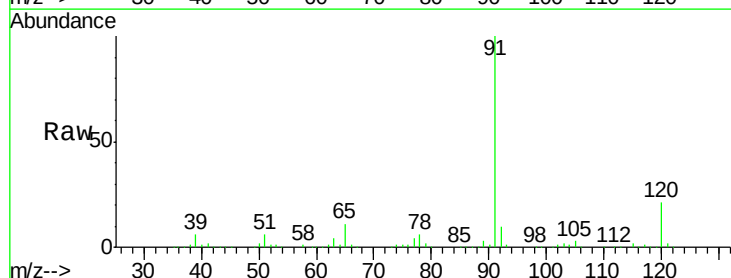
RT: 12.59 min Scan# 3365

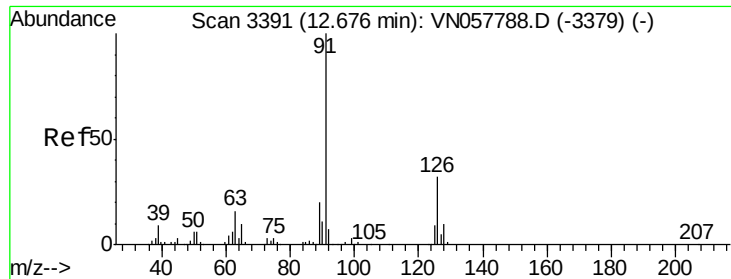
Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Tgt Ion:	91	Resp:	584239
Ion Ratio	Lower	Upper	
91	100		
120	21.6	0.0	43.4





#75

2-Chlorotoluene

Concen: 20.192 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 343768

Ion Ratio Lower Upper

91 100

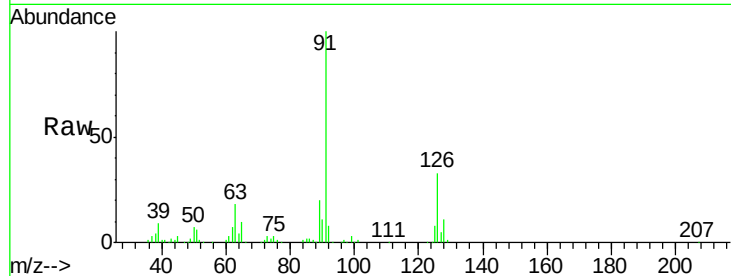
126 31.6 0.0 64.8

Manual Integrations

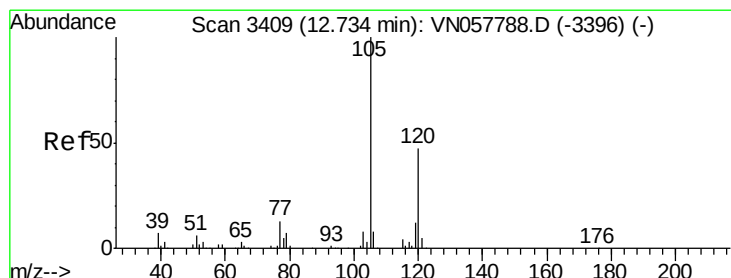
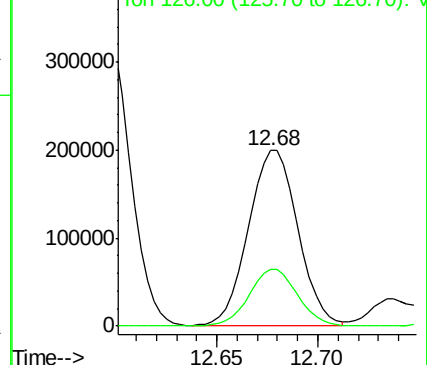
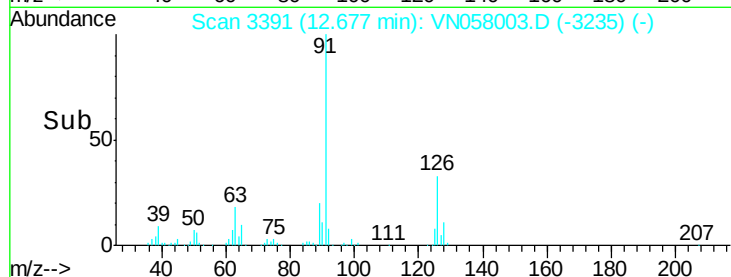
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Abundance Ion 91.00 (90.70 to 91.70): VN058003.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.705 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058003.D

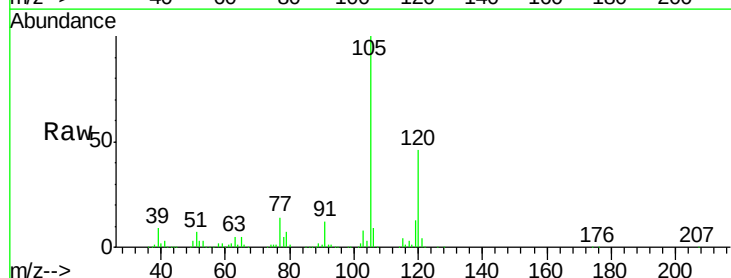
Acq: 13 Sep 2019 9:12

Tgt Ion: 105 Resp: 421803

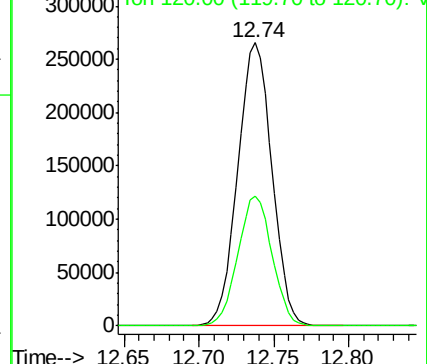
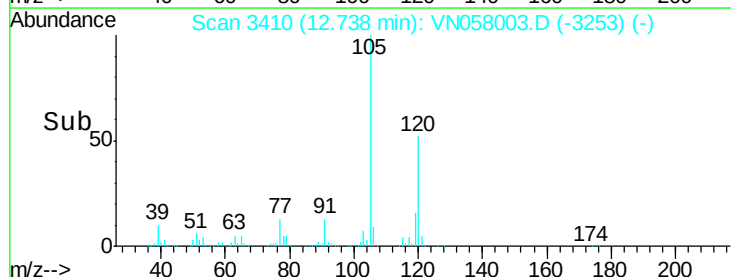
Ion Ratio Lower Upper

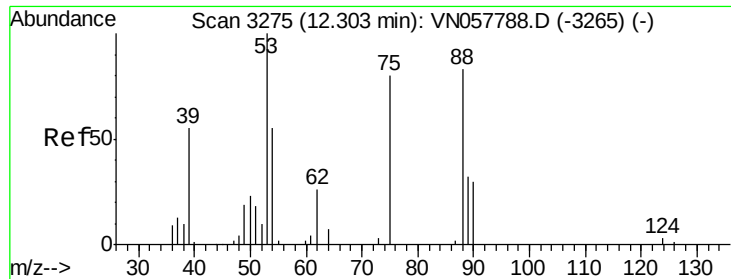
105 100

120 46.0 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058003.D (-3253) (-)





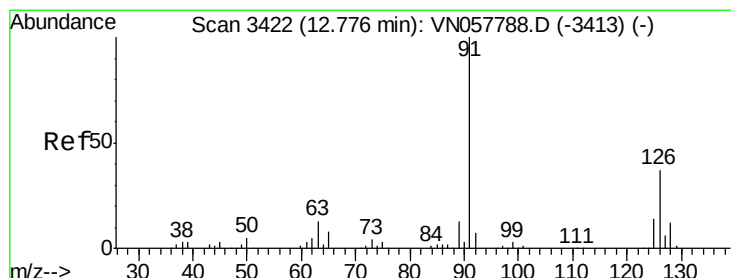
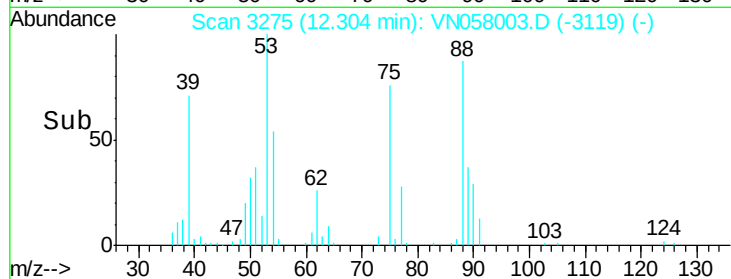
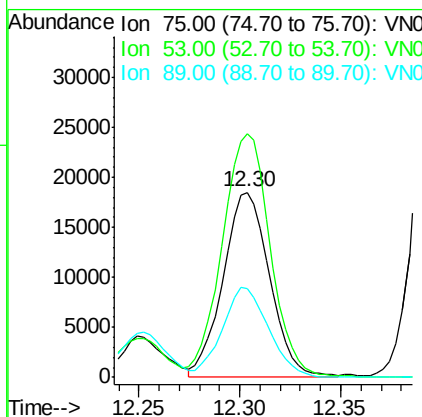
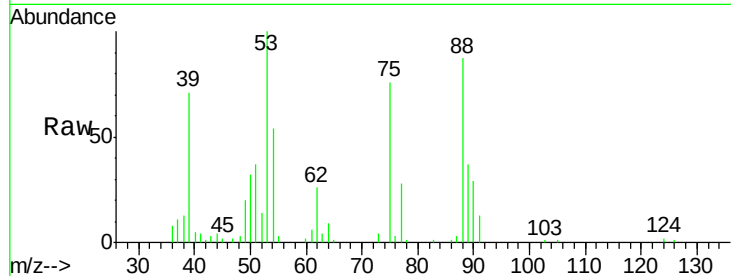
#77
t-1,4-Dichloro-2-butene
Concen: 15.212 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	132.3	62.7	188.2
89	48.9	22.8	68.3

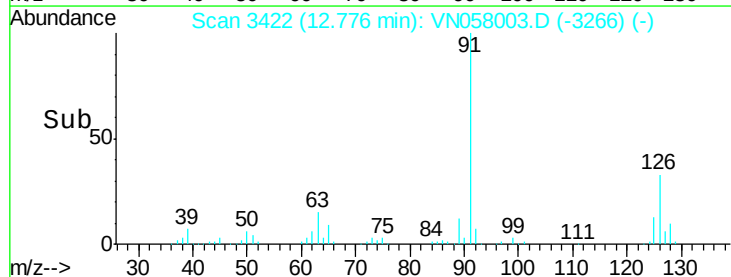
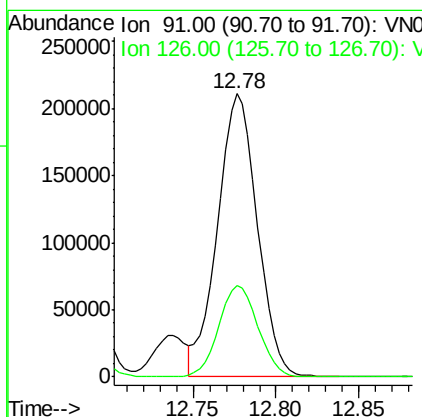
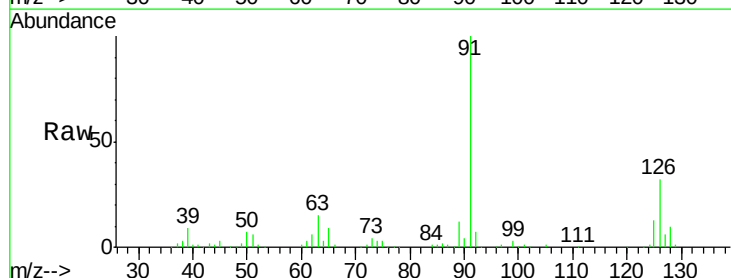
Manual Integrations
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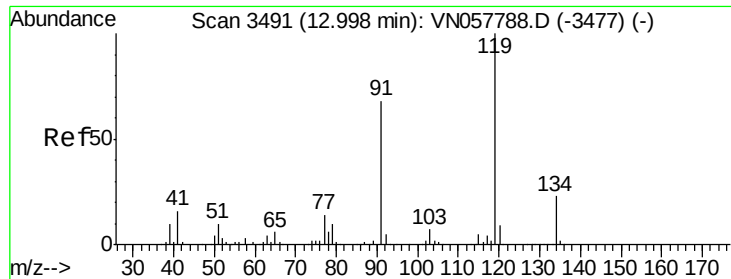
MMDadoda
9/16/2019 1:48:28 PM



#78
4-Chlorotoluene
Concen: 20.247 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	0.0	65.2





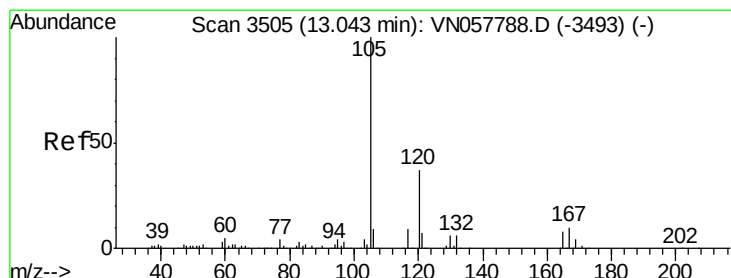
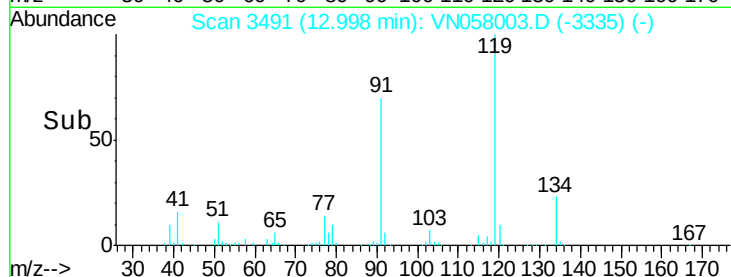
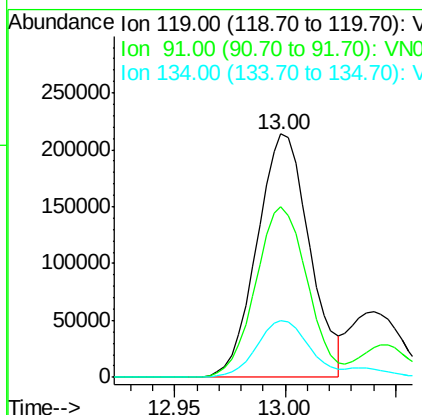
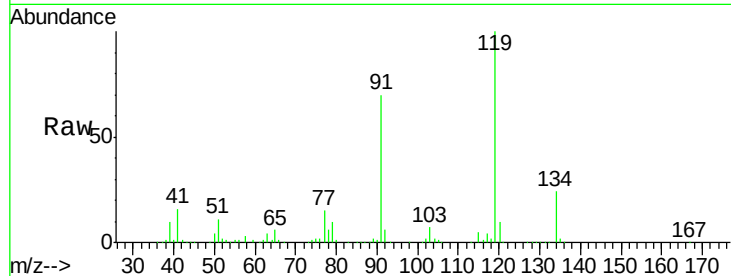
#79
tert-butylbenzene
Concen: 19.811 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	352086		
91	69.5	0.0	133.8	
134	23.6	0.0	46.4	

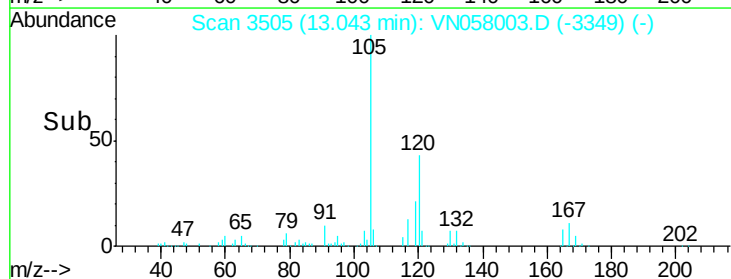
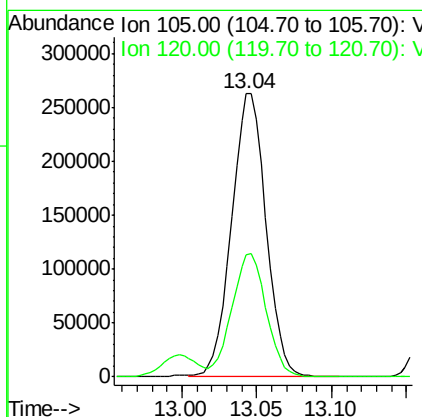
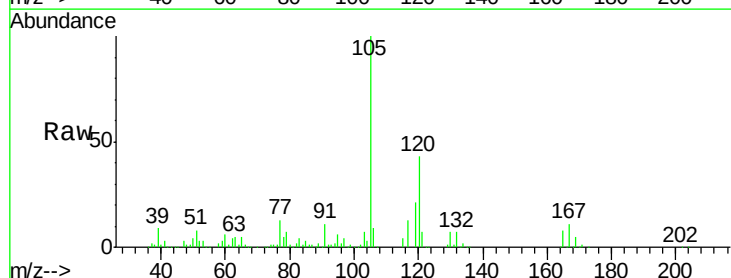
Manual Integrations
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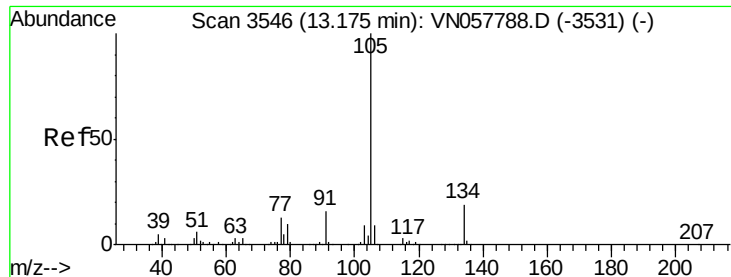
MMDadoda
9/16/2019 1:48:28 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.643 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058003.D
Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	419016		
120	43.3	0.0	87.8	





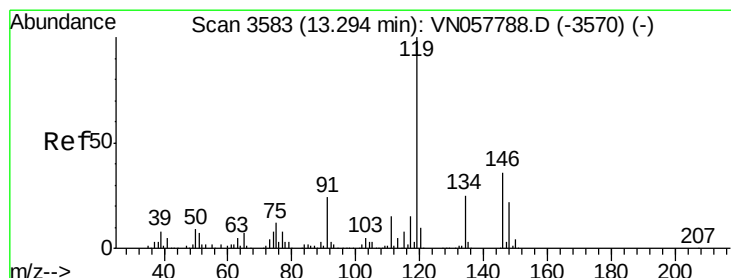
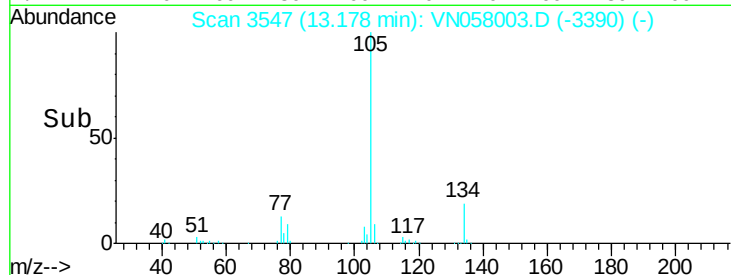
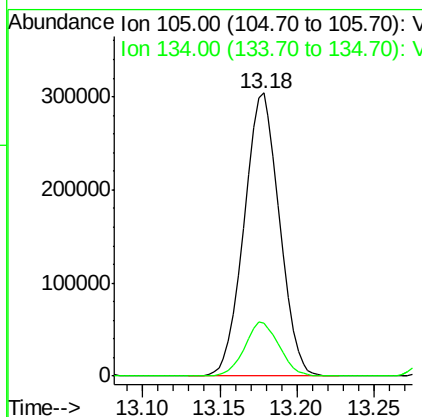
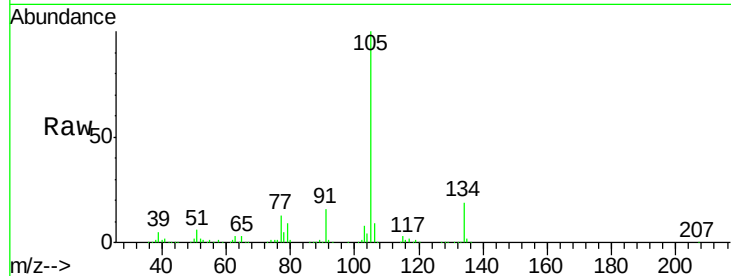
#81
 sec-Butylbenzene
 Concen: 20.472 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	482736		
134	18.8	0.0	37.6	

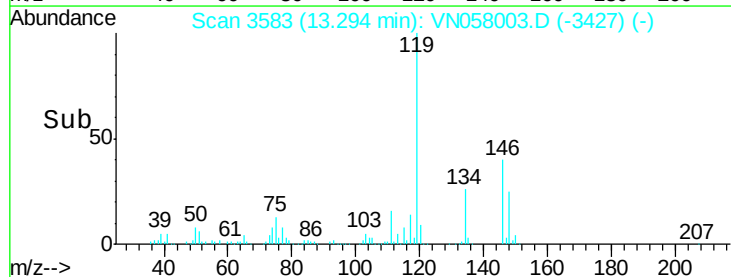
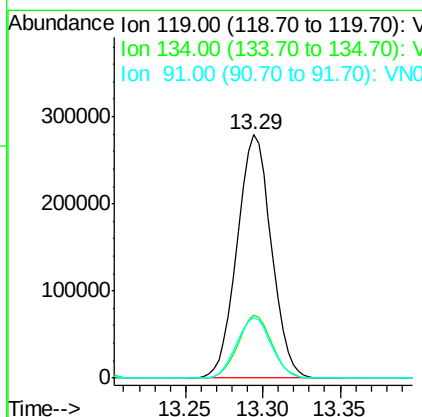
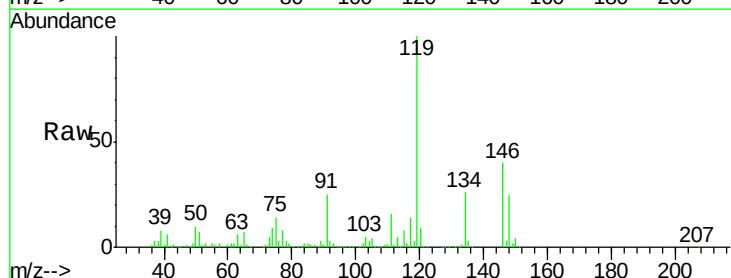
Manual Integrations
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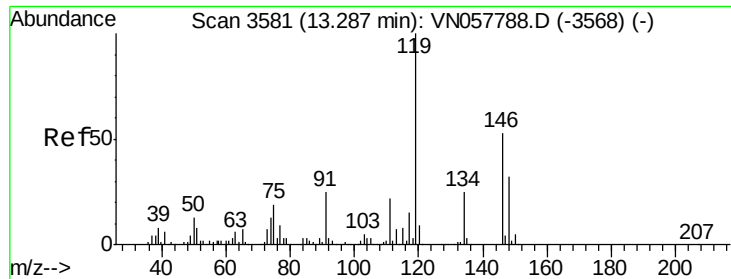
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 9/16/2019 1:48:28 PM



#82
 p-Isopropyltoluene
 Concen: 20.365 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	430051		
134	25.4	0.0	50.4	
91	25.1	0.0	48.8	





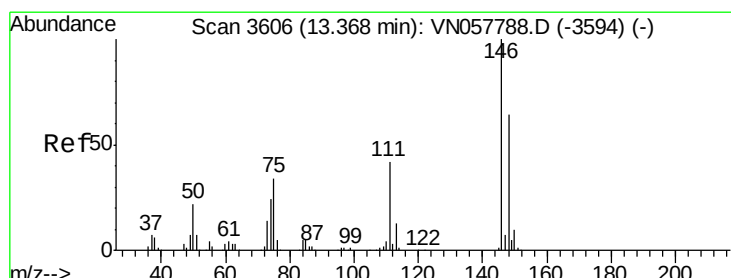
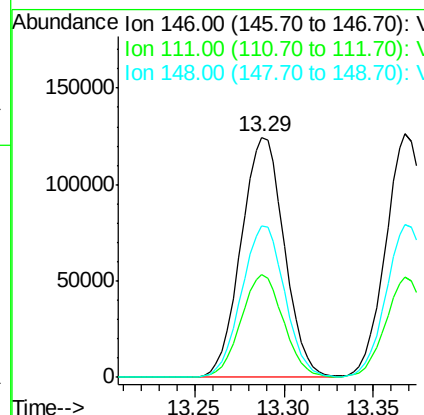
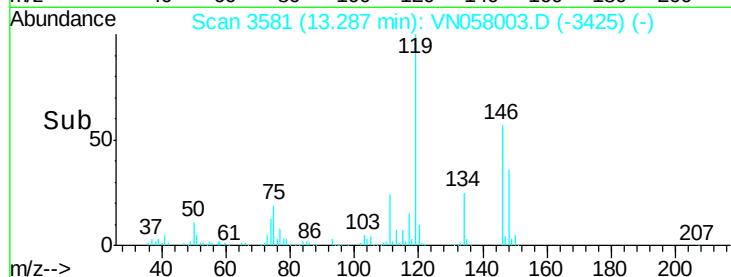
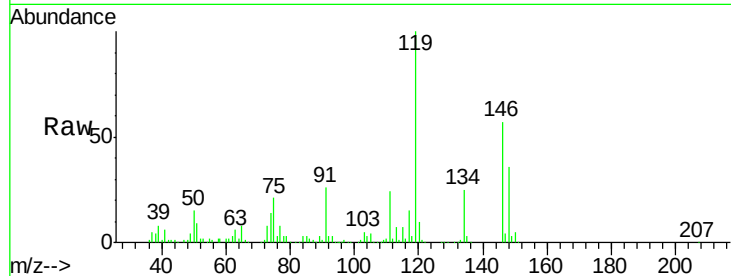
#83
 1,3-Dichlorobenzene
 Concen: 19.792 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	210713		
111	42.0	20.7	62.1	
148	63.0	30.9	92.5	

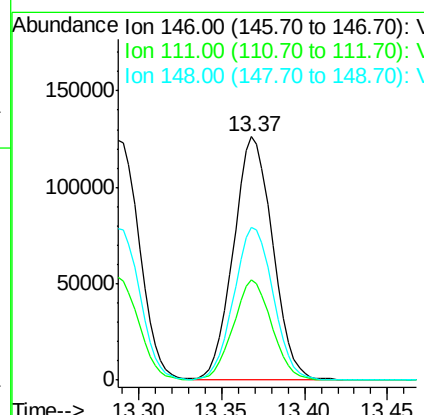
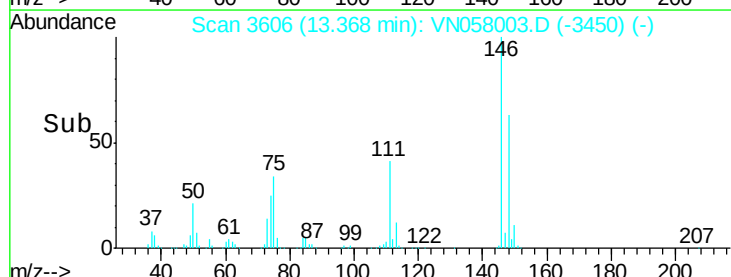
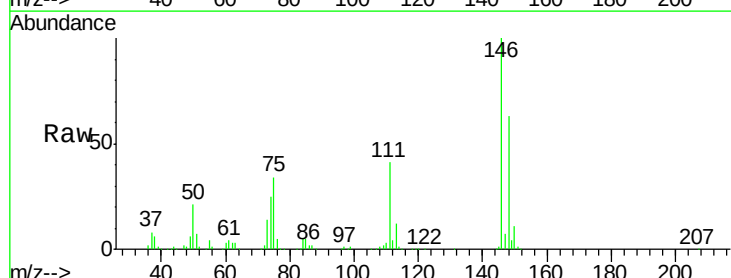
Manual Integrations
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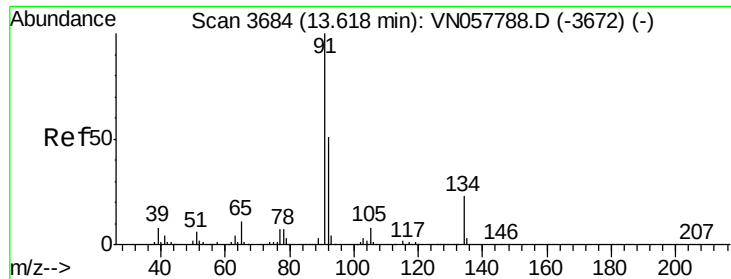
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 19.727 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	206765		
111	40.4	21.1	63.4	
148	63.1	31.7	95.1	





#85

n-Butylbenzene

Concen: 19.938 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

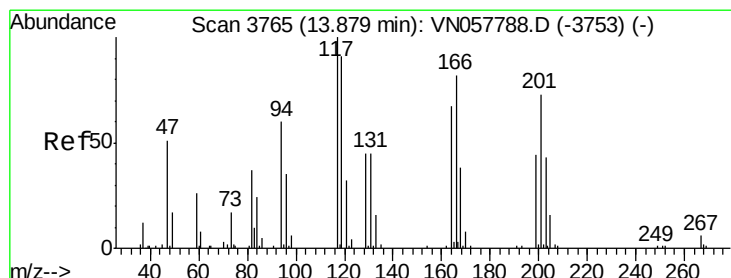
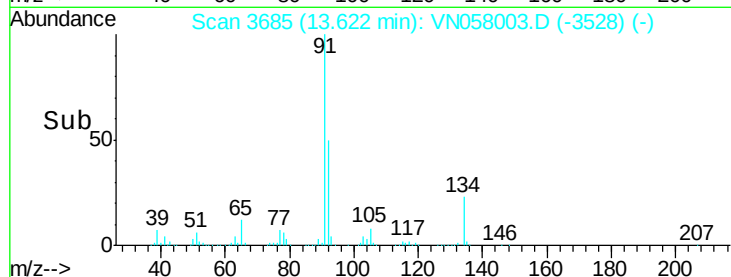
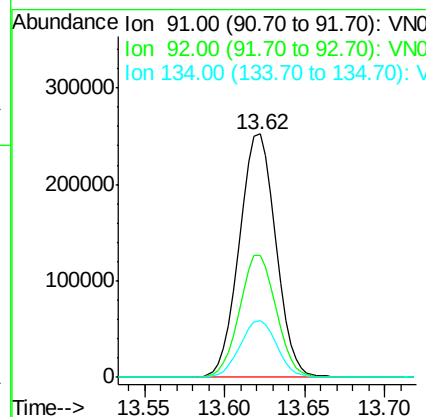
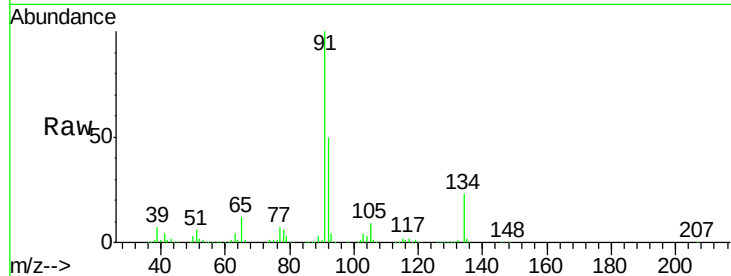
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	392396
Ion Ratio	Lower	Upper	
91	100		
92	50.4	0.0	100.0
134	23.5	0.0	46.6

Manual Integrations
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#86

Hexachloroethane

Concen: 17.077 ug/l

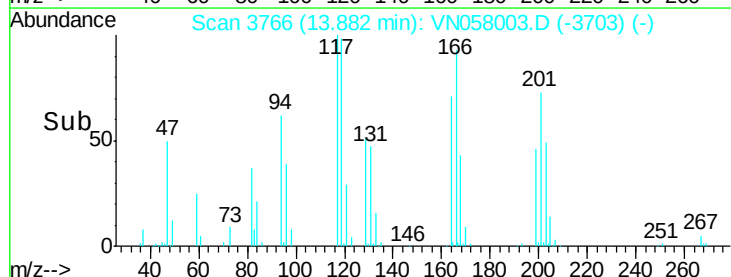
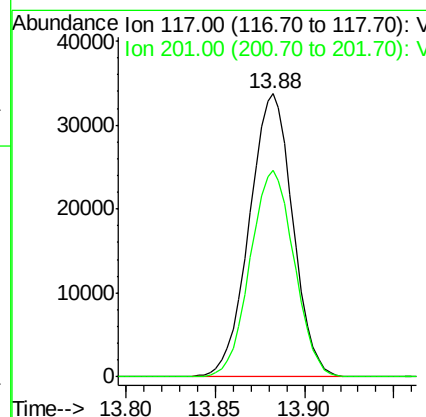
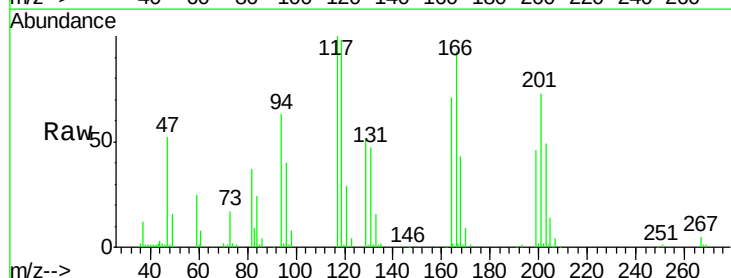
RT: 13.88 min Scan# 3766

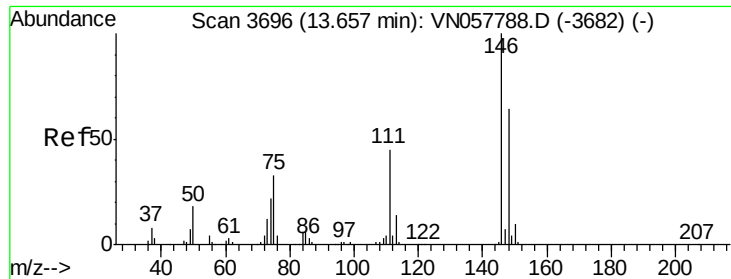
Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Tgt Ion:	117	Resp:	57442
Ion Ratio	Lower	Upper	
117	100		
201	73.8	36.7	110.1





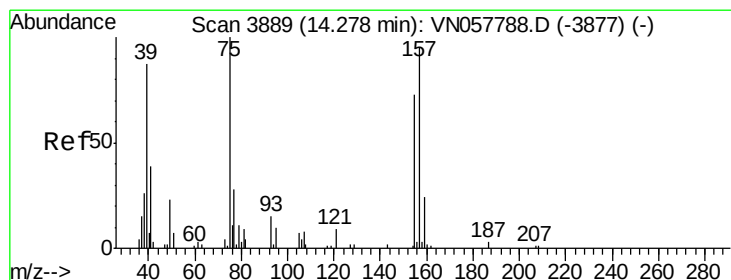
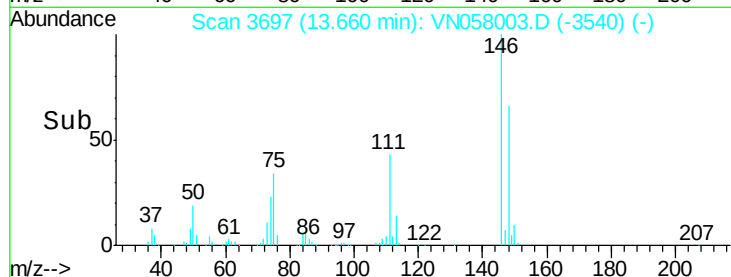
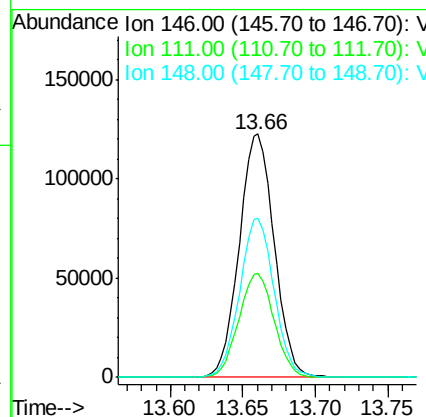
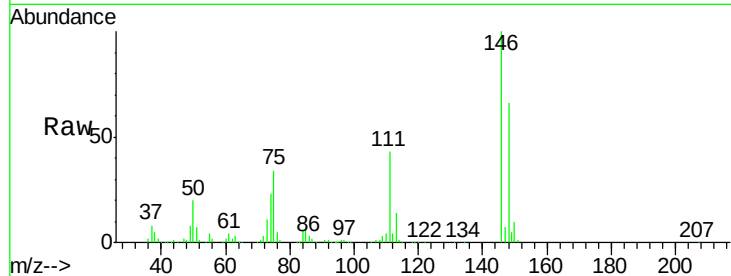
#87
 1,2-Dichlorobenzene
 Concen: 19.909 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	205748		
111	43.1	22.2	66.6	
148	64.3	32.1	96.3	

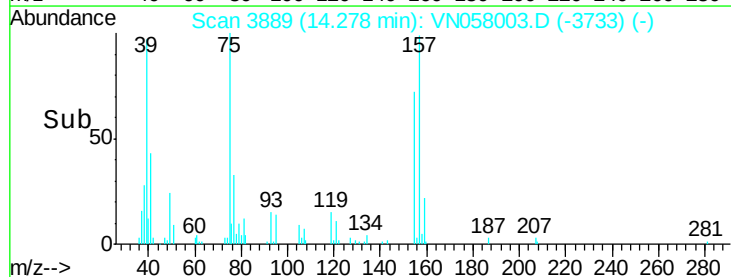
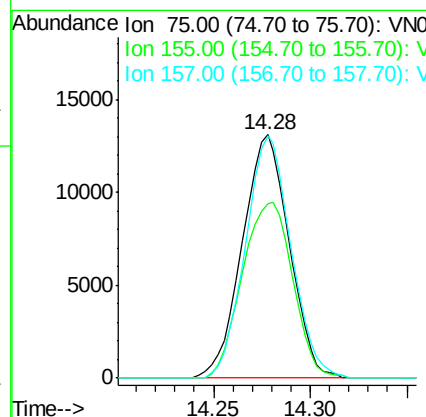
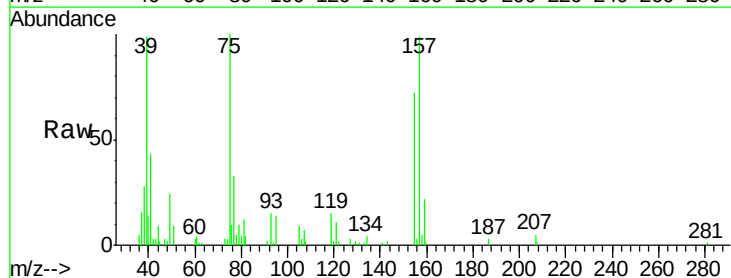
Manual Integrations
 APPROVED

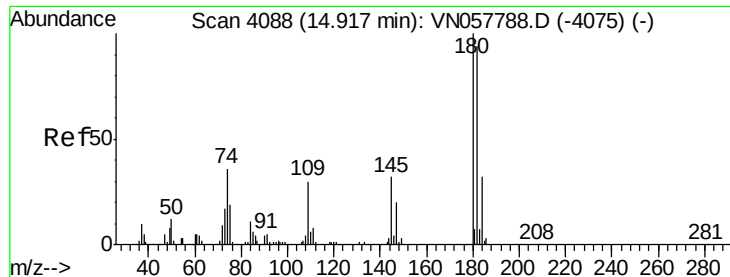
MMDadoda
 9/16/2019 1:48:28 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.807 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22126		
155	77.4	59.4	89.2	
157	96.8	74.6	112.0	





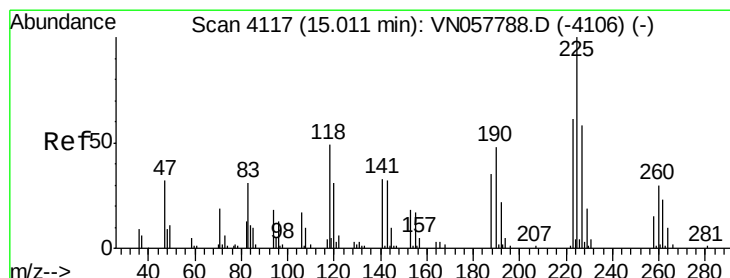
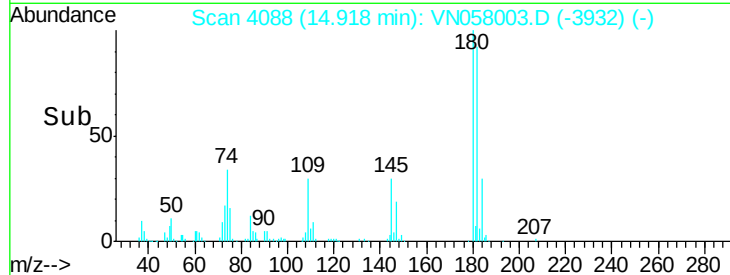
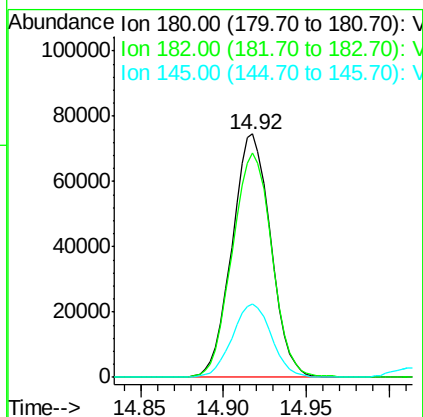
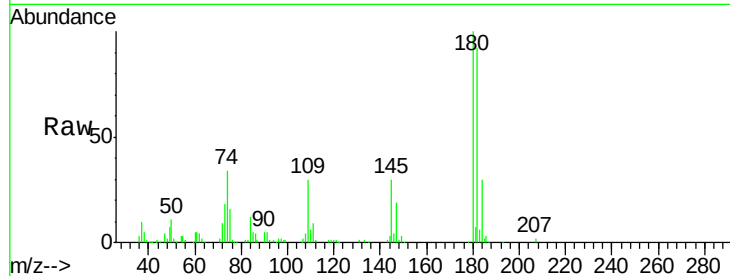
#89
 1,2,4-Trichlorobenzene
 Concen: 19.152 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120904		
182	94.7	77.0	115.4	
145	30.6	26.1	39.1	

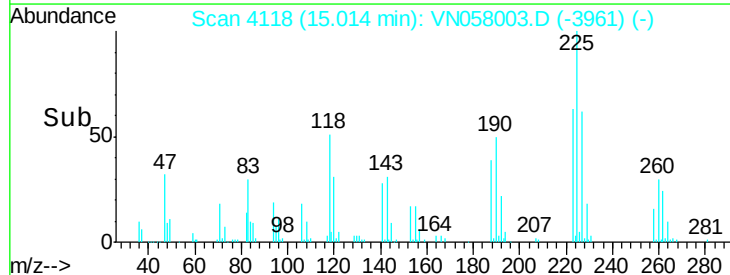
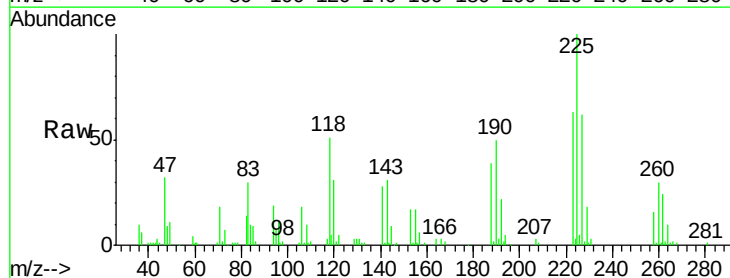
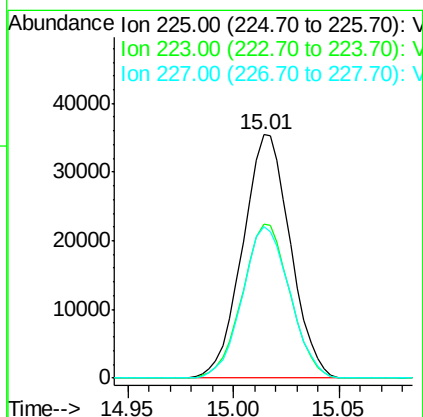
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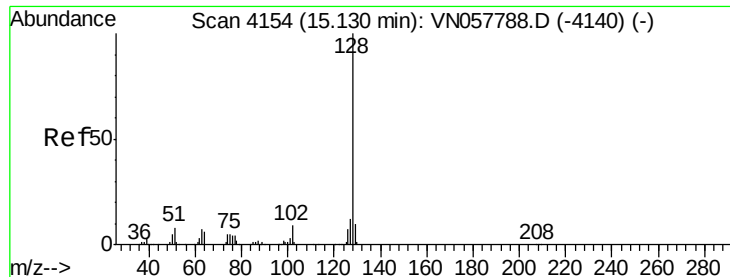
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#90
 Hexachlorobutadiene
 Concen: 19.239 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058003.D
 Acq: 13 Sep 2019 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55778		
223	62.9	0.0	125.0	
227	61.9	0.0	123.8	





#91

Naphthalene

Concen: 18.169 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Instrument :

MSVOA_N

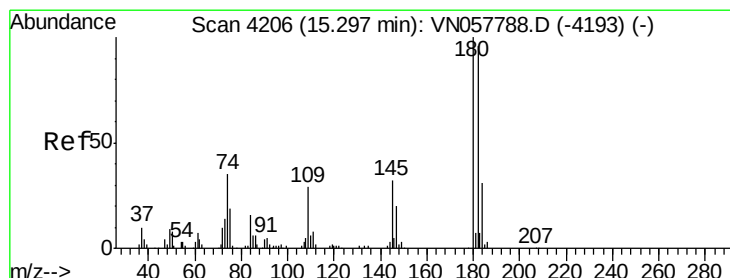
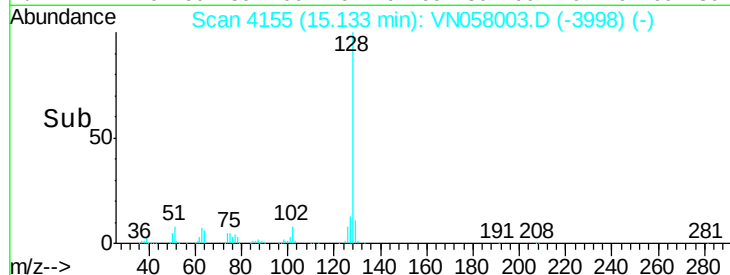
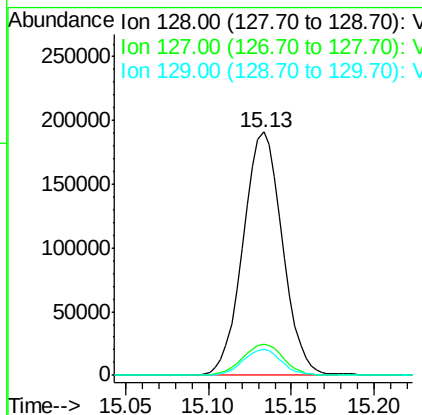
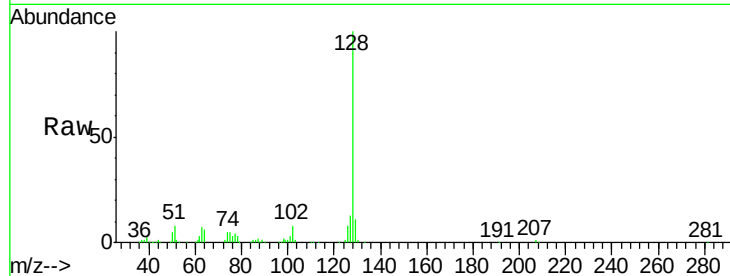
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	315598
Ion Ratio	Lower	Upper	
128	100		
127	13.4	9.9	14.9
129	10.5	8.1	12.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 19.358 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058003.D

Acq: 13 Sep 2019 9:12

Tgt Ion:	180	Resp:	116543
Ion Ratio	Lower	Upper	
180	100		
182	94.9	0.0	189.8
145	31.2	0.0	65.0

