

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082719\
 Data File : VN057545.D
 Acq On : 27 Aug 2019 10:44
 Operator : JC/SP
 Sample : VN0827WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0827WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 4:26:39 PM

Quant Time: Aug 27 11:13:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	63626	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	366811	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	322095	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	187918	30.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.13%
60) 4-Bromofluorobenzene	12.40	95	149421	28.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.77%
63) Toluene-d8	10.09	98	494626	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	68657	20.627	ug/l 96
3) Chloromethane	2.05	50	105614	21.130	ug/l 97
4) Vinyl Chloride	2.17	62	136081	21.430	ug/l 100
5) Bromomethane	2.55	94	81325	19.797	ug/l 95
6) Chloroethane	2.69	64	87896	20.665	ug/l 98
7) Trichlorofluoromethane	3.00	101	207567	20.551	ug/l 94
8) Diethyl Ether	3.39	74	77816	20.056	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	77008	13.538	ug/l 99
10) 1,1-Dichloroethene	3.70	96	90396	16.460	ug/l 96
11) Methyl Iodide	3.92	142	84590	17.135	ug/l 98
12) Methyl Acetate	4.30	43	112139	20.270	ug/l 94
13) Acrolein	3.58	56	63426	90.146	ug/l 98
14) Acrylonitrile	4.97	53	197238	102.625	ug/l 97
15) Acetone	3.79	58	56873	63.257	ug/l 97
16) Carbon Disulfide	4.02	76	187085	19.125	ug/l 99
17) Allyl chloride	4.29	41	151580	20.232	ug/l 98
18) Methylene Chloride	4.53	84	86887	21.573	ug/l 98
19) trans-1,2-Dichloroethene	5.01	96	78825	20.783	ug/l 97
20) Diisopropyl ether	5.93	45	325481	20.349	ug/l 98
21) 1,1-Dichloroethane	5.82	63	177302	21.332	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	97871	21.216	ug/l 96
23) tert-Butyl Alcohol	4.79	59	66455	95.188	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	271564	21.403	ug/l 100
25) Chloroform	7.36	83	171558	20.790	ug/l 97
26) Cyclohexane	7.63	56	149694	20.226	ug/l # 99
29) 1,1-Dichloropropene	7.78	75	123518	19.813	ug/l 99
30) 2-Butanone	6.82	43	286947	95.737	ug/l 97
31) 2,2-Dichloropropane	6.80	77	142387	19.991	ug/l 99
32) 1,1,1-Trichloroethane	7.56	97	143305	20.108	ug/l 97
33) Carbon Tetrachloride	7.76	117	111858	18.902	ug/l 95
34) Benzene	8.03	78	382269	20.852	ug/l 99
35) Methacrylonitrile	7.15	41	65448	21.576	ug/l 94
36) 1,2-Dichloroethane	8.11	62	148984	20.731	ug/l # 88
37) Trichloroethene	8.82	130	82994	19.843	ug/l 93
38) Methylcyclohexane	9.07	83	146264	20.903	ug/l 97
39) 1,2-Dichloropropane	9.11	63	106627	20.456	ug/l 94
40) Dibromomethane	9.20	93	65730	20.633	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	132505	19.611	ug/l	99
42) Vinyl Acetate	5.87	43	1289840	96.164	ug/l	99
43) Ethyl Acetate	6.91	43	121137	20.763	ug/l	98
44) Isopropyl Acetate	8.16	43	213335	19.156	ug/l #	93
45) 1,4-Dioxane	9.19	88	26210	391.533	ug/l	98
46) Methyl methacrylate	9.19	41	99485	18.810	ug/l	99
47) n-amyl Acetate	12.07	43	163508	18.242	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	128829	18.049	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	151719	19.340	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	83214	19.921	ug/l	97
51) Ethyl methacrylate	10.43	69	132182	19.035	ug/l	97
52) 1,3-Dichloropropane	10.70	76	153690	20.180	ug/l	100
53) Dibromochloromethane	10.90	129	83028	18.644	ug/l	100
54) 1,2-Dibromoethane	11.00	107	82681	19.344	ug/l	94
55) 2-Chloroethyl vinyl ether	9.69	63	183094	106.965	ug/l	98
56) Bromoform	12.13	173	46317	17.427	ug/l #	96
58) 4-Methyl-2-Pentanone	9.98	43	606079	95.918	ug/l	99
59) 2-Hexanone	10.75	43	418949	95.656	ug/l	99
61) Tetrachloroethene	10.63	164	76432	20.692	ug/l	94
62) Toluene	10.15	91	399047	20.271	ug/l	99
64) Chlorobenzene	11.43	112	215403	20.127	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	79778	19.615	ug/l	97
66) Ethyl Benzene	11.51	91	418430	19.861	ug/l	99
67) m/p-Xylenes	11.62	106	290546	39.761	ug/l	99
68) o-Xylene	11.95	106	142980	19.799	ug/l	96
69) Styrene	11.96	104	227308	19.704	ug/l	98
70) Isopropylbenzene	12.25	105	389506	20.163	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	112935	20.215	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	100739m	19.864	ug/l	
73) Bromobenzene	12.53	156	78513	20.079	ug/l	94
74) n-propylbenzene	12.59	91	428216	19.439	ug/l	99
75) 2-Chlorotoluene	12.67	91	257632	19.859	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	309592	19.527	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	28866	15.872	ug/l	96
78) 4-Chlorotoluene	12.77	91	241735	19.720	ug/l	99
79) tert-butylbenzene	12.99	119	273945	20.306	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	290290	19.640	ug/l	99
81) sec-Butylbenzene	13.17	105	348097	19.581	ug/l	97
82) p-Isopropyltoluene	13.29	119	285375	19.094	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	115543	18.981	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	108513	18.324	ug/l	97
85) n-Butylbenzene	13.62	91	234154	17.971	ug/l	98
86) Hexachloroethane	13.88	117	52156	17.295	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	117504	19.656	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15540	16.575	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	29790	13.299	ug/l	95
90) Hexachlorobutadiene	15.01	225	34497	20.031	ug/l	95
91) Naphthalene	15.13	128	95981	18.628	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	28381	12.670	ug/l	96

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

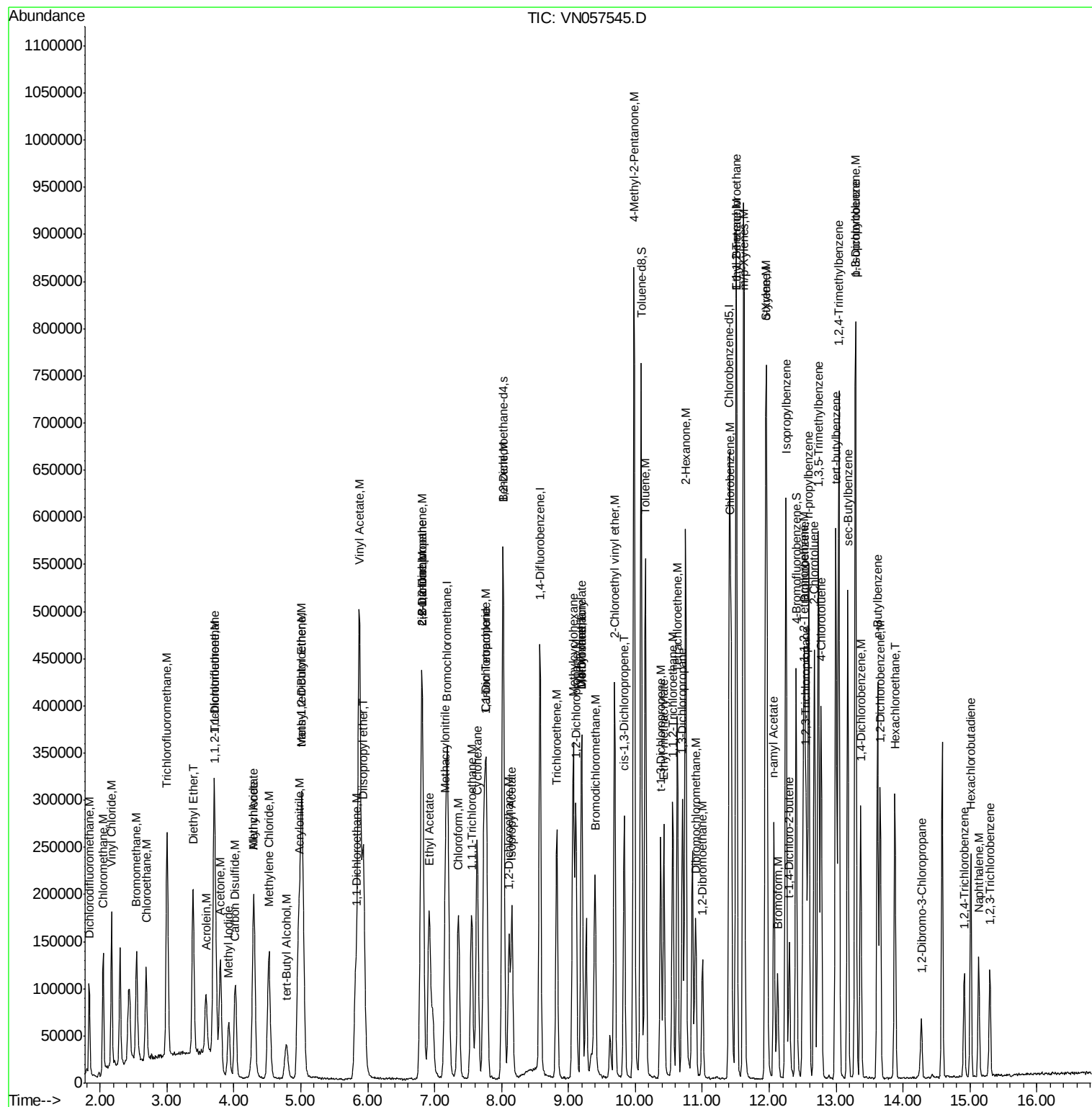
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Data File : VN057545.D
Acq On : 27 Aug 2019 10:44
Operator : JC/SP
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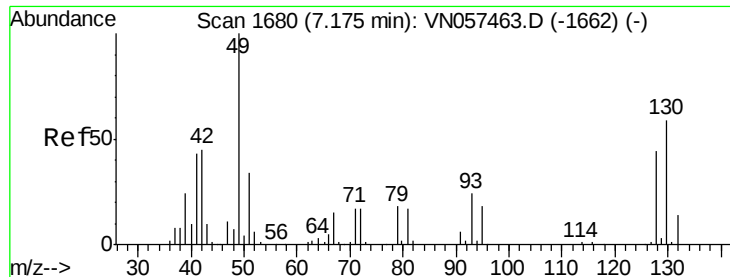
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Manual Integrations
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8/28/2019 4:26:39 PM

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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: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

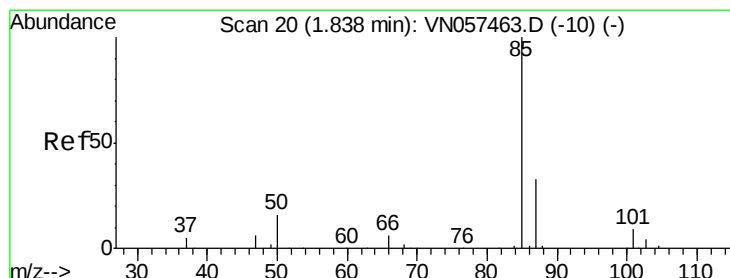
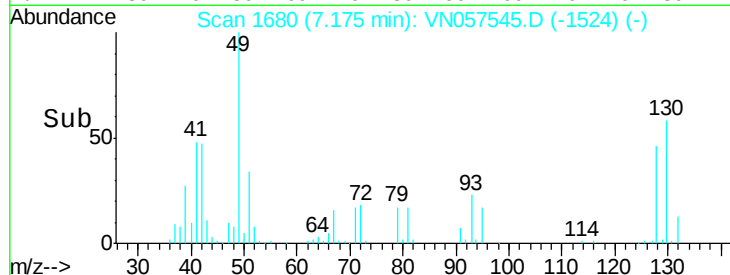
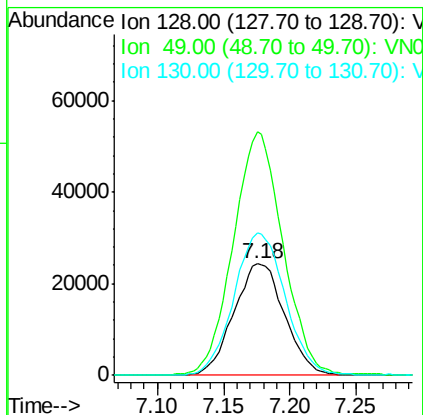
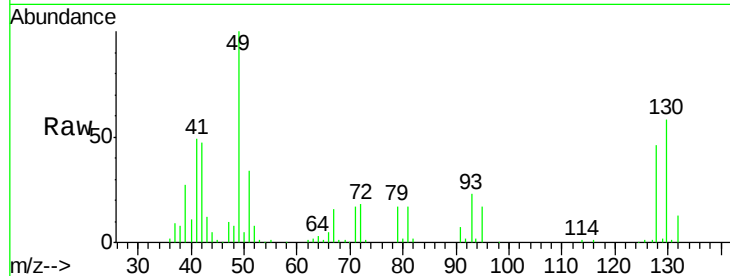
ClientSampleId :

VN0827WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	217.8	0.0	560.5
130	131.9	0.0	317.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.627 ug/l

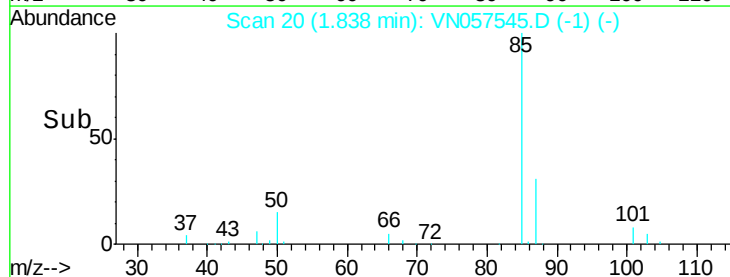
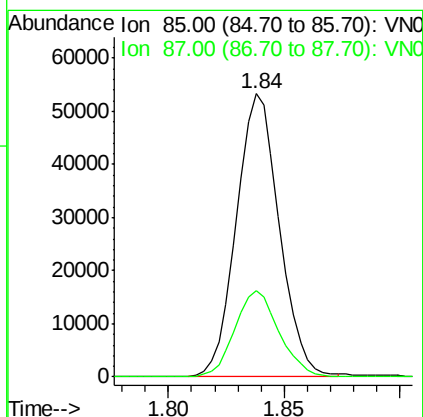
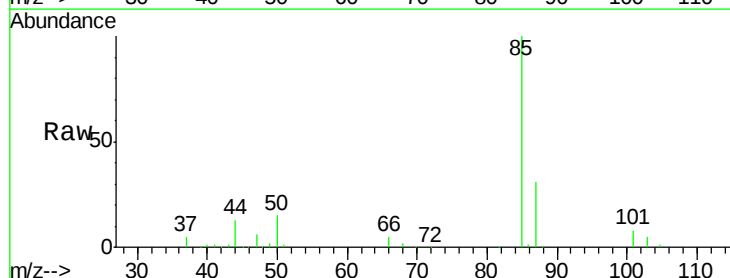
RT: 1.84 min Scan# 20

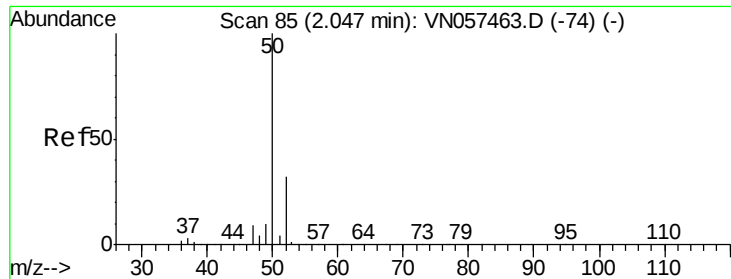
Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.4	49.1





#3

Chloromethane

Concen: 21.130 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion: 50 Resp: 105614

Ion Ratio Lower Upper

50 100

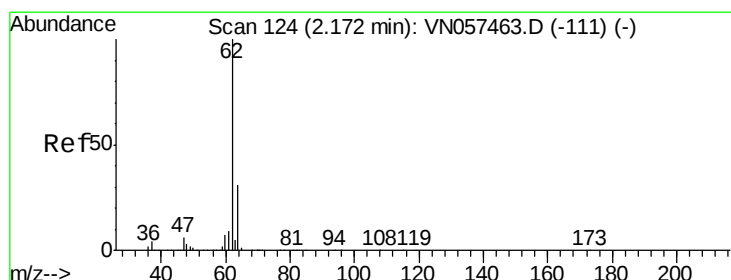
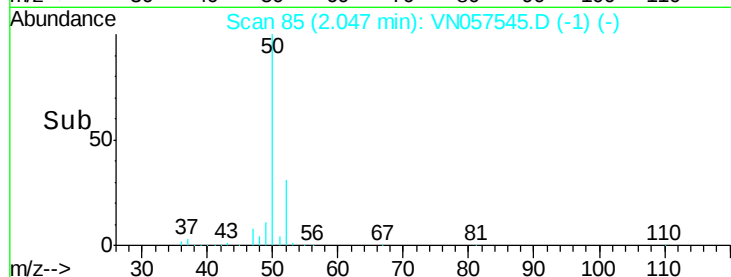
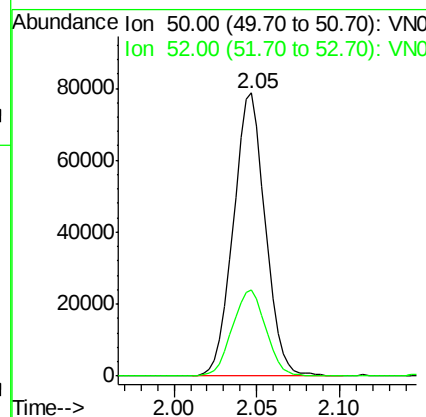
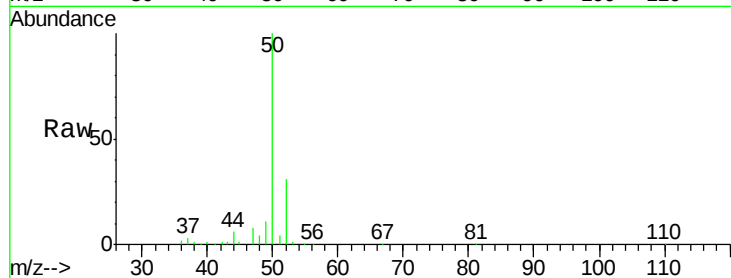
52 30.6 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.430 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057545.D

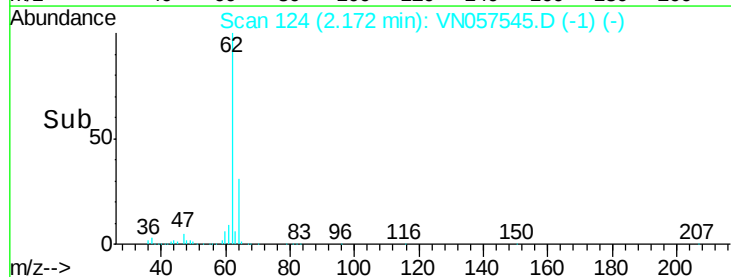
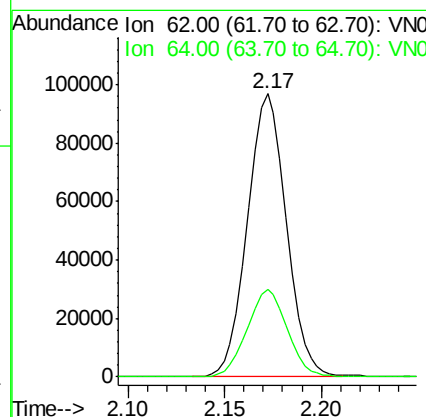
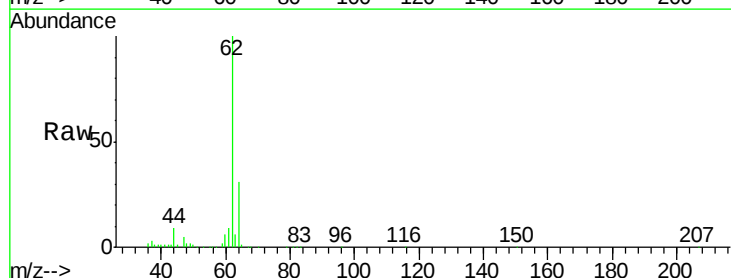
Acq: 27 Aug 2019 10:44

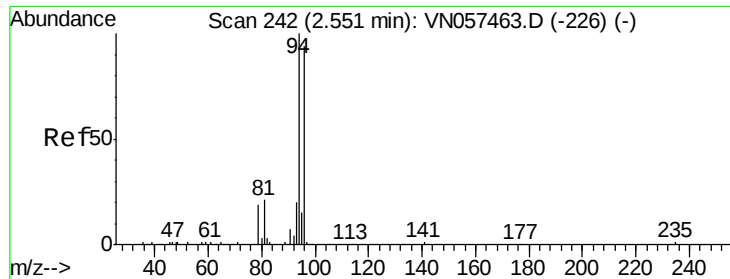
Tgt Ion: 62 Resp: 136081

Ion Ratio Lower Upper

62 100

64 30.9 24.8 37.2





#5

Bromomethane

Concen: 19.797 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion: 94 Resp: 81325

Ion Ratio Lower Upper

94 100

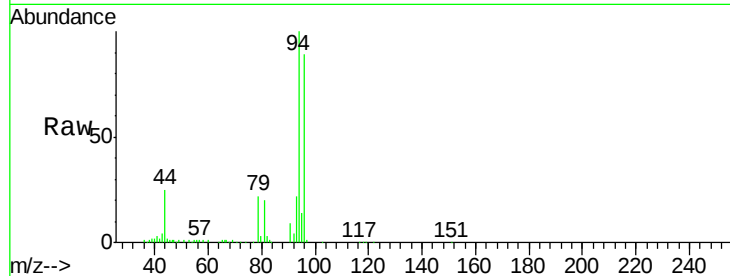
96 88.9 74.8 112.2

Manual Integrations

APPROVED

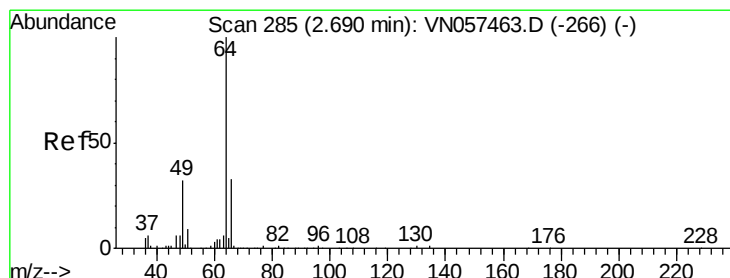
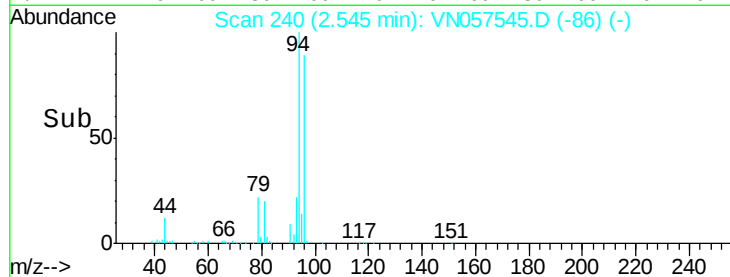
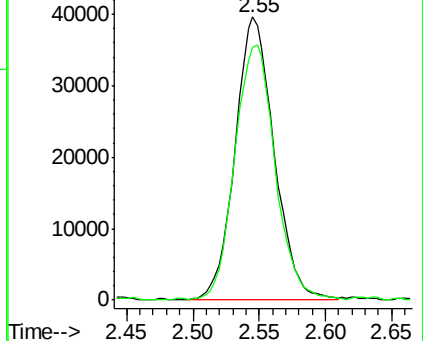
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.665 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057545.D

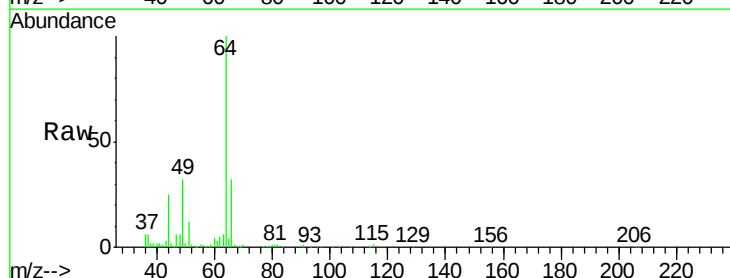
Acq: 27 Aug 2019 10:44

Tgt Ion: 64 Resp: 87896

Ion Ratio Lower Upper

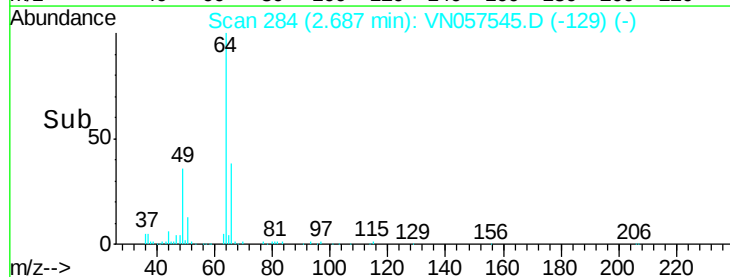
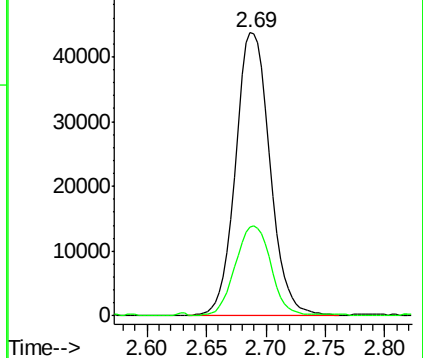
64 100

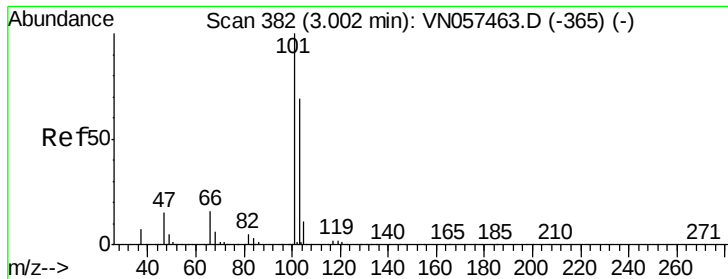
66 31.6 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

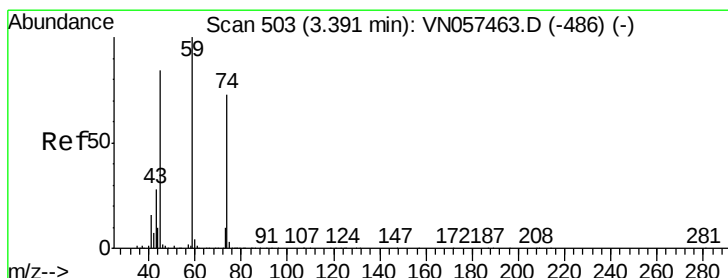
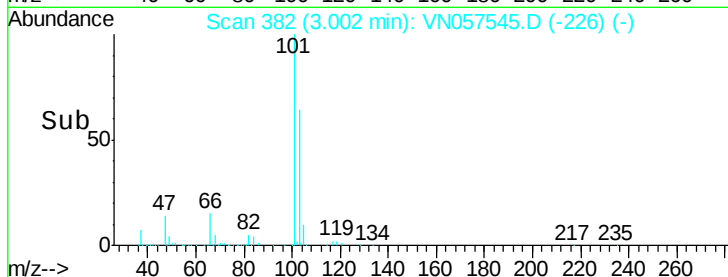
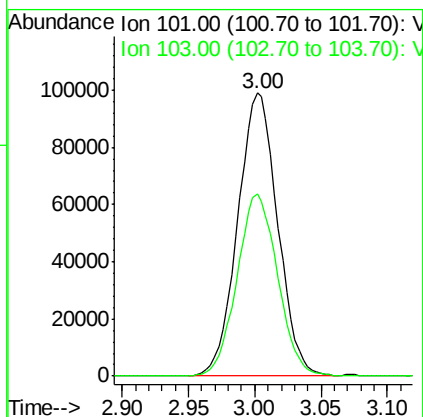
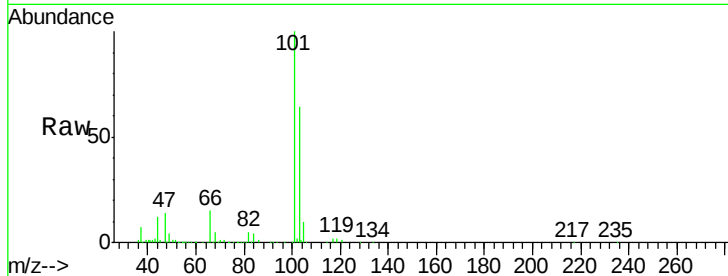
Trichlorofluoromethane
Concen: 20.551 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	207567		
103	64.1	55.0	82.4	

Manual Integrations
APPROVED

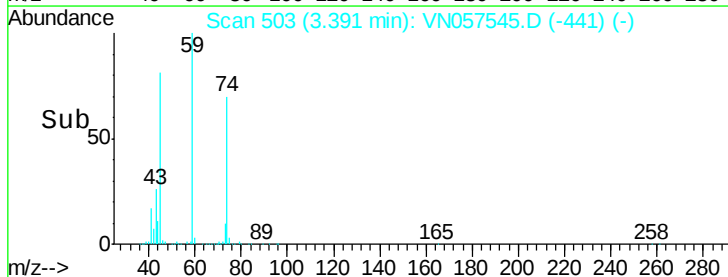
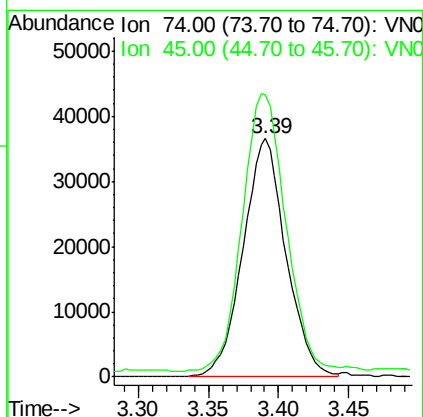
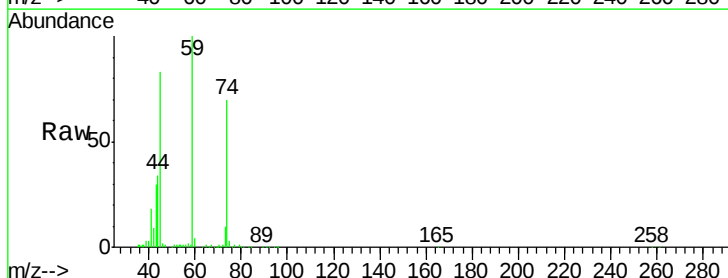
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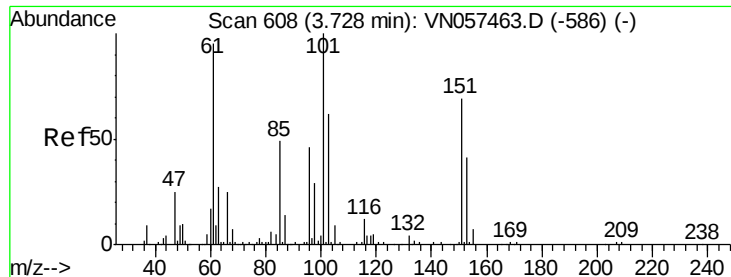


#8

Diethyl Ether
Concen: 20.056 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	77816		
45	116.6	23.2	209.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.538 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

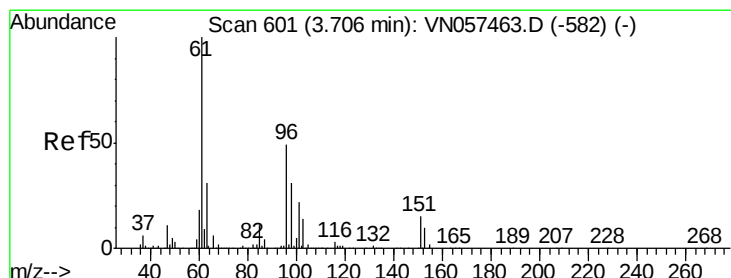
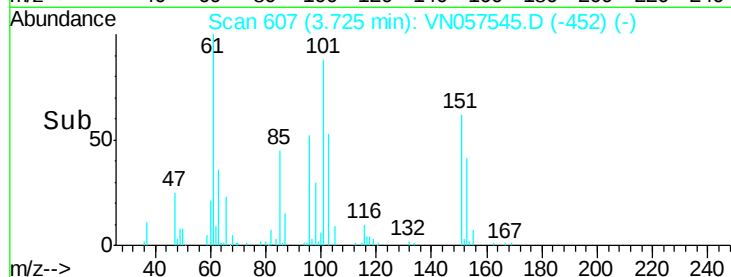
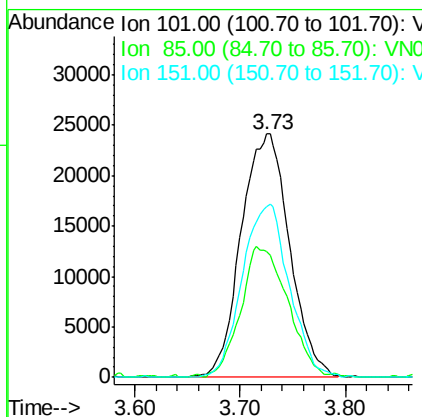
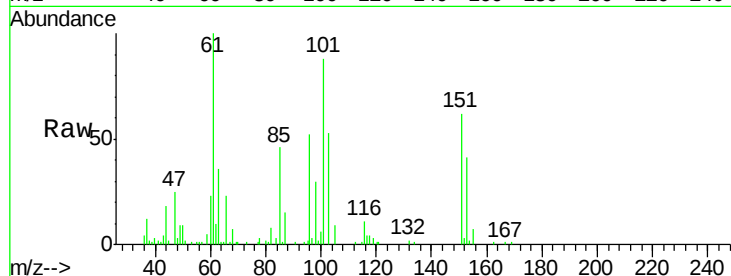
ClientSampleId :

VN0827WBS01

Tot Ion:	101	Resp:	77008
Ion Ratio	Lower	Upper	
101	100		
85	51.9	0.0	101.6
151	69.0	0.0	139.4

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#10

1,1-Dichloroethene

Concen: 16.460 ug/l

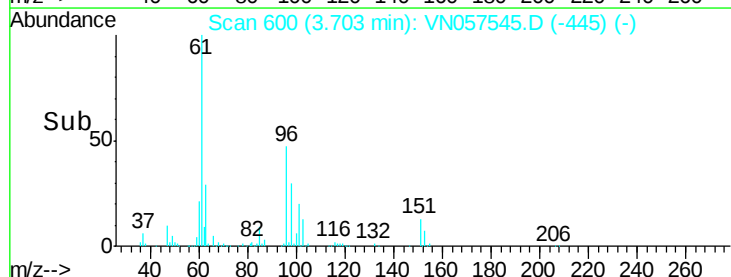
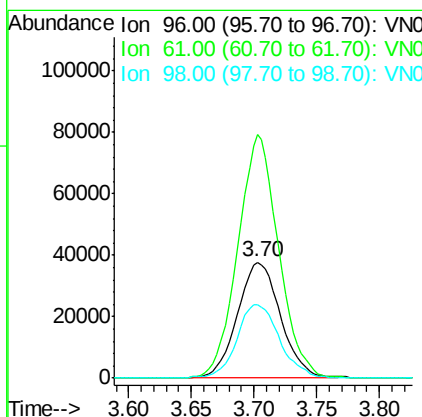
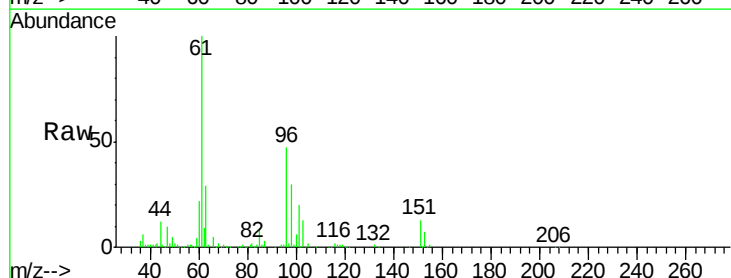
RT: 3.70 min Scan# 600

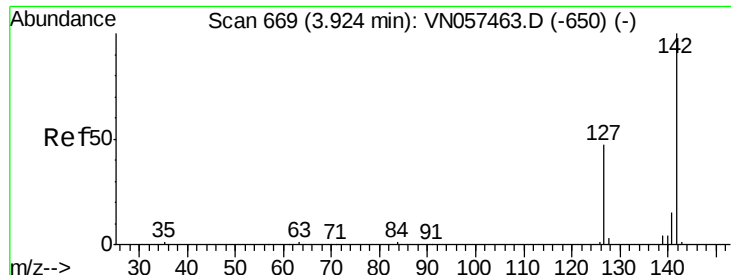
Delta R.T. -0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Tgt Ion:	96	Resp:	90396
Ion Ratio	Lower	Upper	
96	100		
61	209.9	162.6	244.0
98	62.4	51.1	76.7





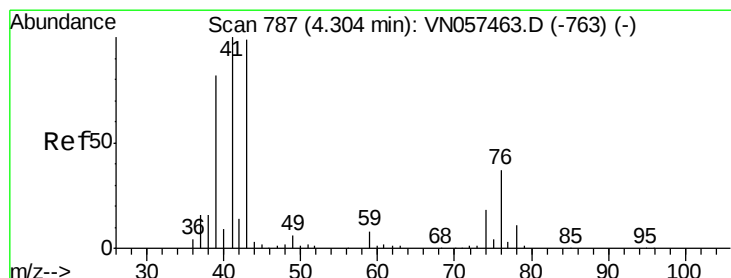
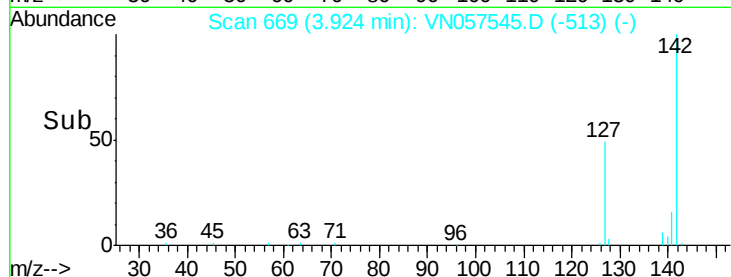
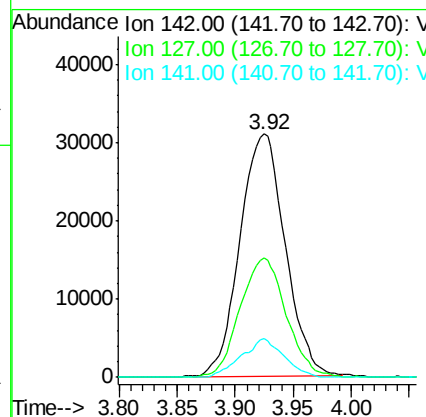
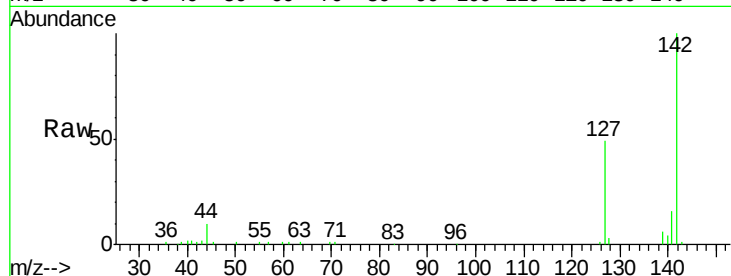
#11
Methyl Iodide
Concen: 17.135 ug/l
RT: 3.92 min Scan# 669
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.3	24.0	72.0
141	15.4	7.0	21.1

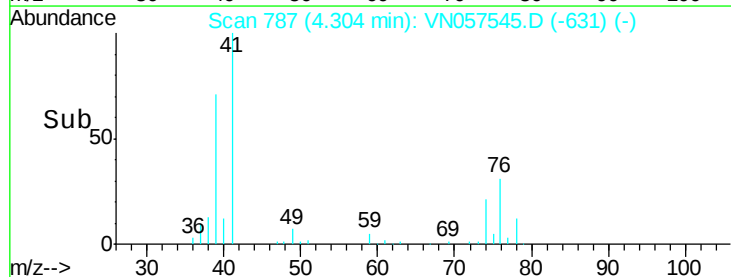
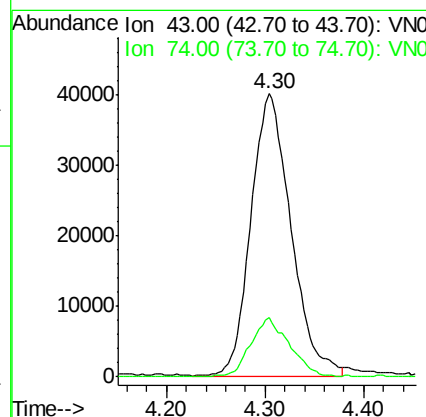
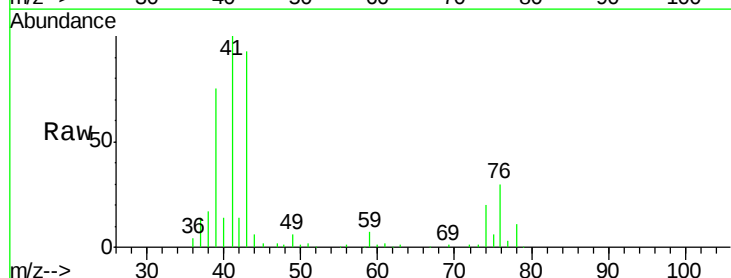
Manual Integrations
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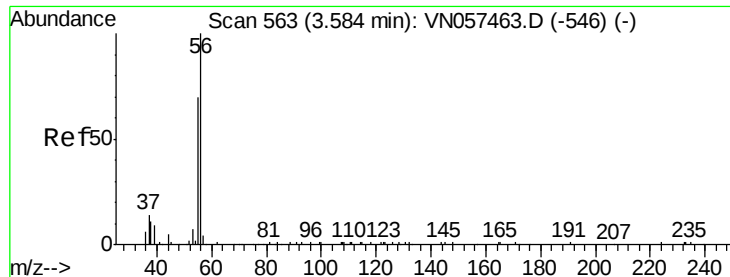
MMDadoda
8/28/2019 4:26:39 PM



#12
Methyl Acetate
Concen: 20.270 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	14.6	22.0





#13

Acrolein

Concen: 90.146 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion: 56 Resp: 63426

Ion Ratio Lower Upper

56 100

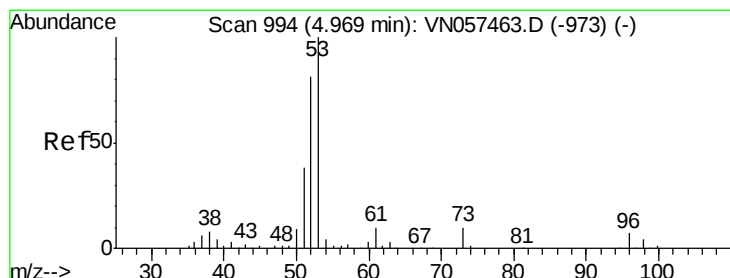
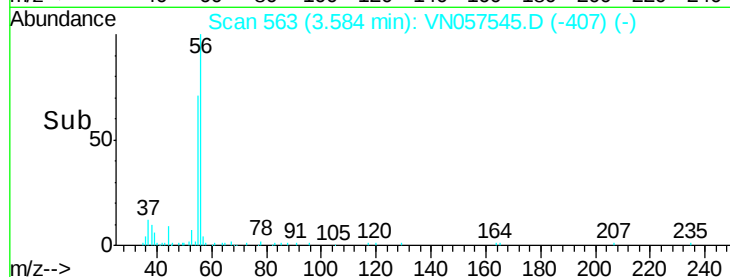
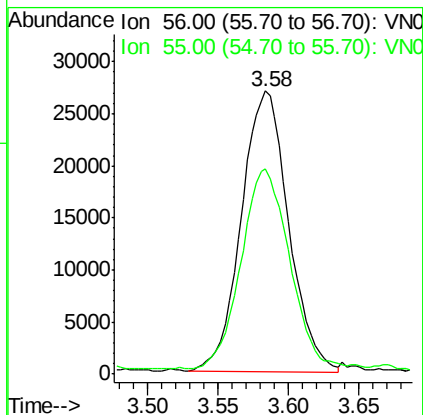
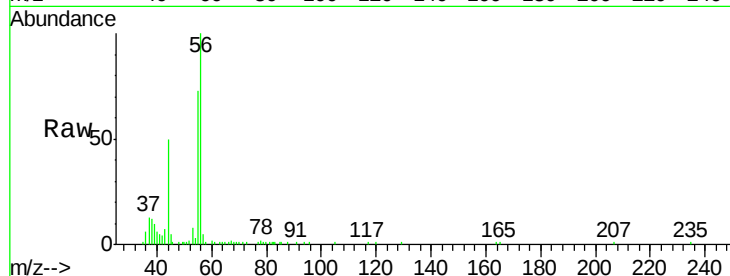
55 72.7 56.7 85.1

Manual Integrations

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#14

Acrylonitrile

Concen: 102.625 ug/l

RT: 4.97 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

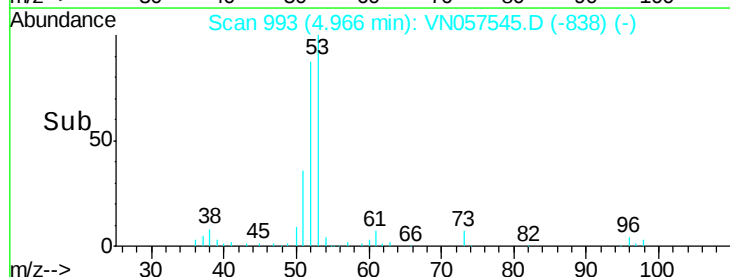
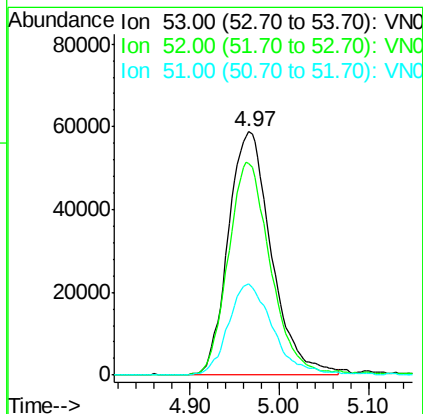
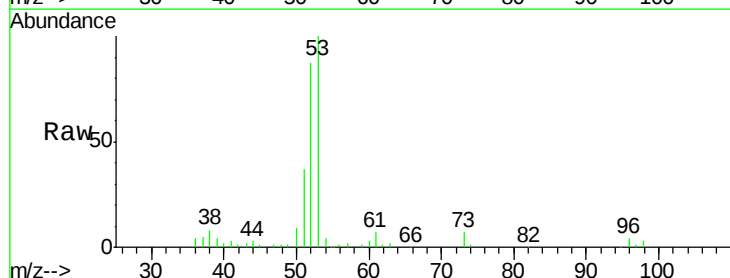
Tgt Ion: 53 Resp: 197238

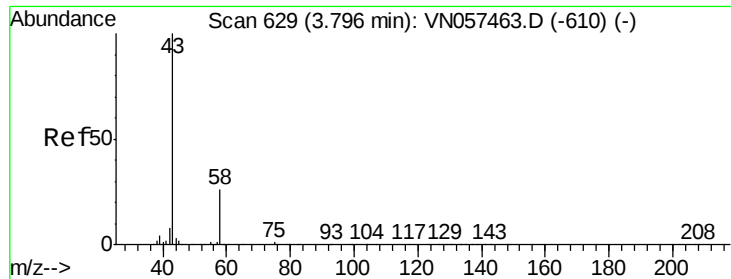
Ion Ratio Lower Upper

53 100

52 85.4 41.3 123.9

51 38.4 18.3 54.9





#15

Acetone

Concen: 63.257 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion: 58 Resp: 56873

Ion Ratio Lower Upper

58 100

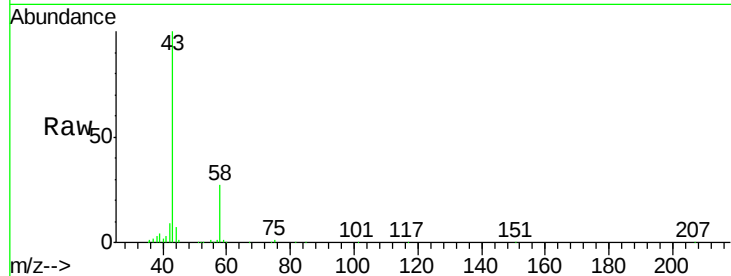
43 372.5 304.4 456.6

Manual Integrations

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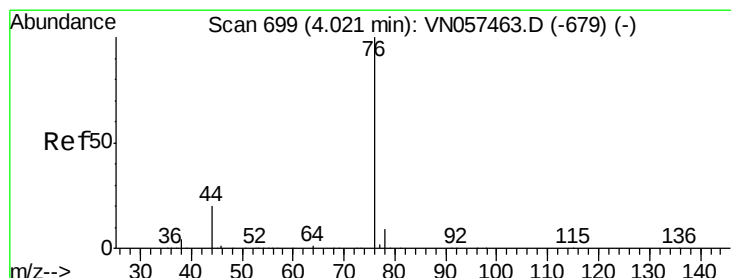
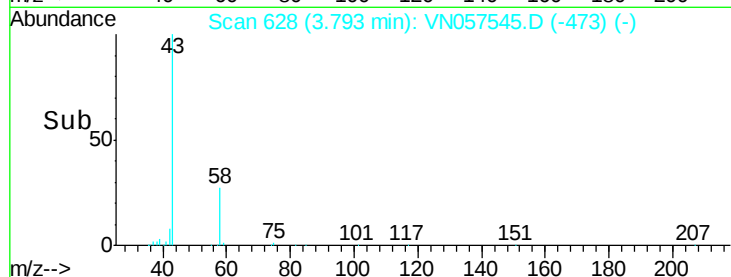
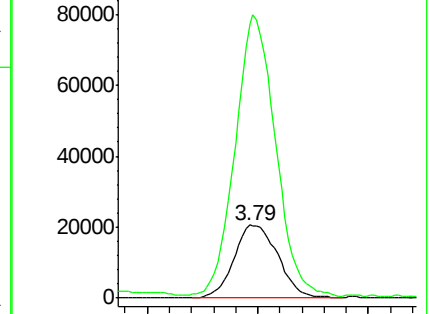
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.125 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057545.D

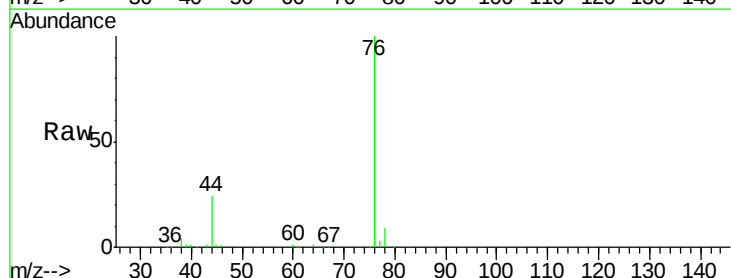
Acq: 27 Aug 2019 10:44

Tgt Ion: 76 Resp: 187085

Ion Ratio Lower Upper

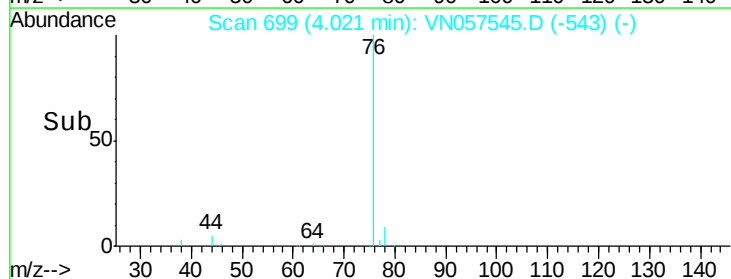
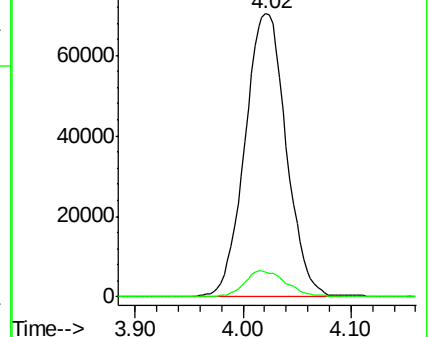
76 100

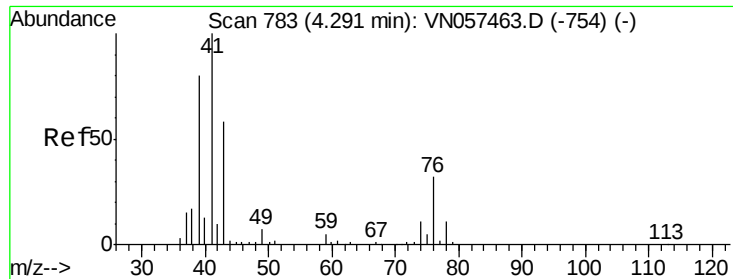
78 8.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





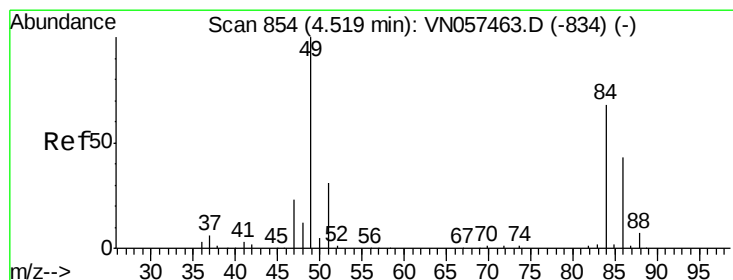
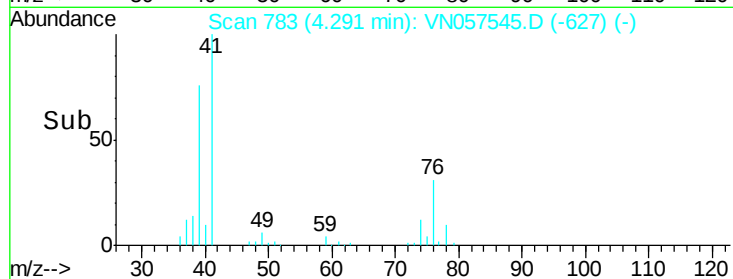
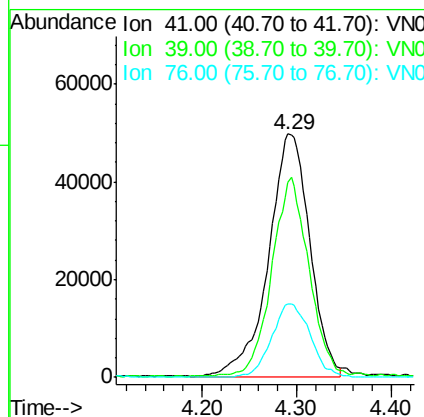
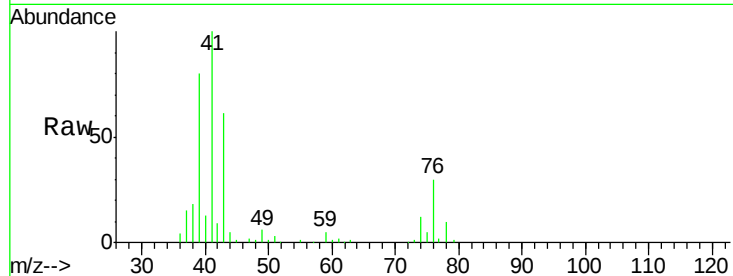
#17
Allvl chloride
Concen: 20.232 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.7	40.1	120.2
76	30.1	16.2	48.6

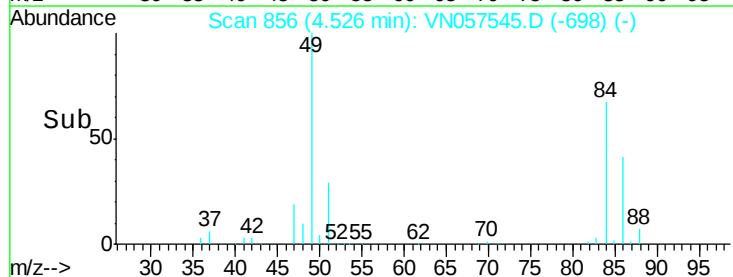
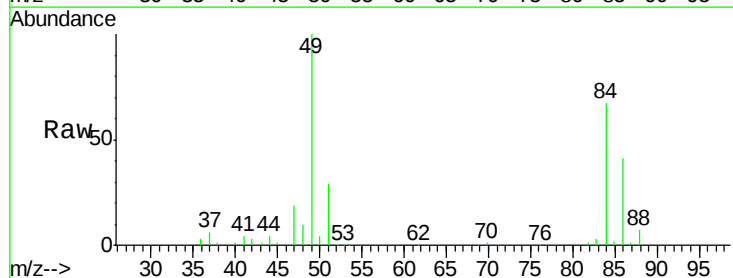
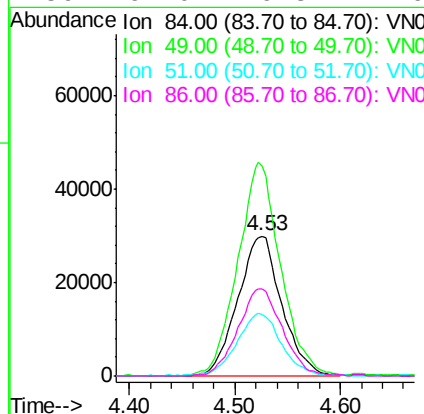
Manual Integrations
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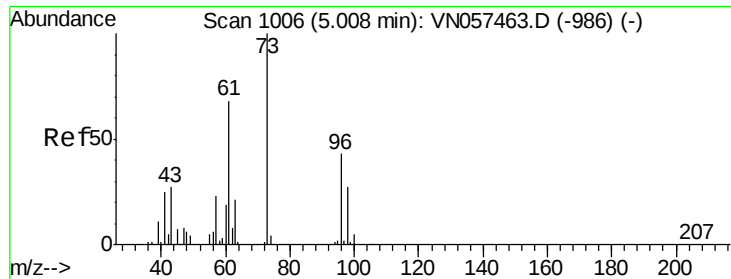
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#18
Methylene Chloride
Concen: 21.573 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.1	116.8	175.2
51	43.4	36.4	54.6
86	62.0	49.8	74.6





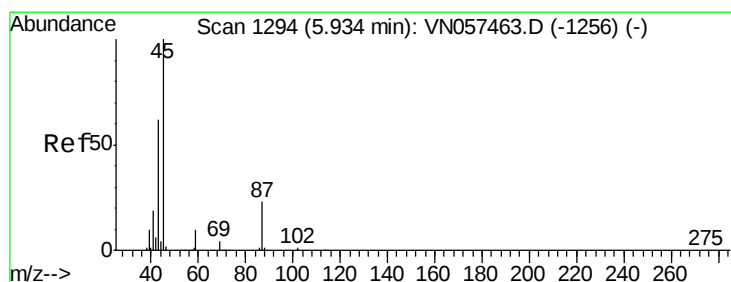
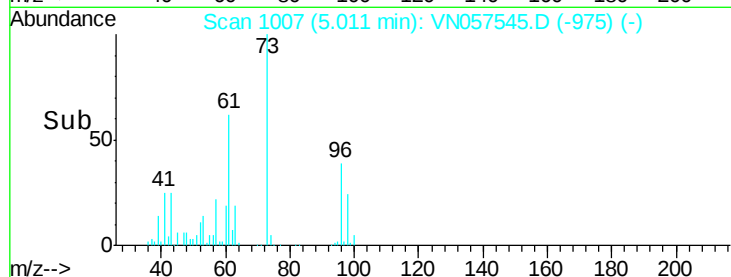
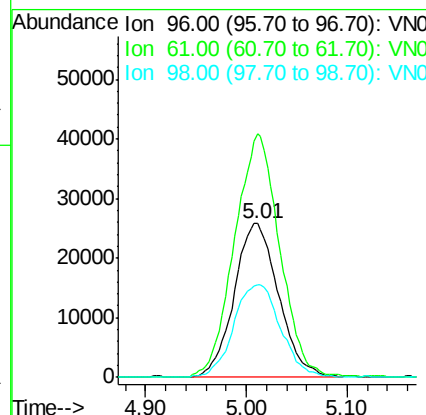
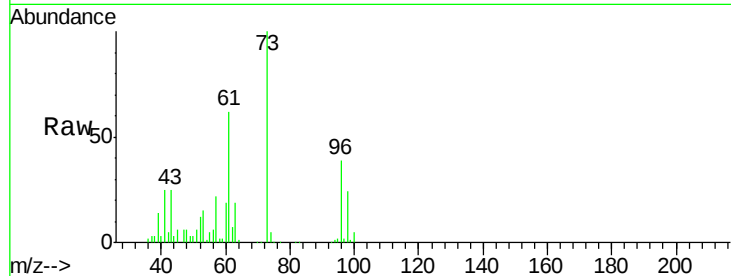
#19
trans-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	157.0	127.6	191.4	
98	60.2	51.5	77.3	

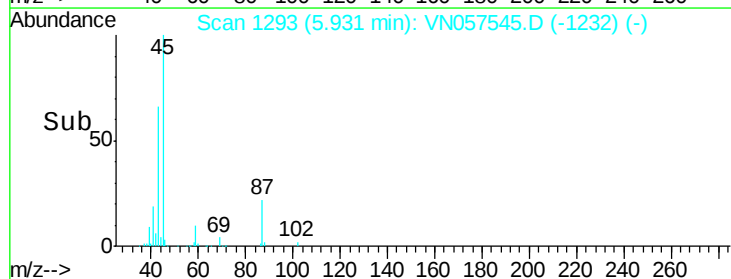
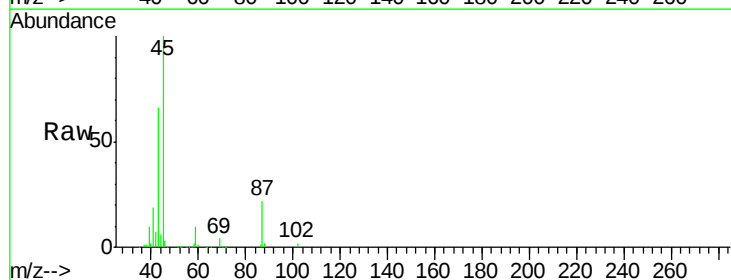
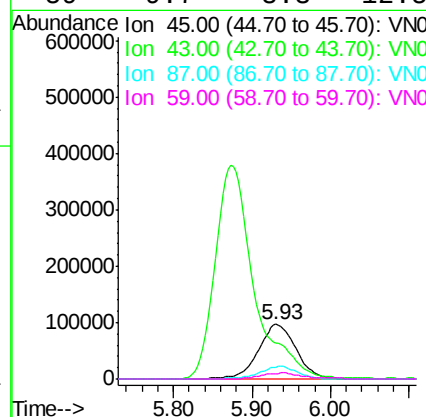
Manual Integrations
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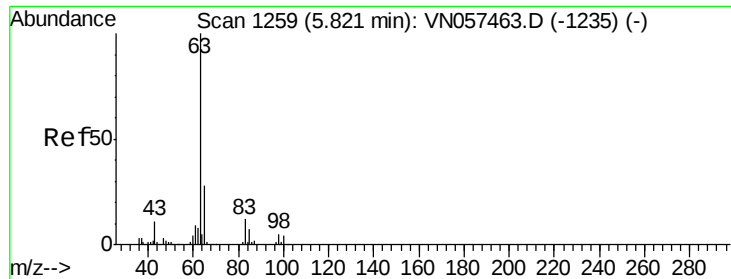
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#20
Diisopropyl ether
Concen: 20.349 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	63.8	49.9	74.9	
87	22.1	19.1	28.7	
59	9.7	8.3	12.5	





#21

1,1-Dichloroethane

Concen: 21.332 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

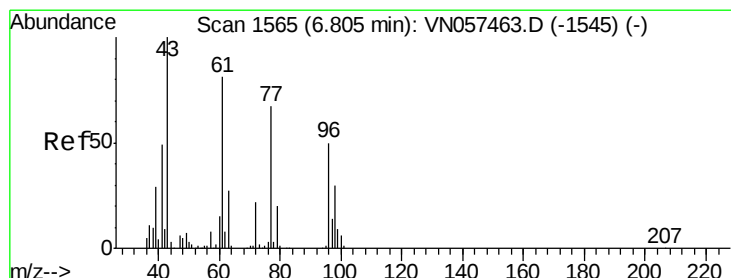
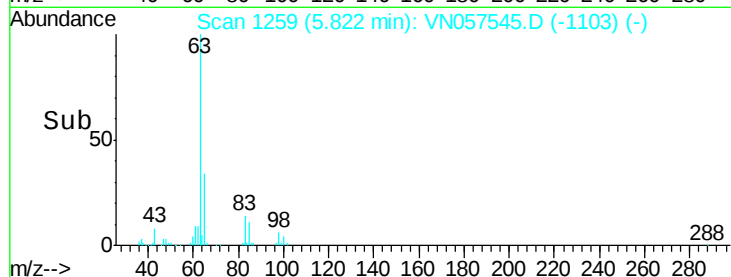
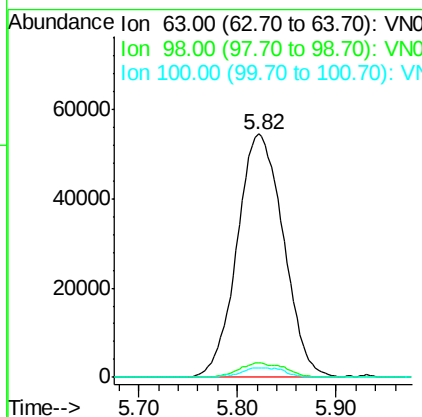
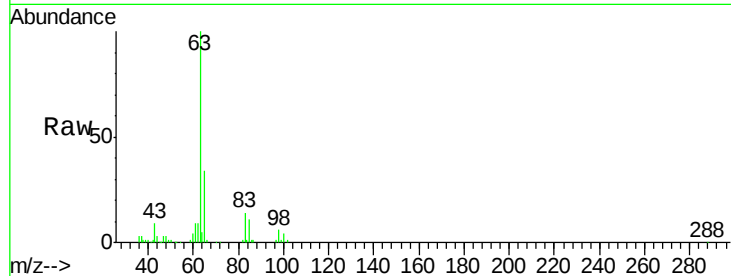
ClientSampleId :

VN0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	177302		
98	6.2		2.4	7.1
100	4.1		2.1	6.3

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 21.216 ug/l

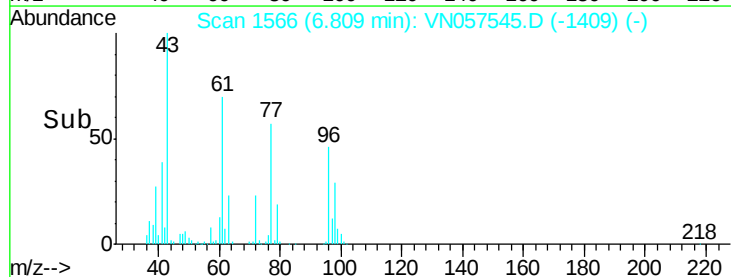
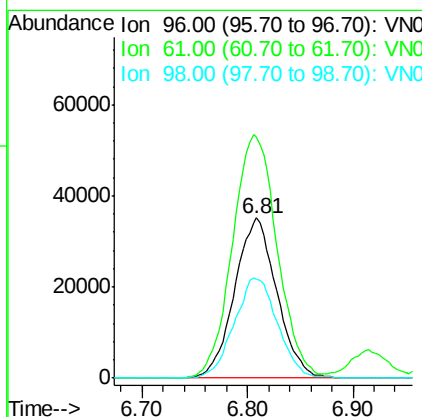
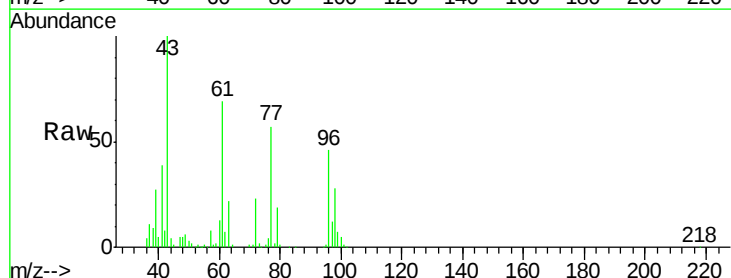
RT: 6.81 min Scan# 1566

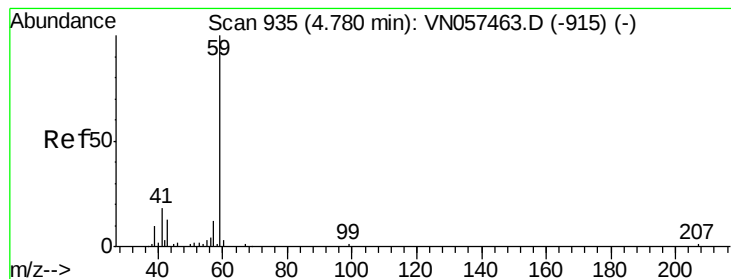
Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	97871		
61	160.9		134.4	201.6
98	63.9		51.4	77.0





#23

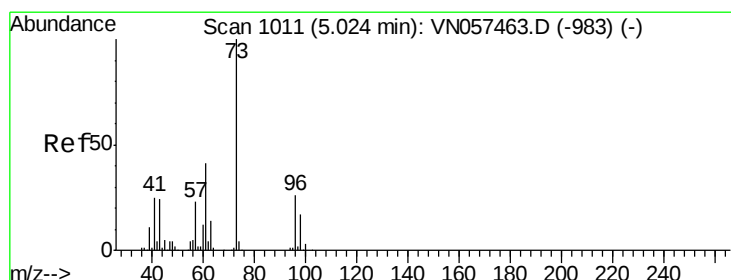
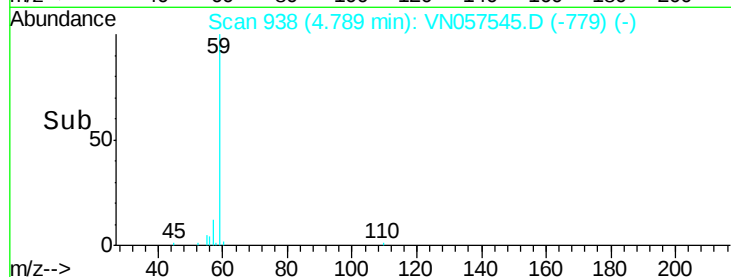
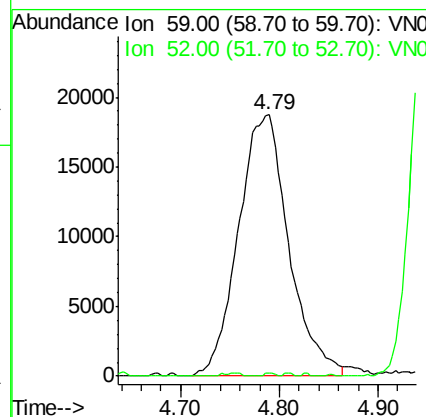
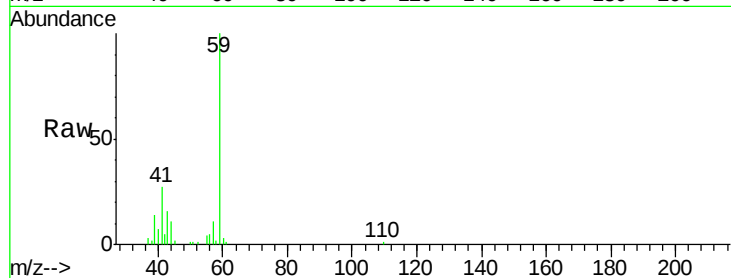
tert-Butyl Alcohol
 Concen: 95.188 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.1	0.1#

Manual Integrations
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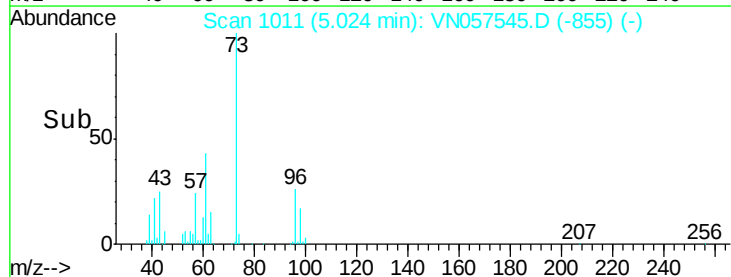
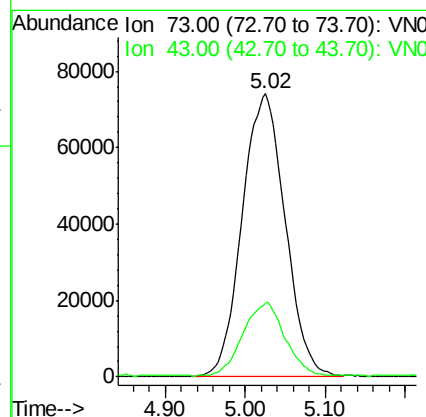
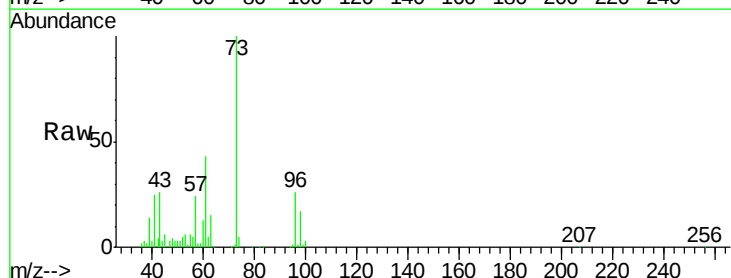
MMDadoda
 8/28/2019 4:26:39 PM

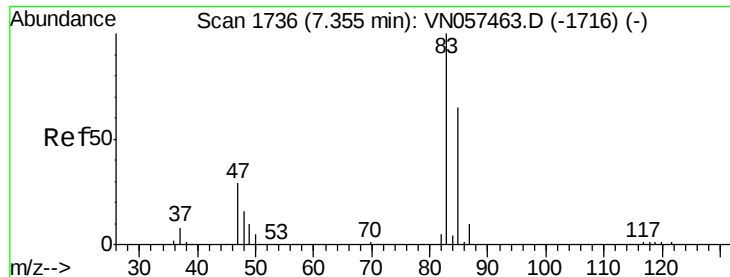


#24

Methyl tert-Butyl Ether
 Concen: 21.403 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.0	20.1	30.1





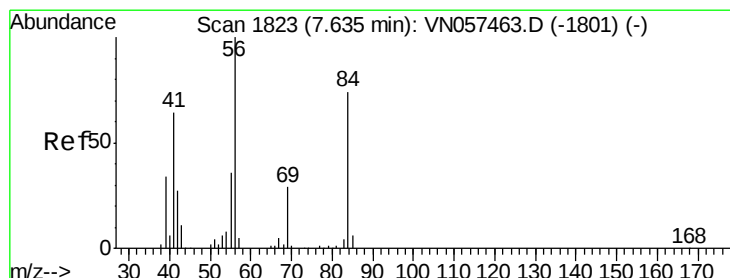
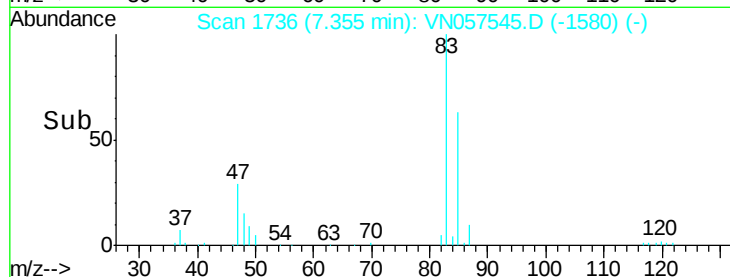
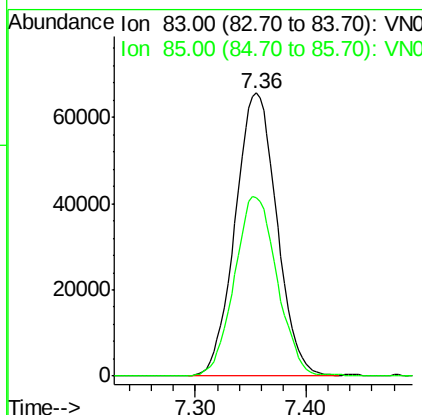
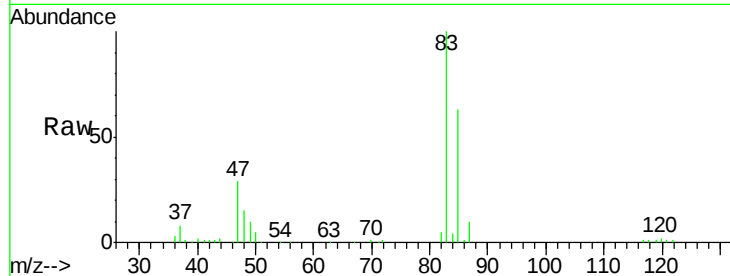
#25
Chloroform
Concen: 20.790 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	83	Resp	171558
Ion Ratio	100	Lower	Upper
85	62.7	52.0	78.0

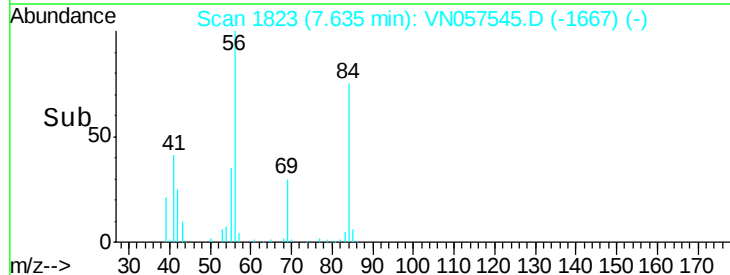
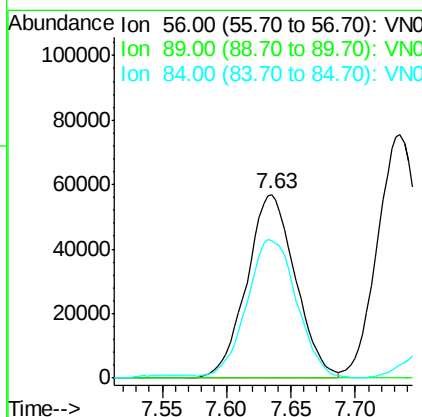
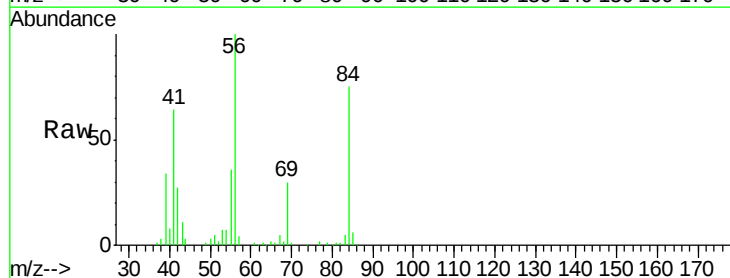
Manual Integrations
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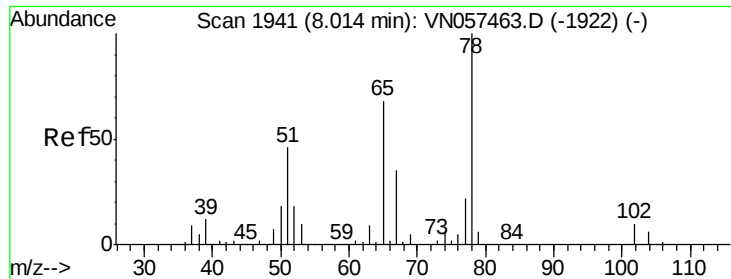
MMDadoda
8/28/2019 4:26:39 PM



#26
Cyclohexane
Concen: 20.226 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	56	Resp	149694
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	76.8	61.1	91.7





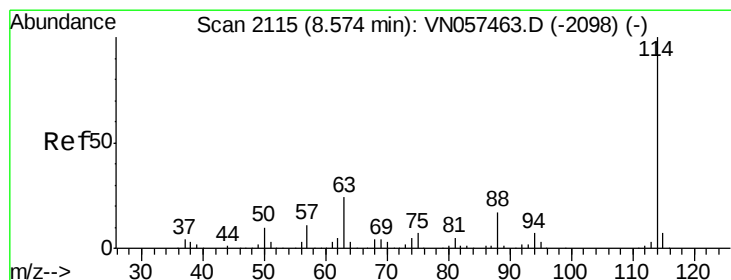
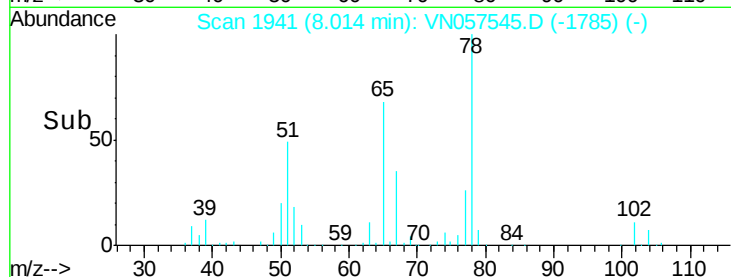
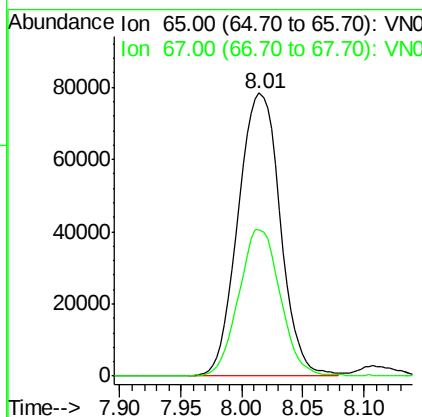
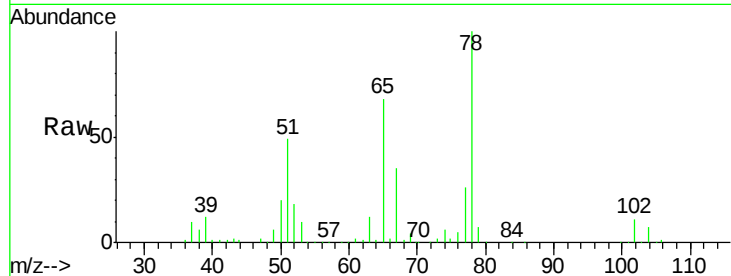
#27
 1,2-Dichloroethane-d4
 Concen: 30.636 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion: 65 Resp: 187918
 Ion Ratio Lower Upper
 65 100
 67 50.3 40.2 60.4

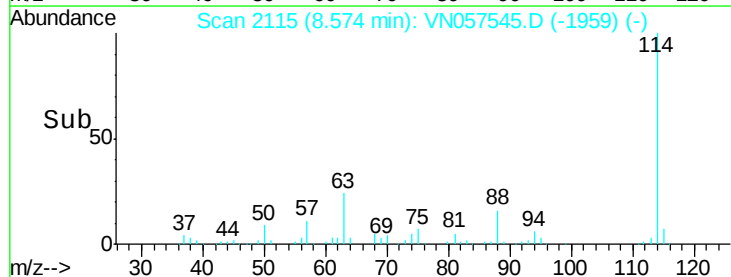
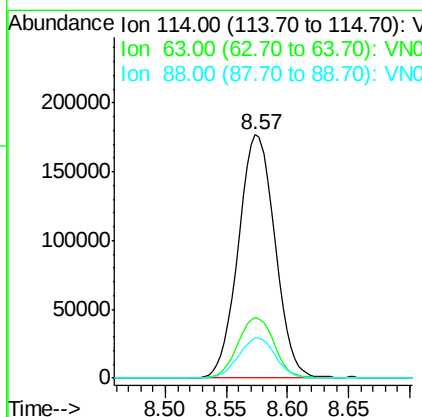
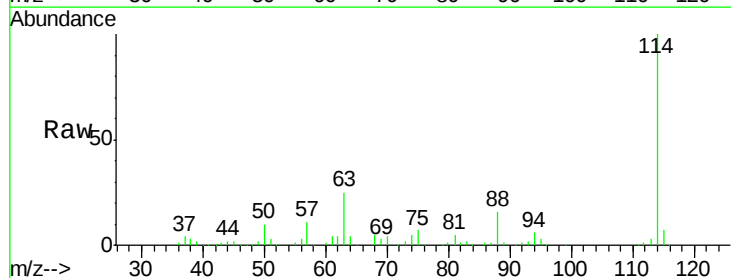
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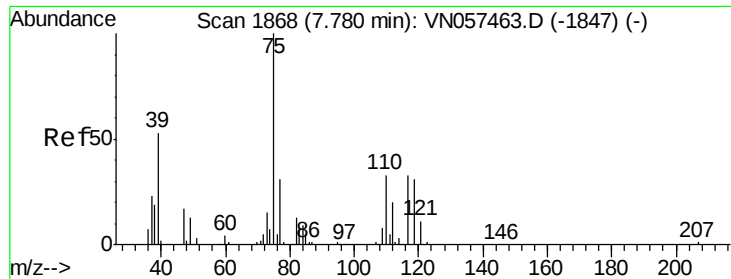
MMDadoda
 8/28/2019 4:26:39 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion: 114 Resp: 366811
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 16.6 13.1 19.7





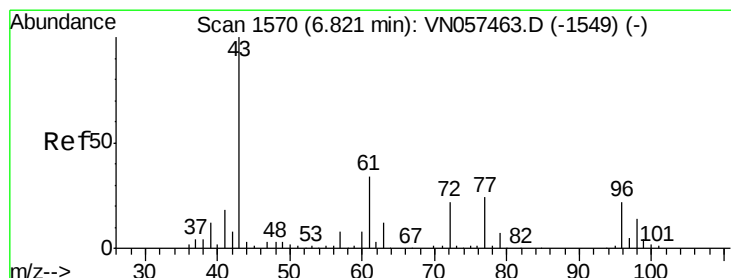
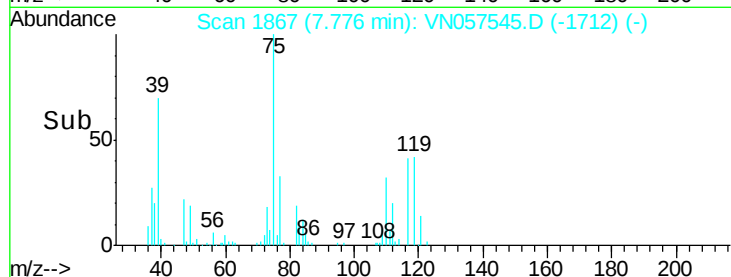
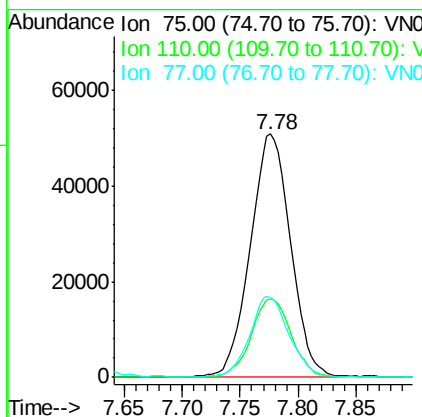
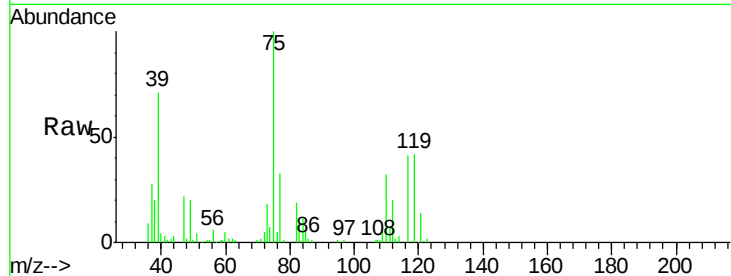
#29
 1,1-Dichloropropene
 Concen: 19.813 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.0	0.0	64.0
77	32.6	0.0	63.4

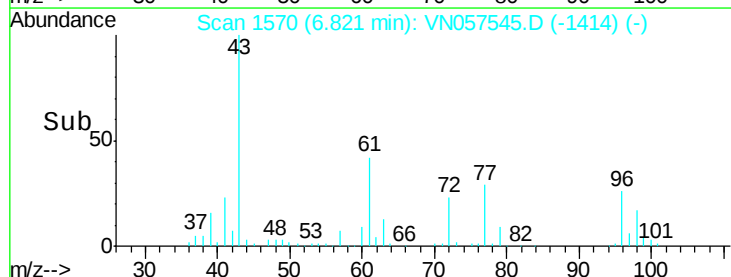
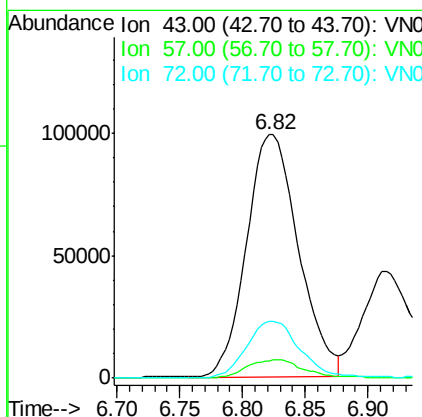
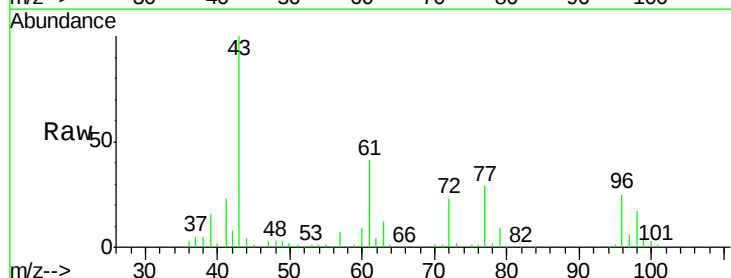
Manual Integrations
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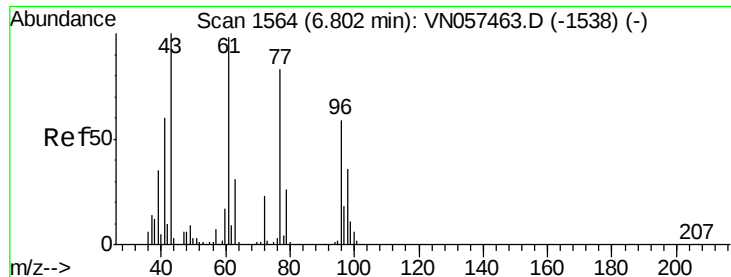
MMDadoda
 8/28/2019 4:26:39 PM



#30
 2-Butanone
 Concen: 95.737 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	5.7	8.5
72	24.2	18.2	27.2





#31

2,2-Dichloropropane

Concen: 19.991 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

Tot Ion: 77 Resp: 142387

Ion Ratio Lower Upper

77 100

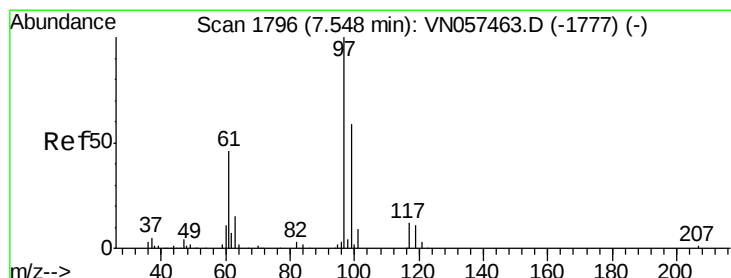
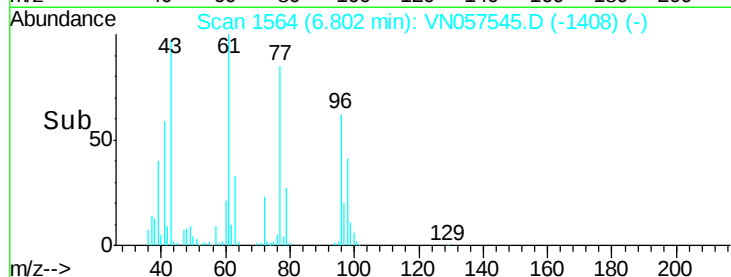
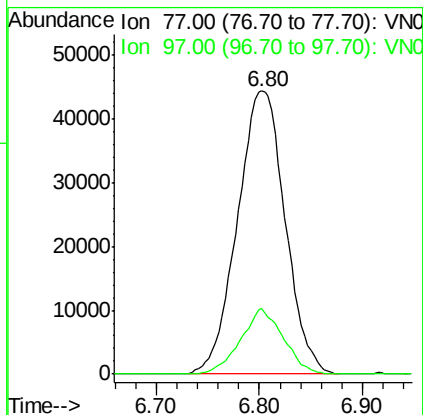
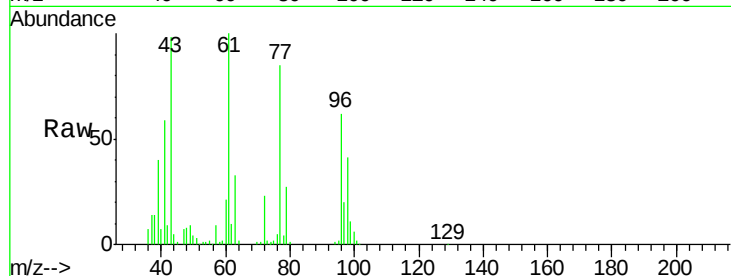
97 20.7 17.0 25.4

Manual Integrations

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MMDadoda

8/28/2019 4:26:39 PM



#32

1,1,1-Trichloroethane

Concen: 20.108 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.01 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

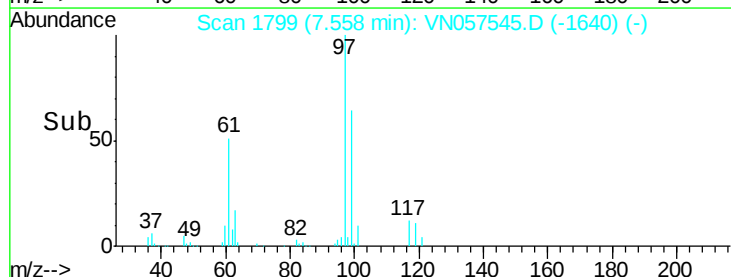
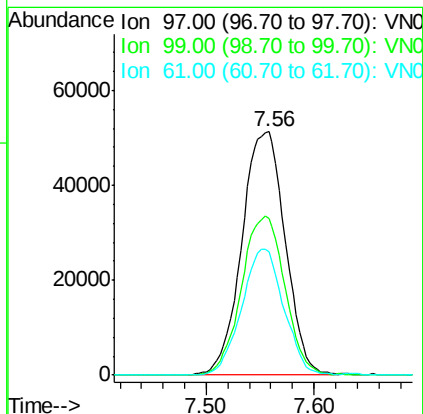
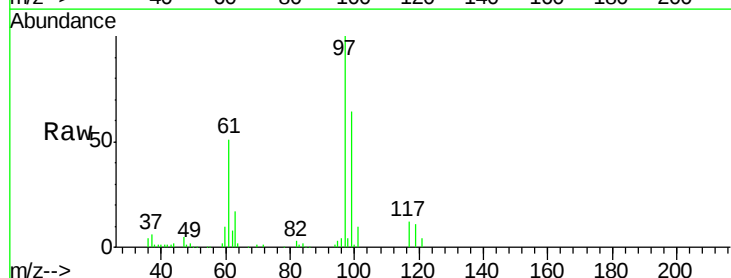
Tgt Ion: 97 Resp: 143305

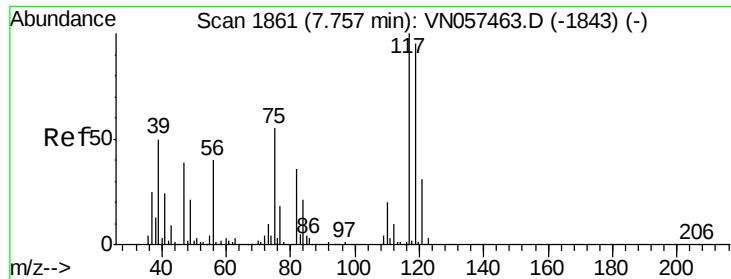
Ion Ratio Lower Upper

97 100

99 65.2 49.6 74.4

61 50.1 40.9 61.3





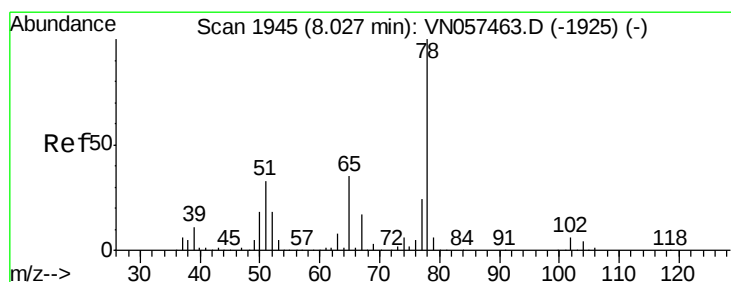
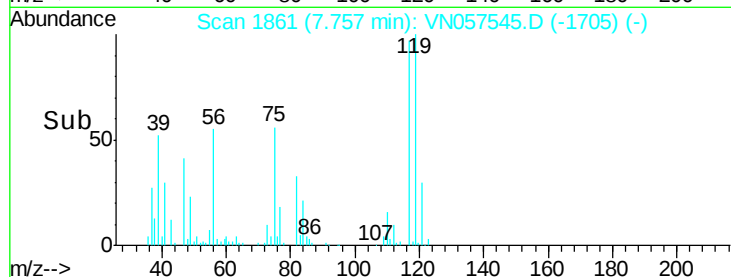
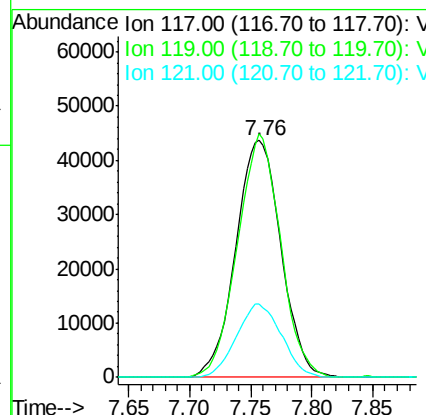
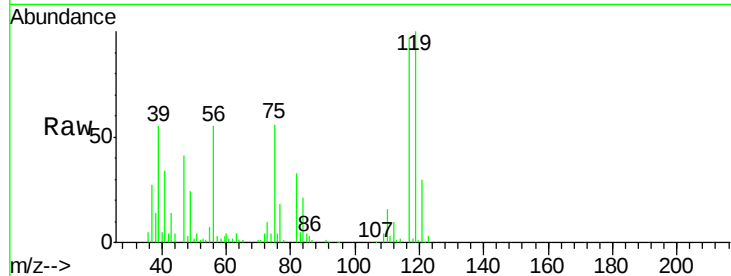
#33
Carbon Tetrachloride
Concen: 18.902 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
119	102.9	76.8	115.2		
121	31.1	24.8	37.2		

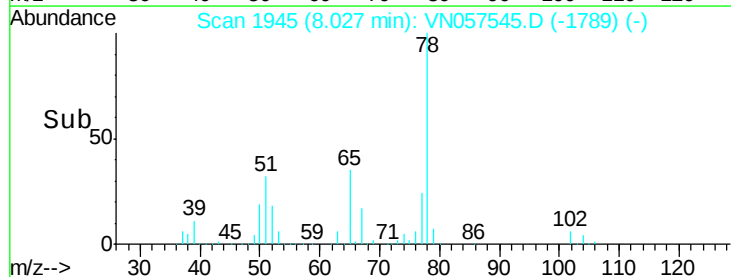
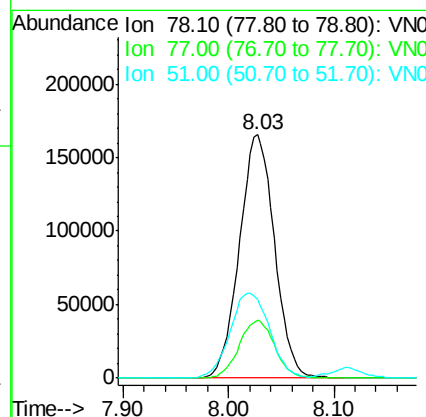
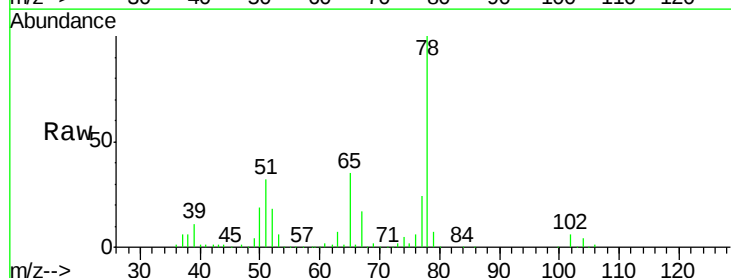
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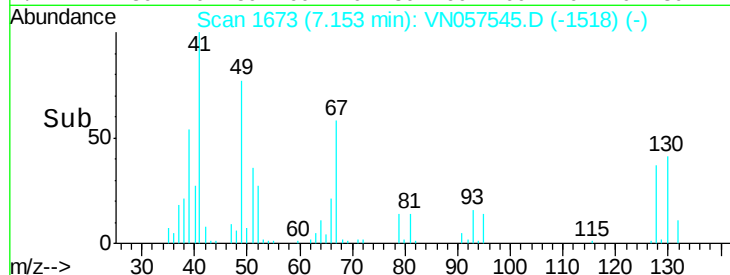
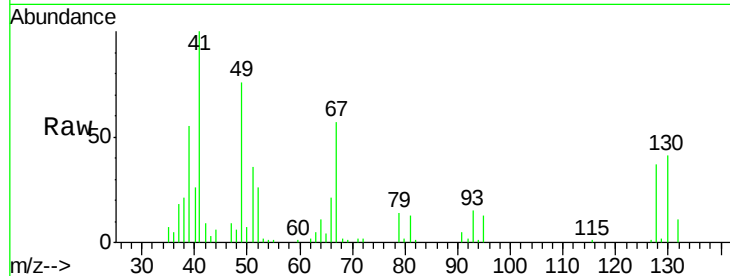
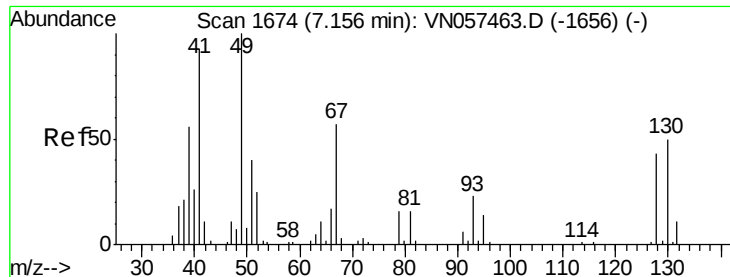
MMDadoda
8/28/2019 4:26:39 PM



#34
Benzene
Concen: 20.852 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100				
77	23.8	19.5	29.3		
51	31.9	26.0	39.0		





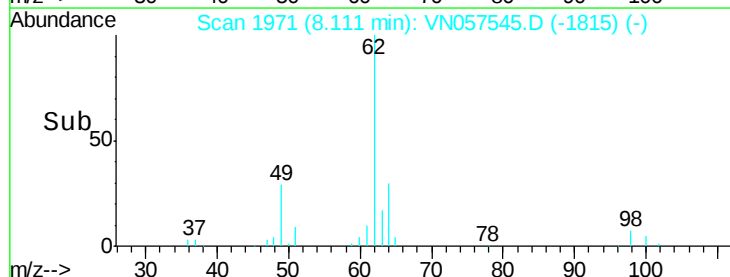
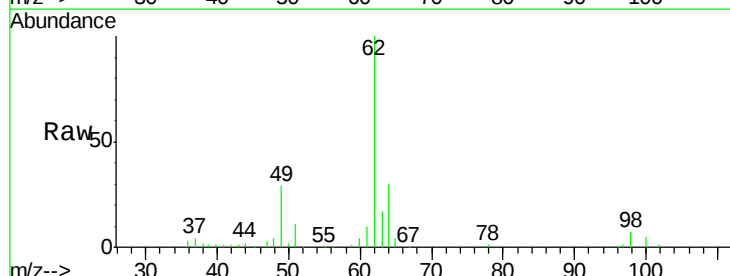
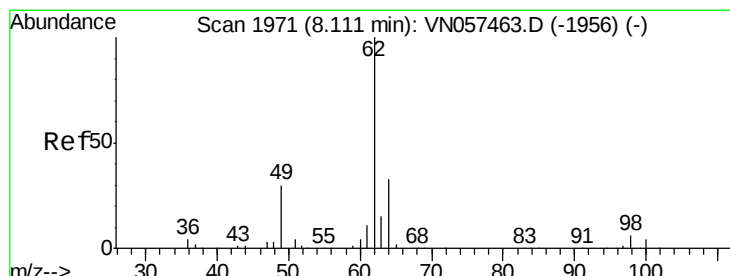
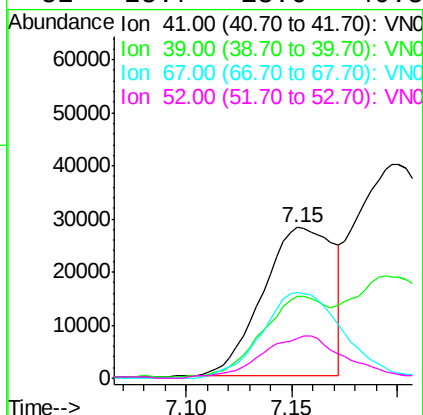
#35
Methacrylonitrile
Concen: 21.576 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	30.5	91.5	
67	57.7	30.9	92.5	
52	25.7	13.6	40.8	

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

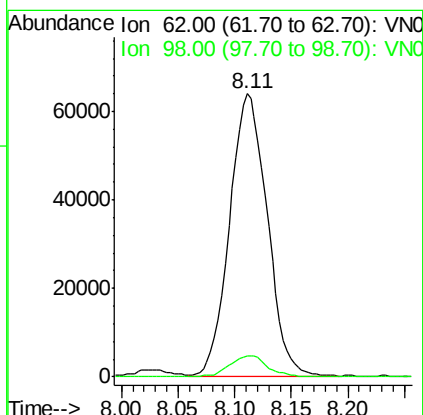
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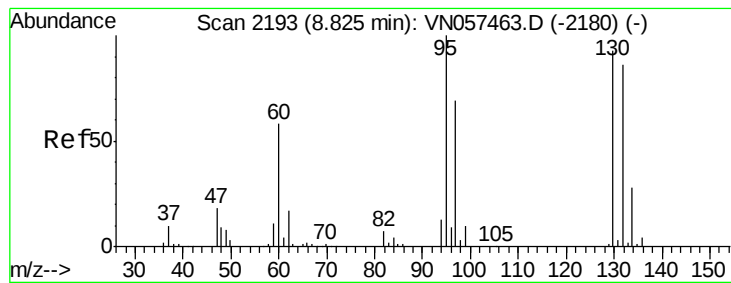
MMDadoda
8/28/2019 4:26:39 PM



#36
1,2-Dichloroethane
Concen: 20.731 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	2.8	4.2#	





#37

Trichloroethene

Concen: 19.843 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

Tot Ion:130 Resp: 82994

Ion Ratio Lower Upper

130 100

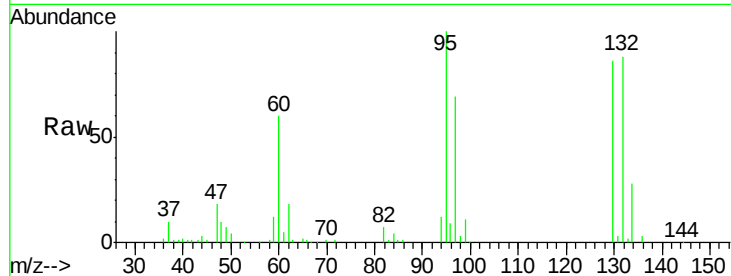
95 115.6 86.4 129.6

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

50000

40000

30000

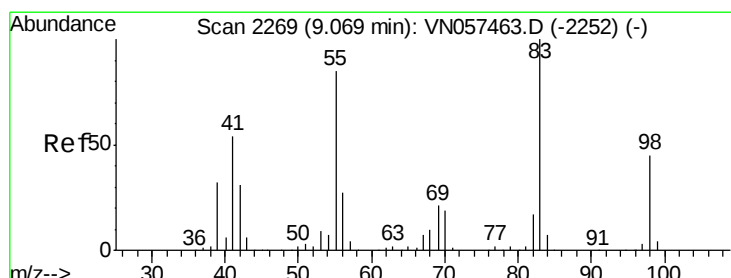
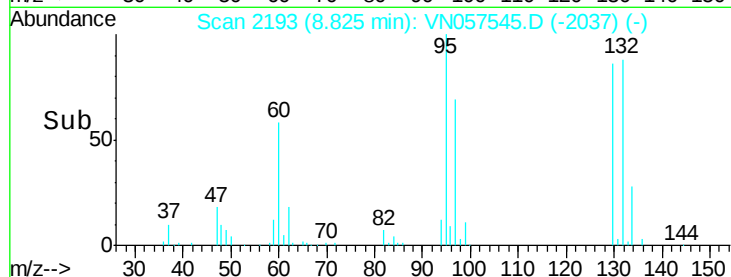
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 20.903 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

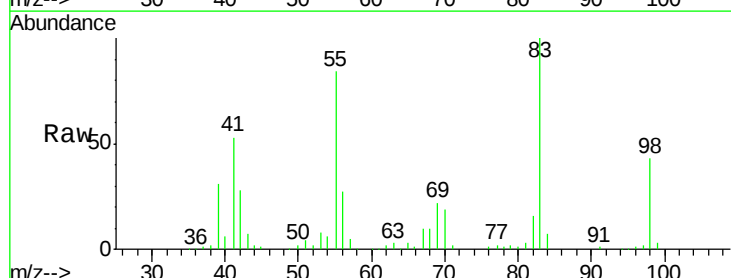
Tgt Ion: 83 Resp: 146264

Ion Ratio Lower Upper

83 100

55 83.0 43.3 129.8

98 44.0 22.8 68.4



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

80000

60000

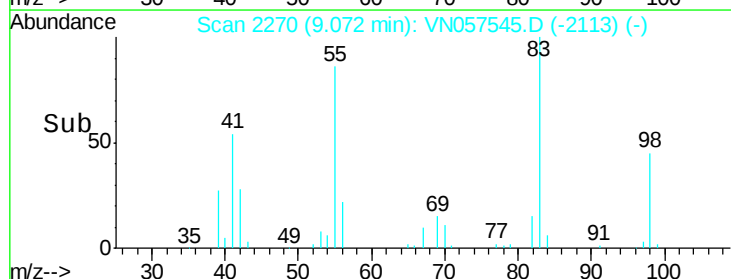
40000

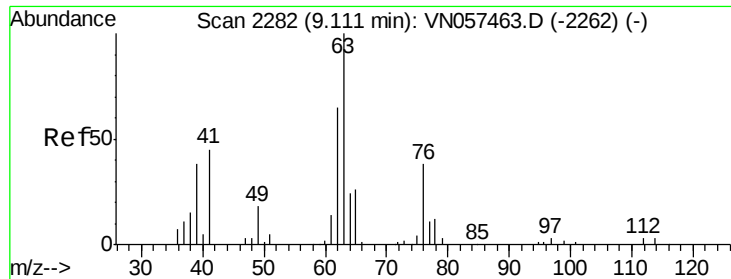
20000

0

9.00 9.05 9.10 9.15

Time-->





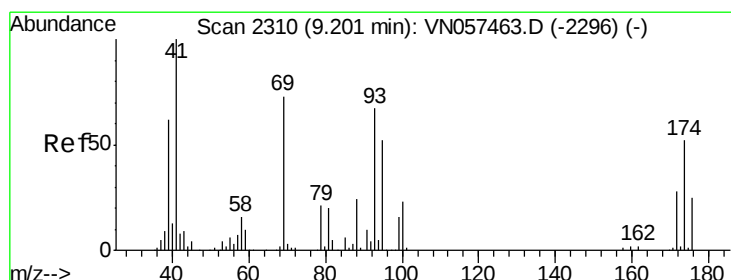
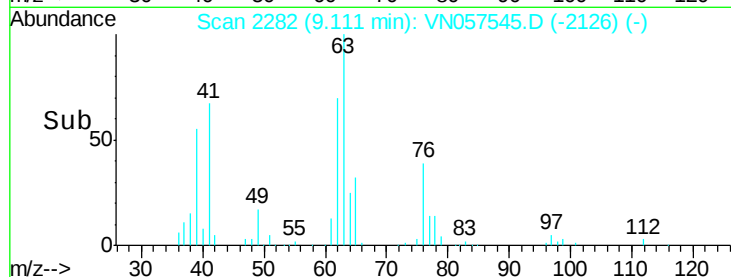
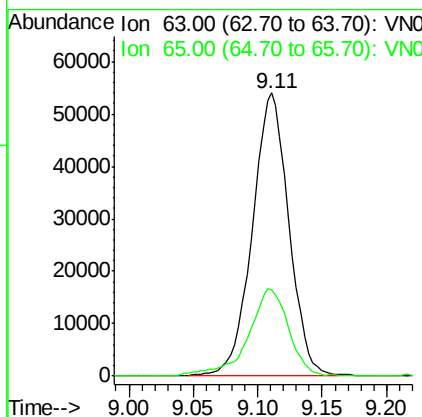
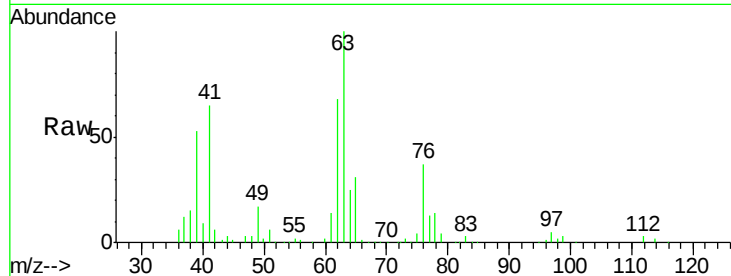
#39
 1,2-Dichloropropane
 Concen: 20.456 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion: 63 Resp: 106627
 Ion Ratio Lower Upper
 63 100
 65 30.2 21.6 32.4

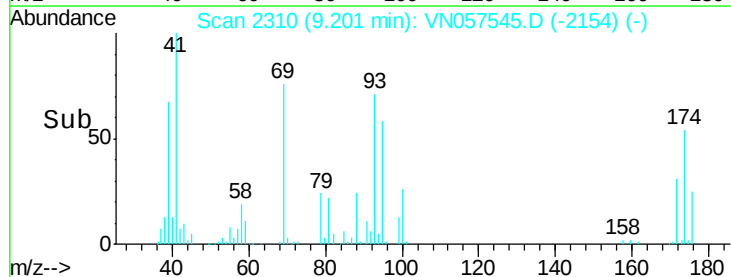
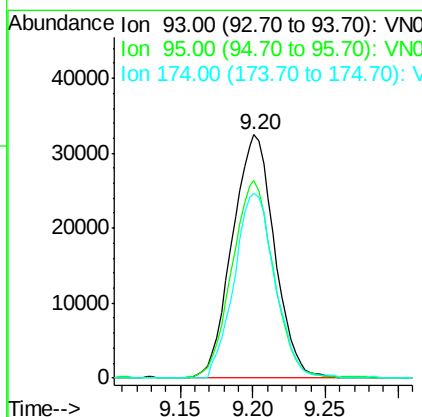
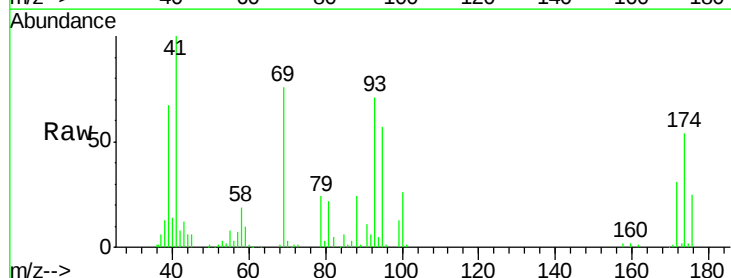
Manual Integrations
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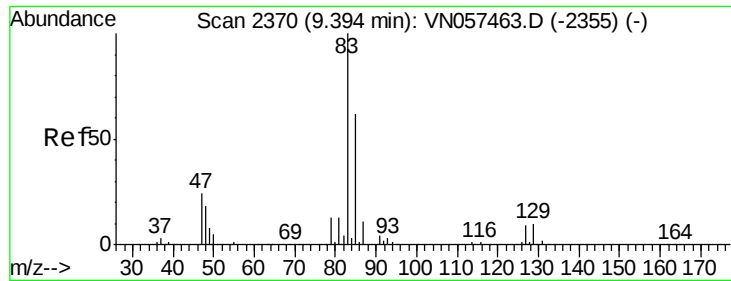
MMDadoda
 8/28/2019 4:26:39 PM



#40
 Dibromomethane
 Concen: 20.633 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion: 93 Resp: 65730
 Ion Ratio Lower Upper
 93 100
 95 79.9 0.0 160.8
 174 72.7 0.0 157.2





#41

Bromodichloromethane

Concen: 19.611 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

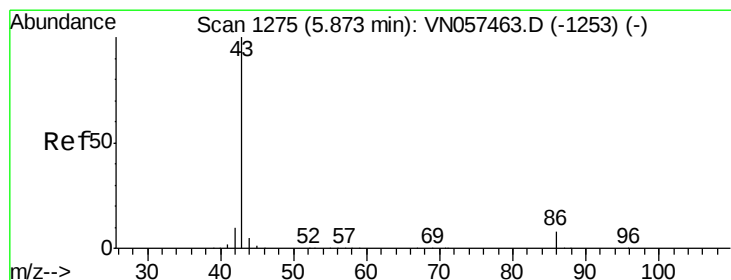
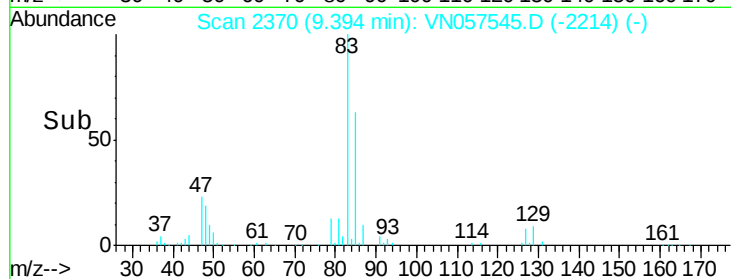
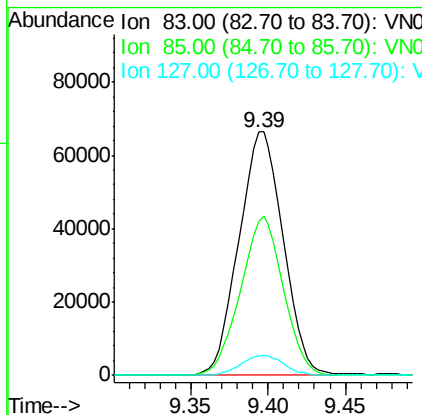
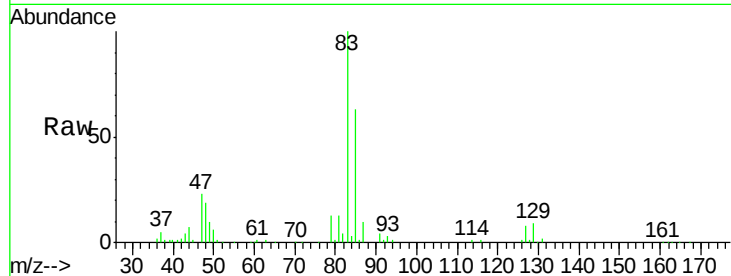
ClientSampleId :

VN0827WBS01

Tot Ion:	83	Resp:	132505
Ion Ratio	Lower	Upper	
83	100		
85	63.4	49.8	74.8
127	8.8	7.6	11.4

Manual Integrations
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MMDadoda
8/28/2019 4:26:39 PM



#42

Vinyl Acetate

Concen: 96.164 ug/l

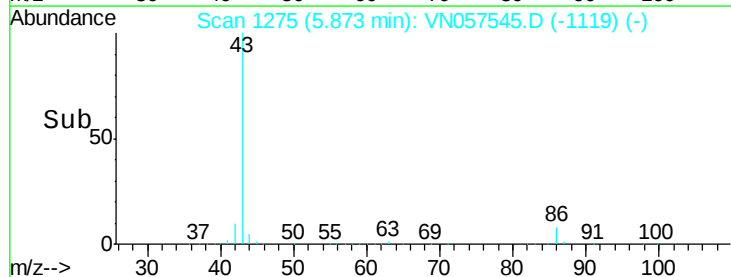
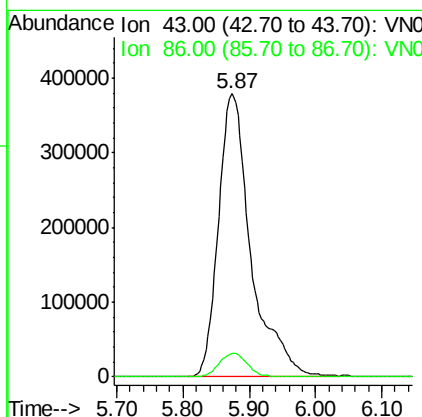
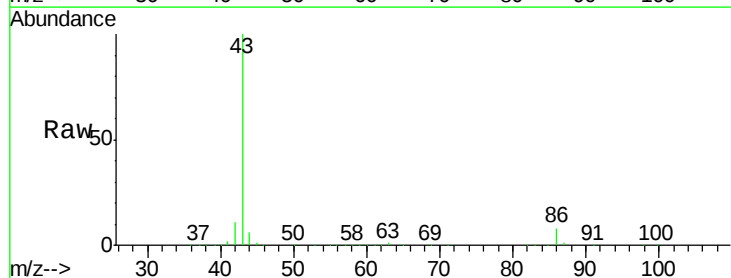
RT: 5.87 min Scan# 1275

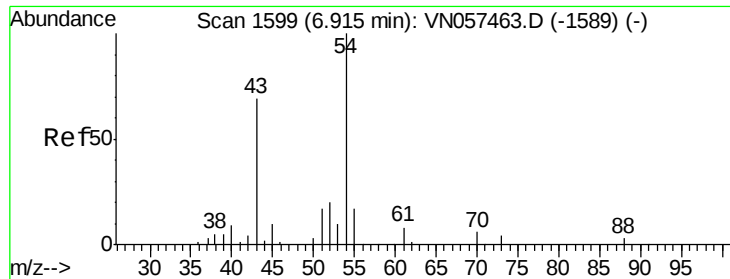
Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Tgt Ion:	43	Resp:	1289840
Ion Ratio	Lower	Upper	
43	100		
86	7.4	5.7	8.5





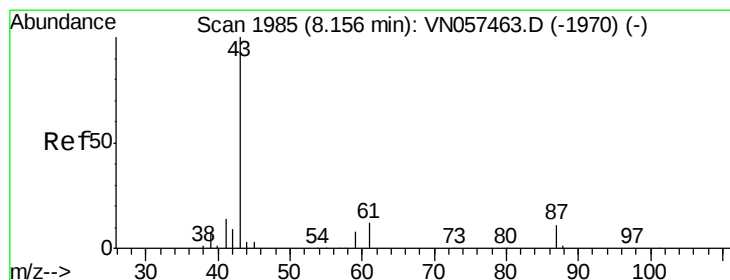
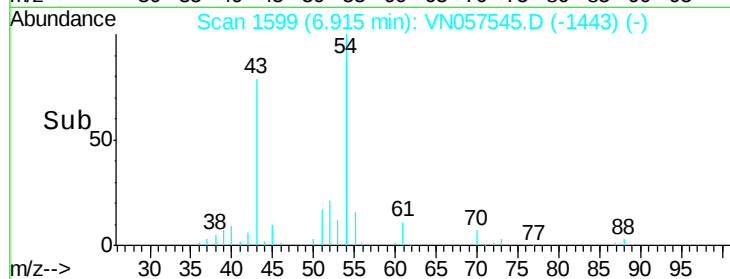
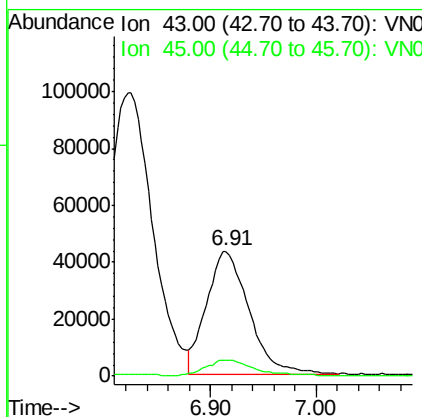
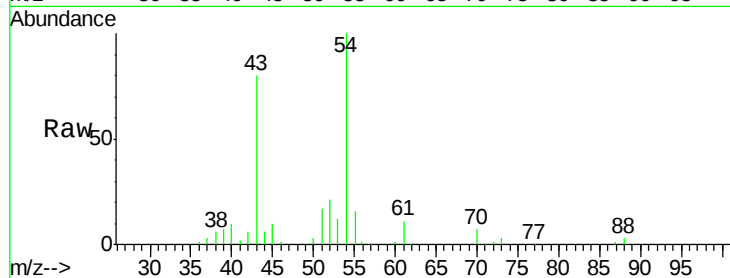
#43
Ethyl Acetate
Concen: 20.763 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

Tot Ion: 43 Resp: 121137
Ion Ratio Lower Upper
43 100
45 13.0 11.0 16.4

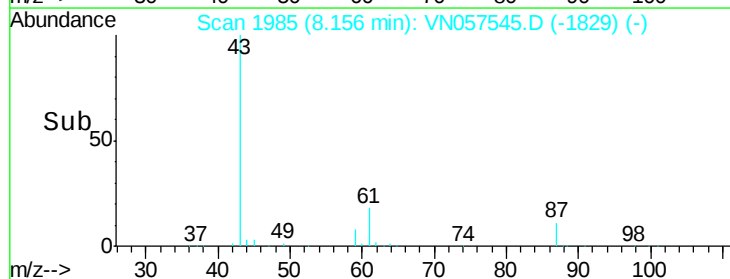
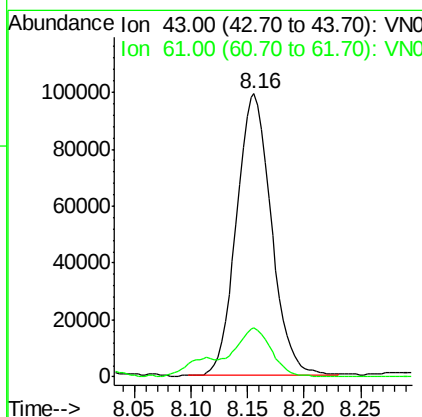
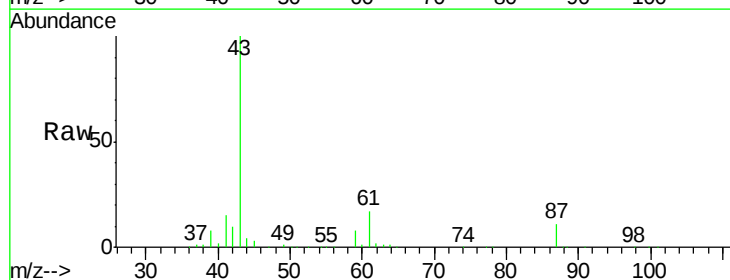
Manual Integrations
APPROVED

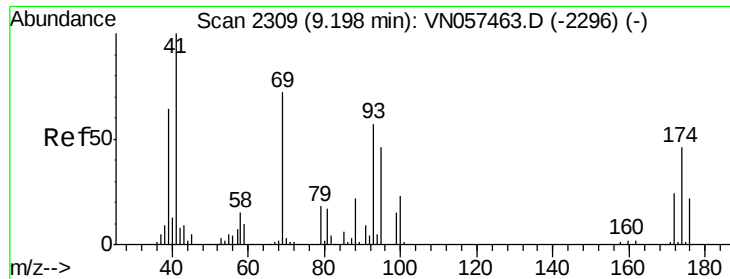
MMDadoda
8/28/2019 4:26:39 PM



#44
Isopropyl Acetate
Concen: 19.156 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion: 43 Resp: 213335
Ion Ratio Lower Upper
43 100
61 16.8 0.1 0.1#





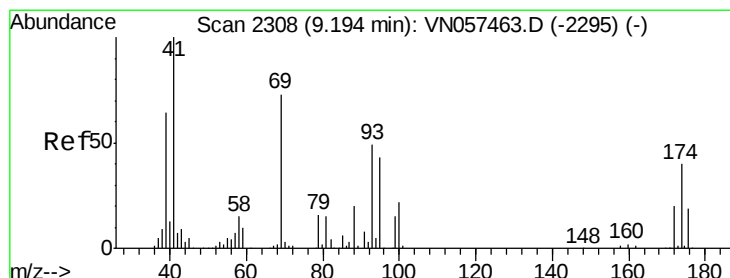
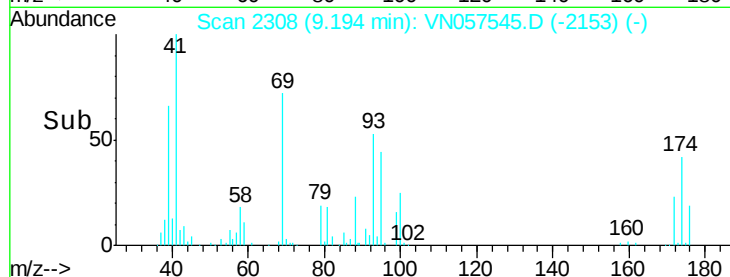
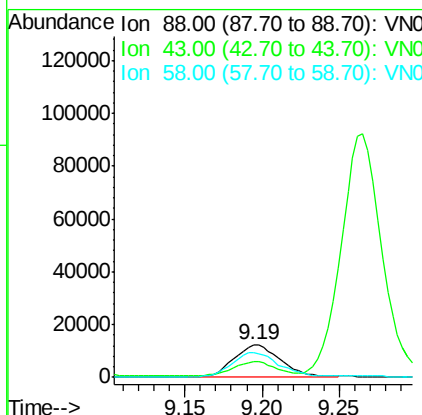
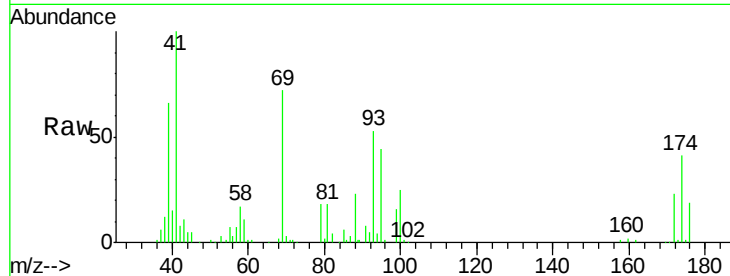
#45
 1,4-Dioxane
 Concen: 391.533 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.5	29.8	44.6
58	77.7	62.2	93.2

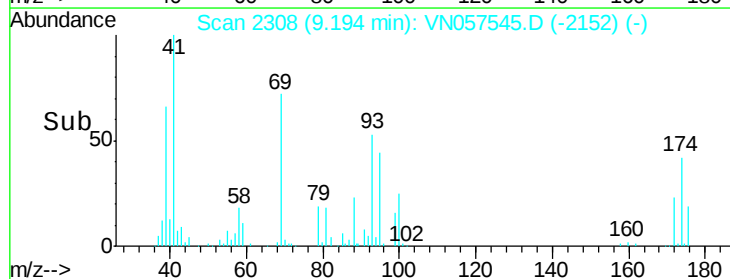
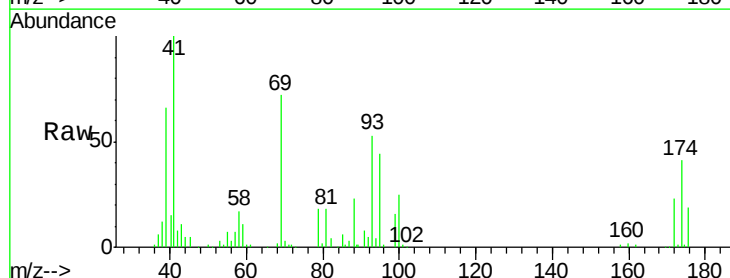
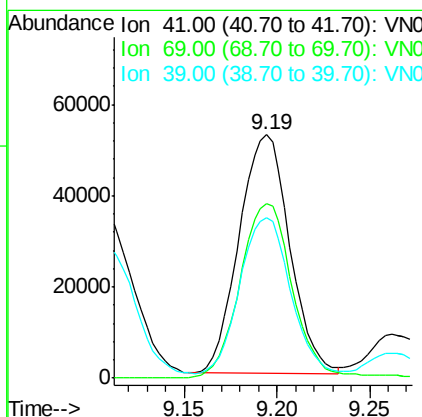
Manual Integrations
 APPROVED

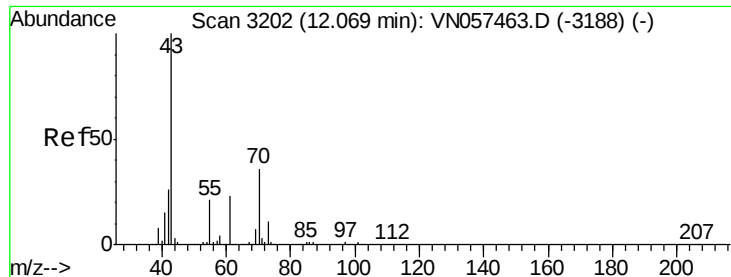
MMDadoda
 8/28/2019 4:26:39 PM



#46
 Methyl methacrylate
 Concen: 18.810 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.0	36.5	109.5
39	65.3	32.1	96.3





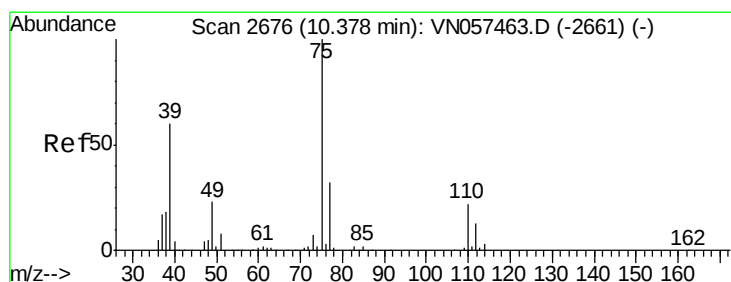
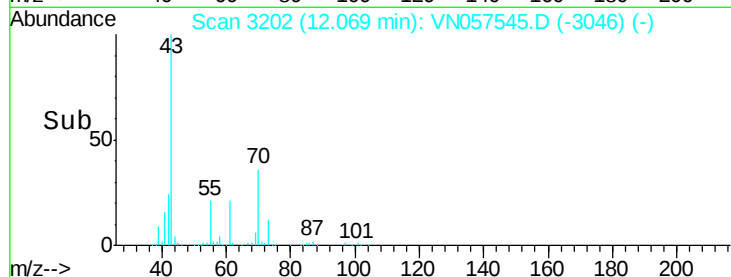
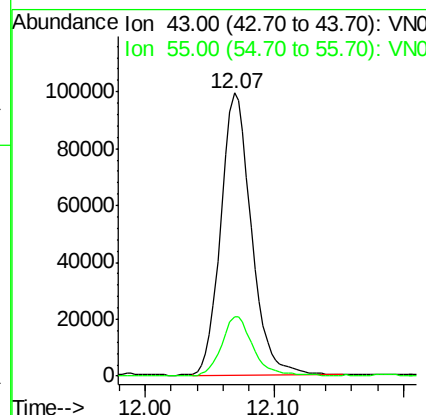
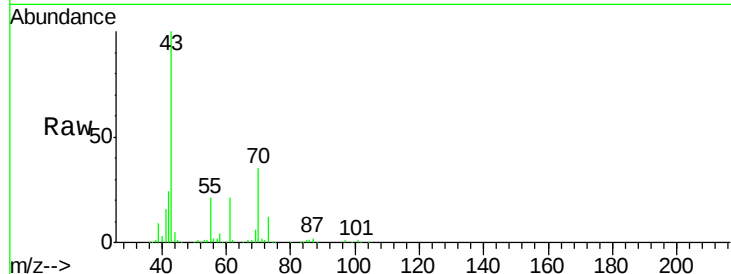
#47
n-amyl Acetate
Concen: 18.242 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion: 43 Resp: 163508
Ion Ratio Lower Upper
43 100
55 21.9 17.0 25.6

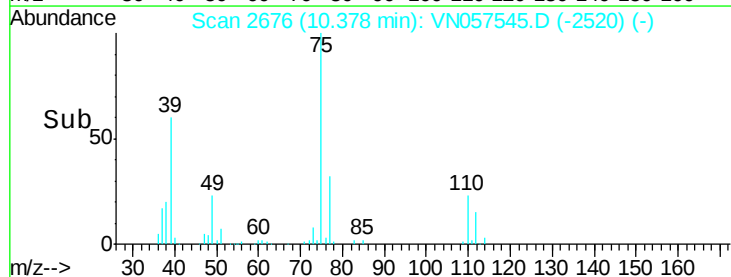
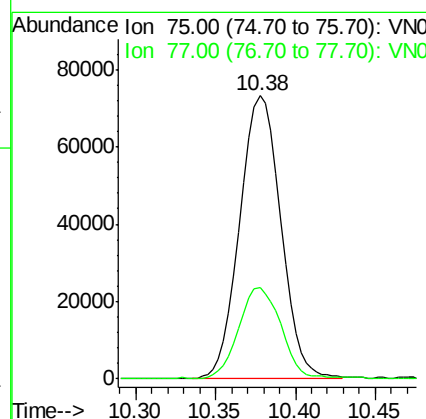
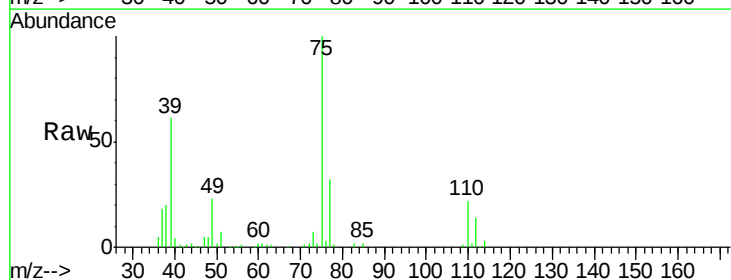
Manual Integrations
APPROVED

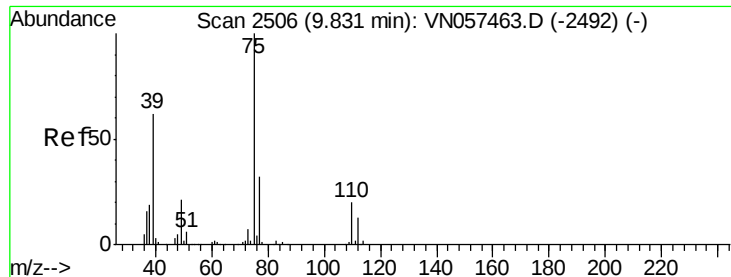
MMDadoda
8/28/2019 4:26:39 PM



#48
t-1,3-Dichloropropene
Concen: 18.049 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion: 75 Resp: 128829
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5





#49

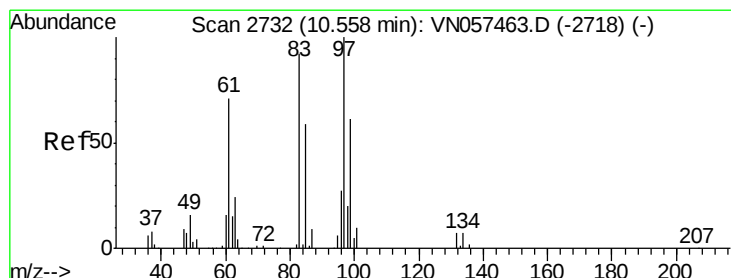
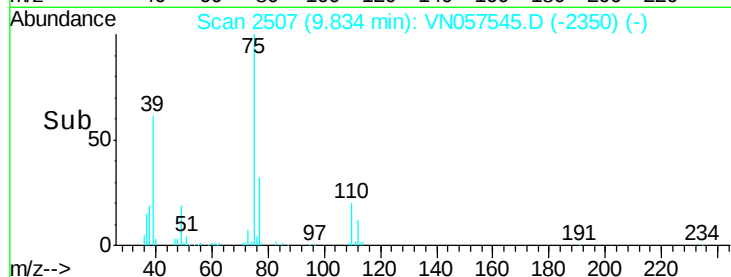
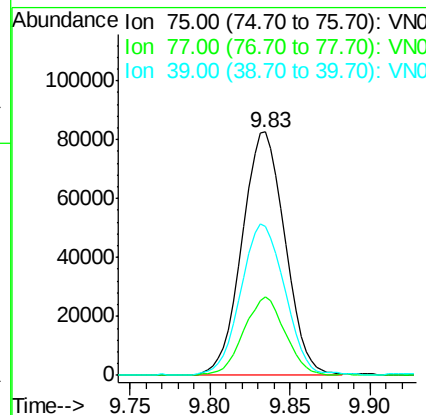
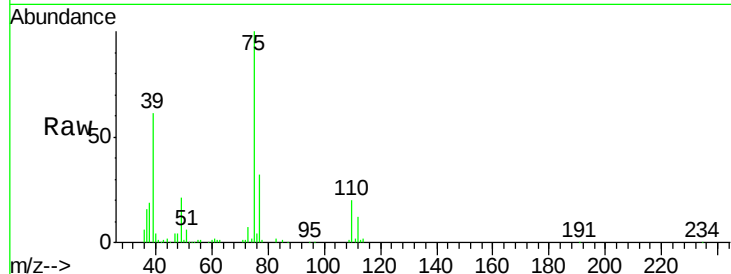
cis-1,3-Dichloropropene
 Concen: 19.340 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	60.9	49.8	74.6

Manual Integrations
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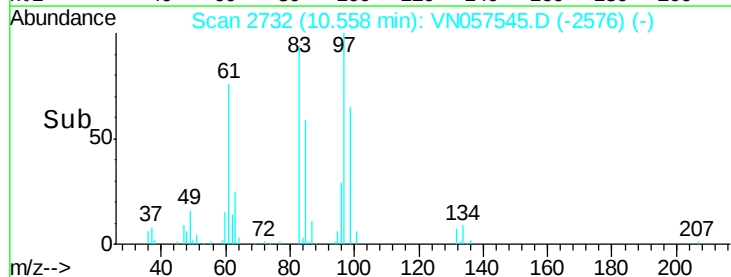
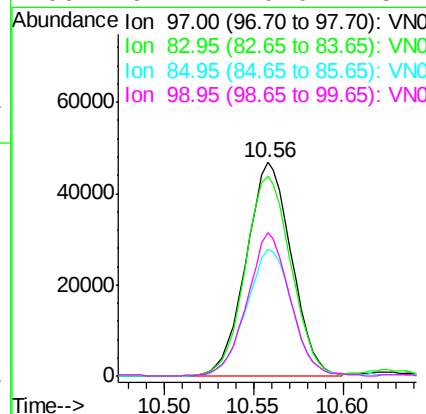
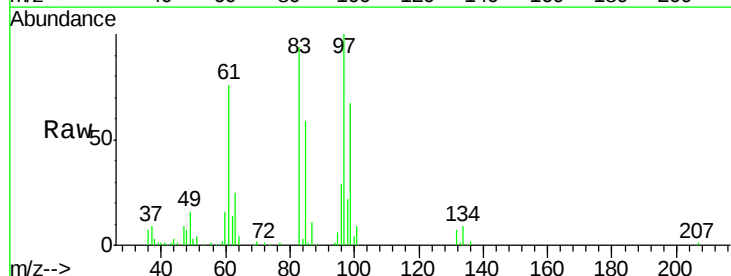
MMDadoda
 8/28/2019 4:26:39 PM

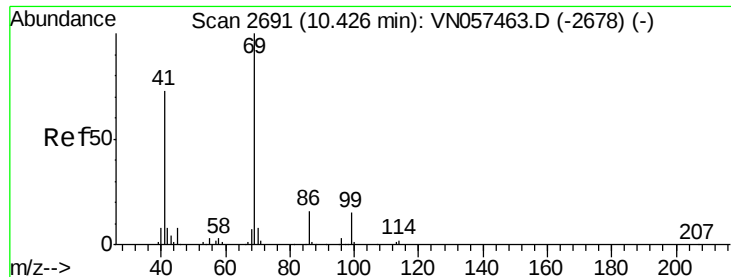


#50

1,1,2-Trichloroethane
 Concen: 19.921 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.1	73.2	109.8
85	59.4	47.1	70.7
99	67.4	49.0	73.4





#51

Ethyl methacrylate

Concen: 19.035 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

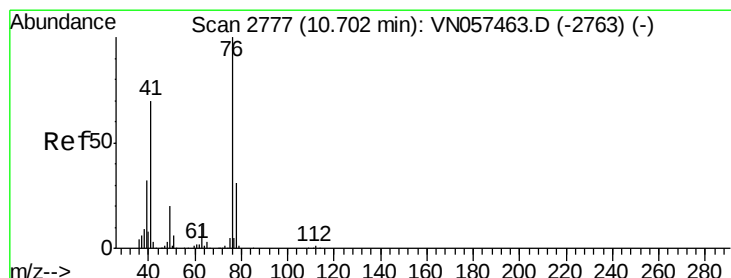
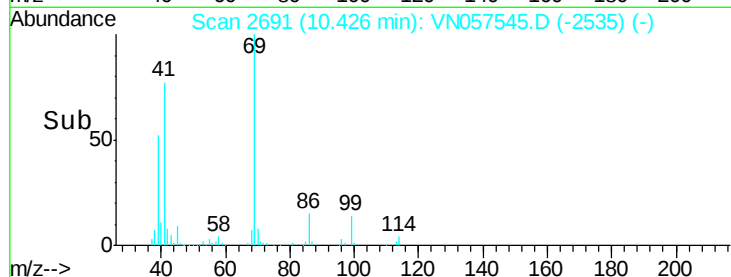
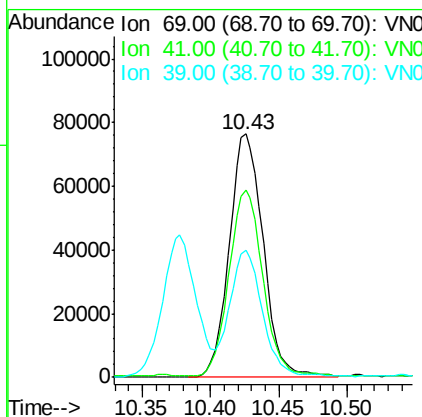
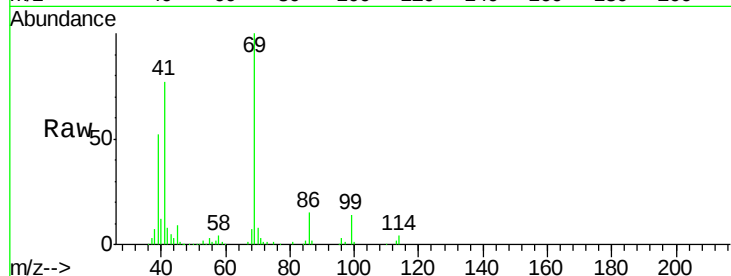
ClientSampled :

VN0827WBS01

Tot Ion:	69	Resp:	132182
Ion Ratio	Lower	Upper	
69	100		
41	76.4	37.0	111.1
39	51.4	24.4	73.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.180 ug/l

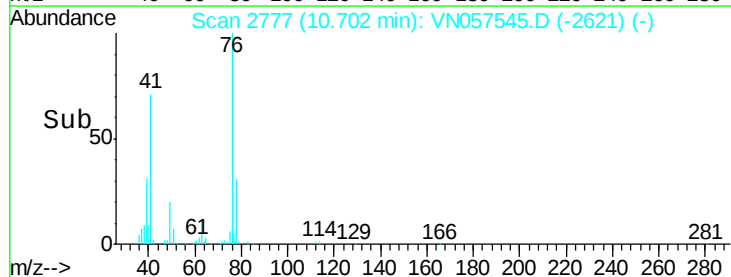
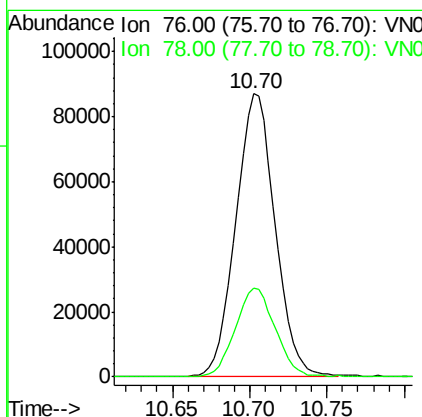
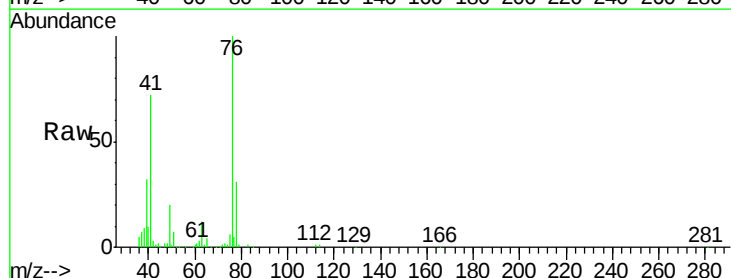
RT: 10.70 min Scan# 2777

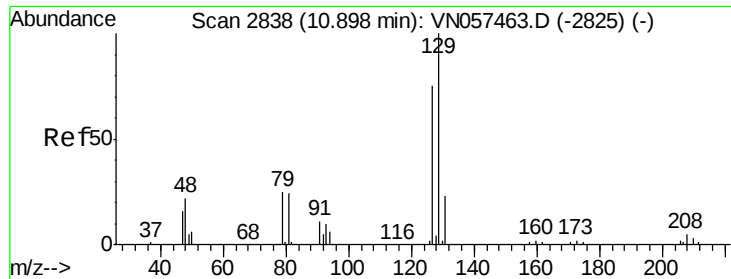
Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Tgt Ion:	76	Resp:	153690
Ion Ratio	Lower	Upper	
76	100		
78	31.7	0.0	63.0





#53

Dibromochloromethane

Concen: 18.644 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

Tot Ion:129 Resp: 83028

Ion Ratio Lower Upper

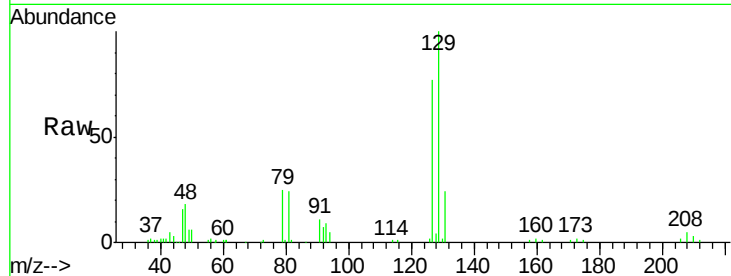
129 100

127 76.4 38.1 114.3

Manual Integrations
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

40000

30000

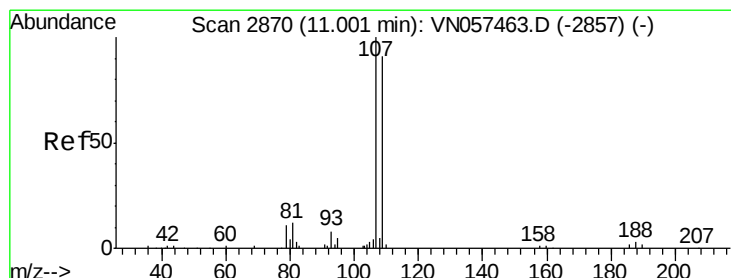
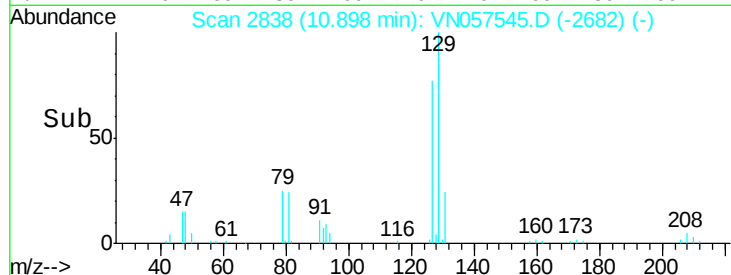
20000

10000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 19.344 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057545.D

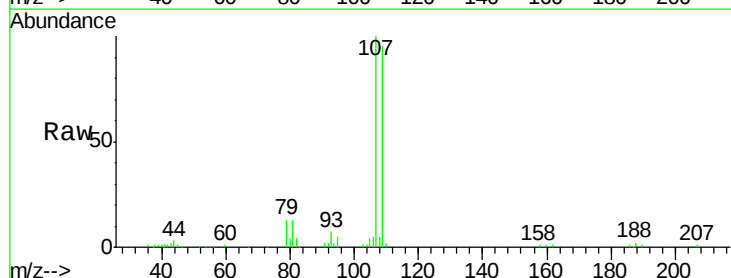
Acq: 27 Aug 2019 10:44

Tgt Ion:107 Resp: 82681

Ion Ratio Lower Upper

107 100

109 97.6 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.00

40000

30000

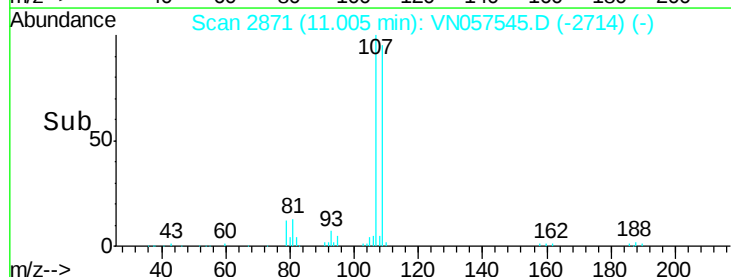
20000

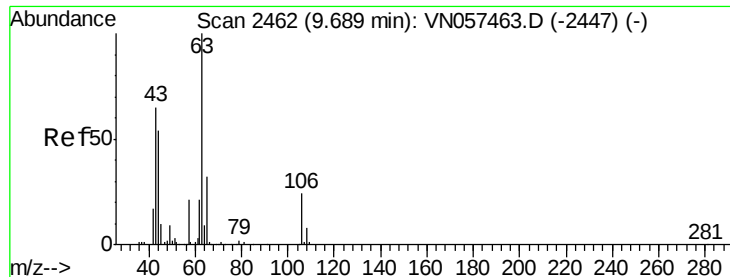
10000

0

10.95 11.00 11.05

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 106.965 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

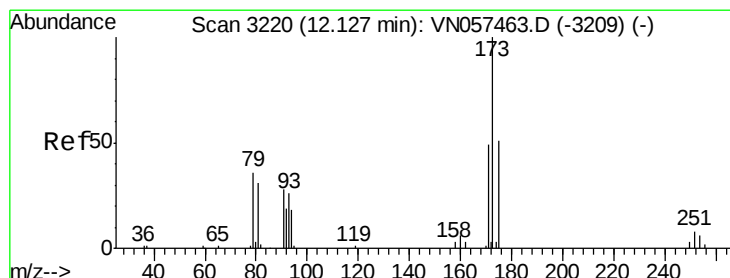
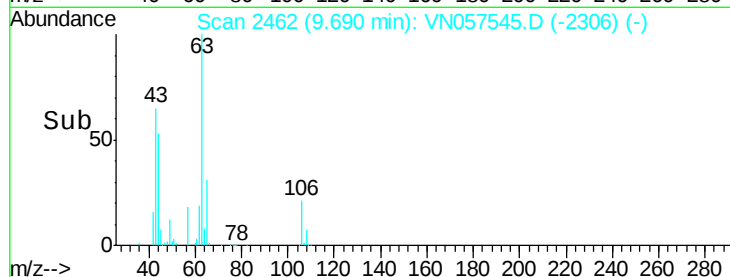
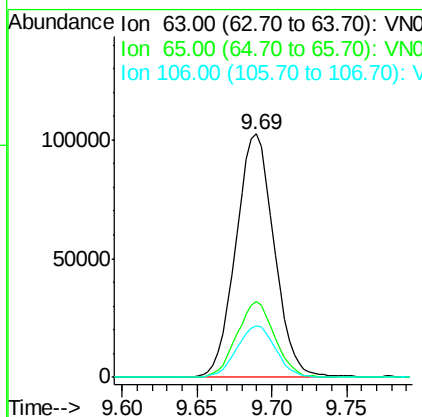
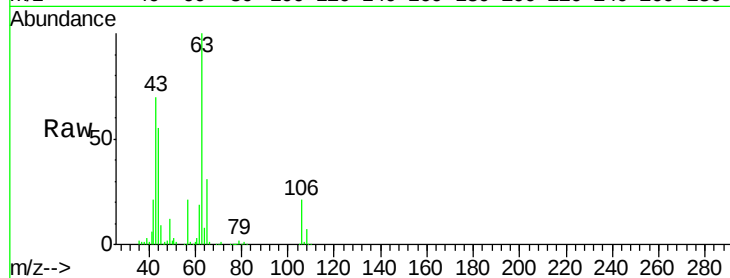
ClientSampleId :

VN0827WBS01

Tot Ion:	63	Resp:	183094
Ion Ratio	Lower	Upper	
63	100		
65	30.9	25.1	37.7
106	21.4	18.7	28.1

Manual Integrations
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#56

Bromoform

Concen: 17.427 ug/l

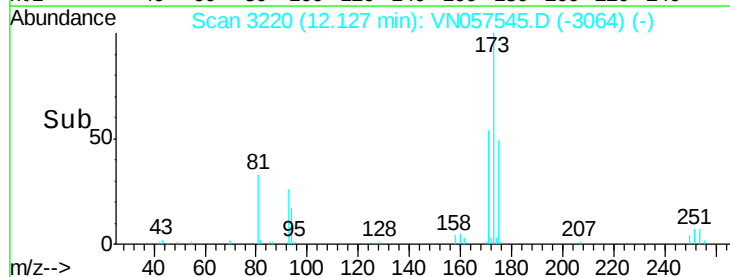
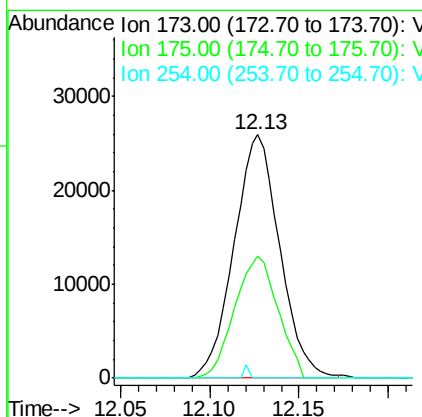
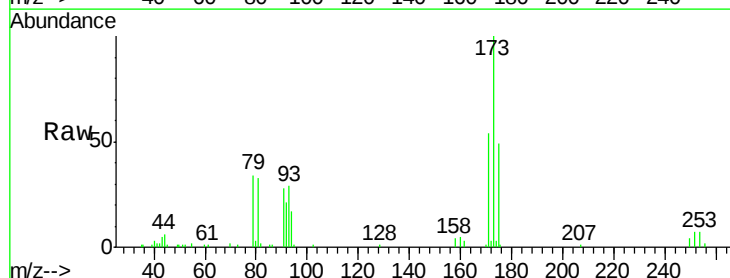
RT: 12.13 min Scan# 3220

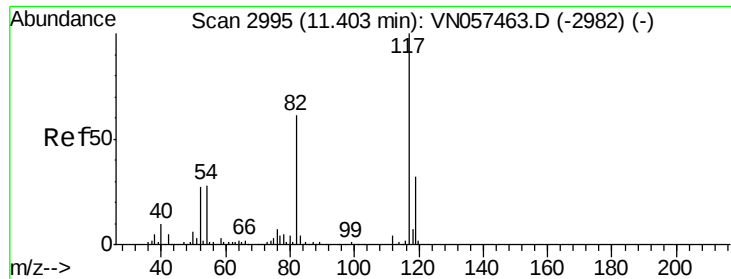
Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Tgt Ion:	173	Resp:	46317
Ion Ratio	Lower	Upper	
173	100		
175	47.3	40.1	60.1
254	0.0	0.0	0.0





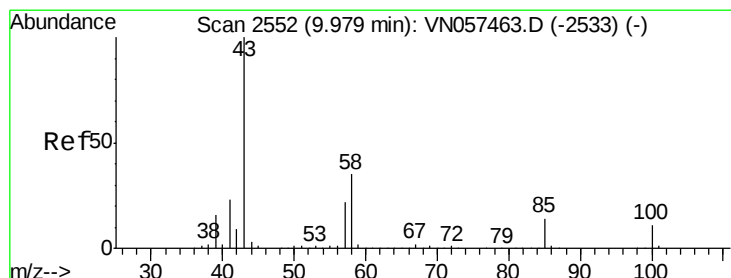
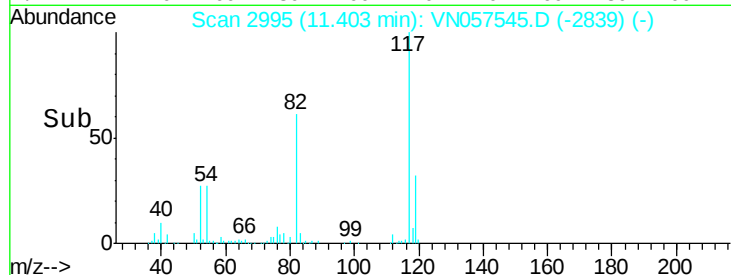
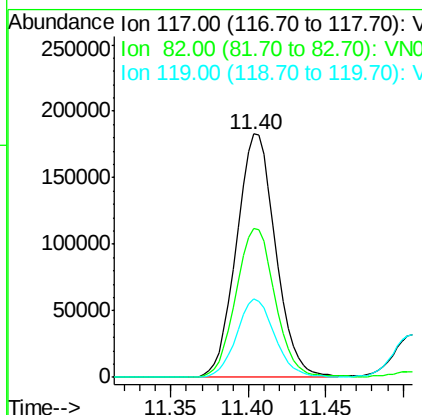
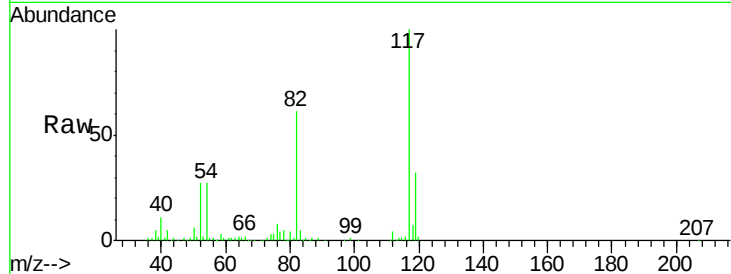
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	322095		
82	61.7		50.4	75.6
119	31.5		25.4	38.2

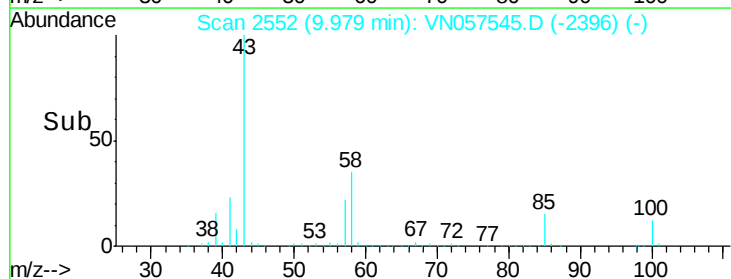
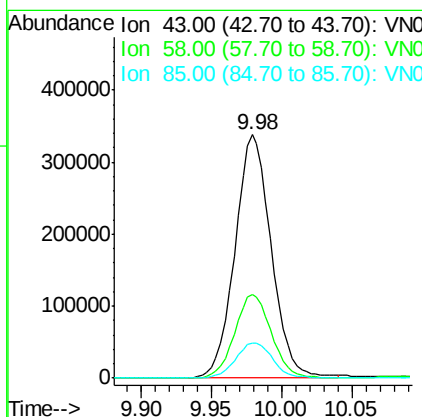
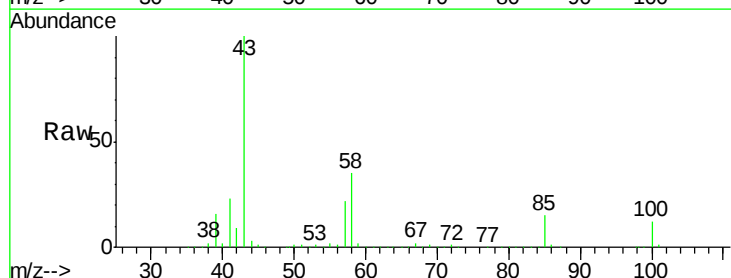
Manual Integrations
APPROVED

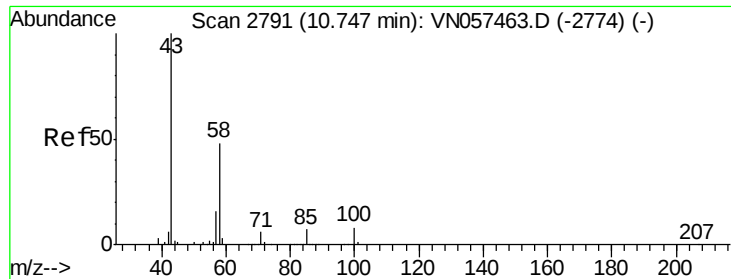
MMDadoda
8/28/2019 4:26:39 PM



#58
4-Methyl-2-Pentanone
Concen: 95.918 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	606079		
58	35.1		28.0	42.0
85	14.7		11.3	16.9





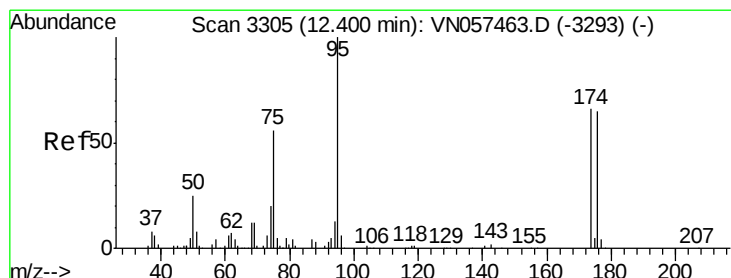
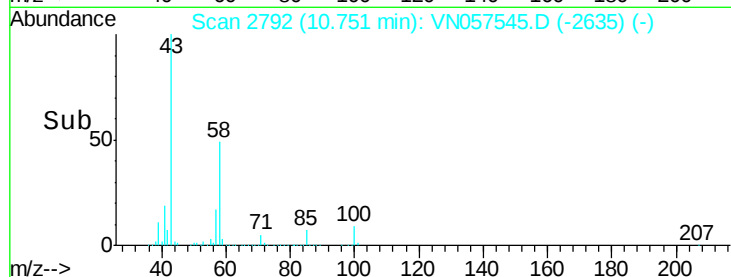
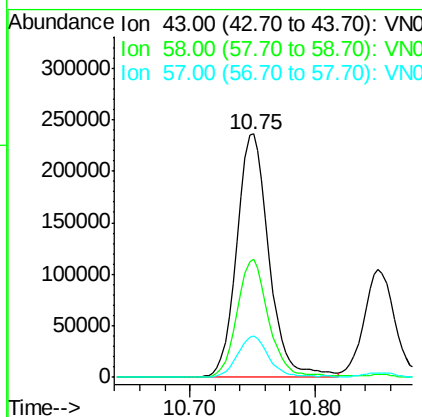
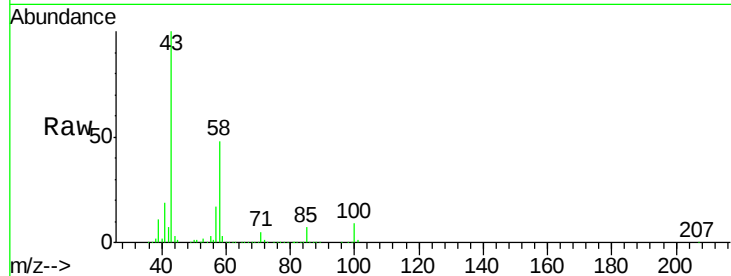
#59
2-Hexanone
Concen: 95.656 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	43	Resp	418949
Ion Ratio	Lower	Upper	
43	100		
58	47.9	38.9	58.3
57	16.6	13.0	19.4

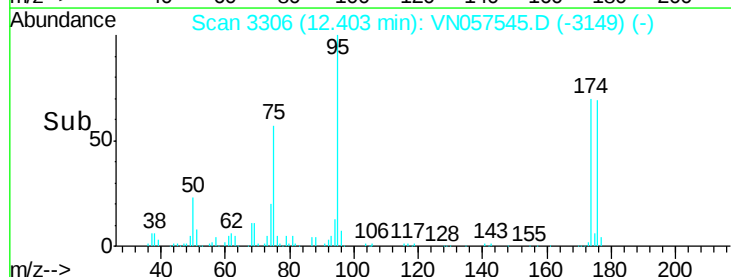
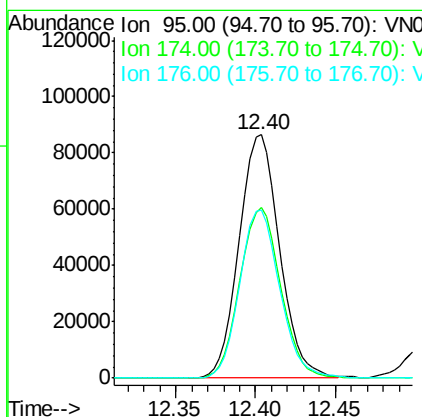
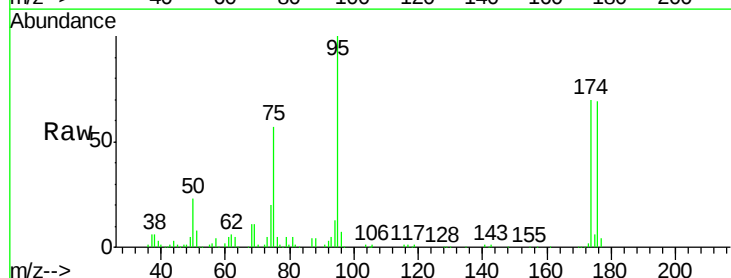
Manual Integrations
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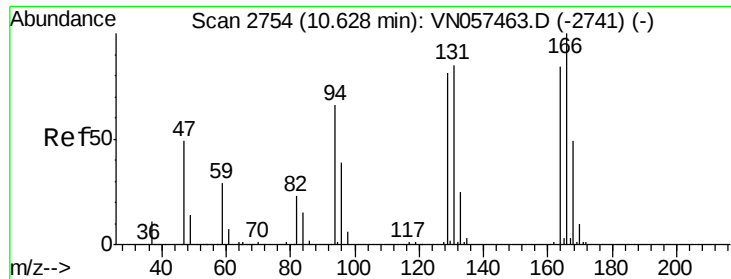
MMDadoda
8/28/2019 4:26:39 PM



#60
4-Bromofluorobenzene
Concen: 28.132 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	95	Resp	149421
Ion Ratio	Lower	Upper	
95	100		
174	70.6	54.9	82.3
176	68.6	54.2	81.4





#61

Tetrachloroethene

Concen: 20.692 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion:164 Resp: 76432

Ion Ratio Lower Upper

164 100

166 124.7 95.8 143.6

129 102.4 77.2 115.8

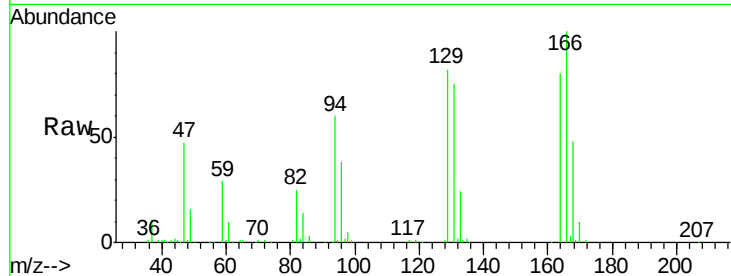
131 92.9 81.1 121.7

Manual Integrations

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8/28/2019 4:26:39 PM

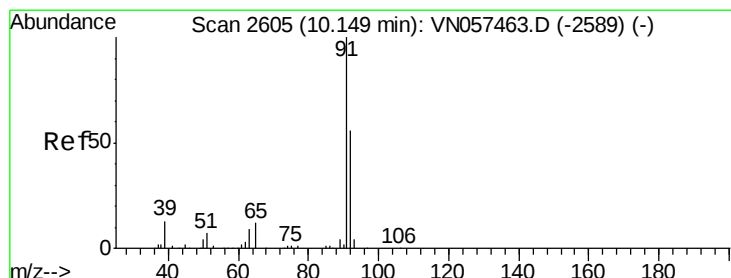
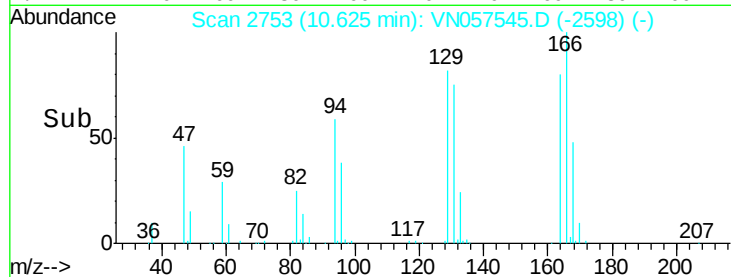
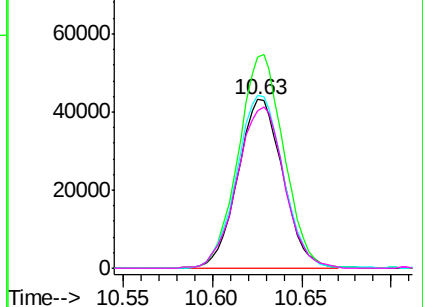


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.271 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057545.D

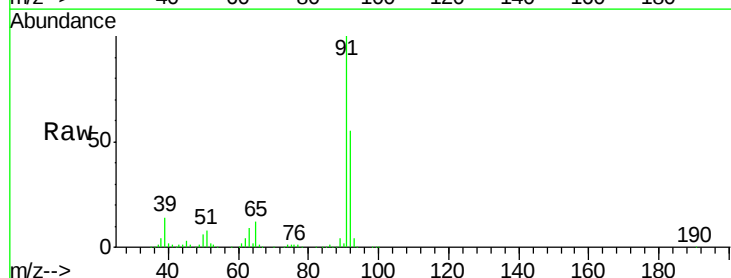
Acq: 27 Aug 2019 10:44

Tgt Ion: 91 Resp: 399047

Ion Ratio Lower Upper

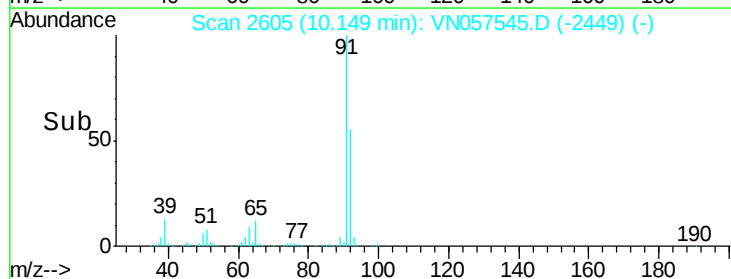
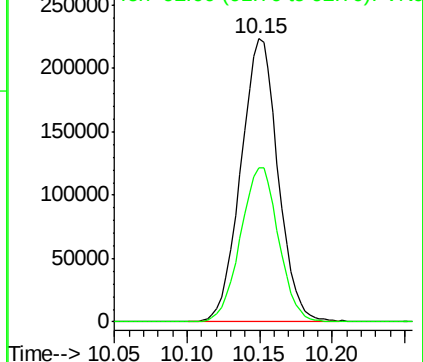
91 100

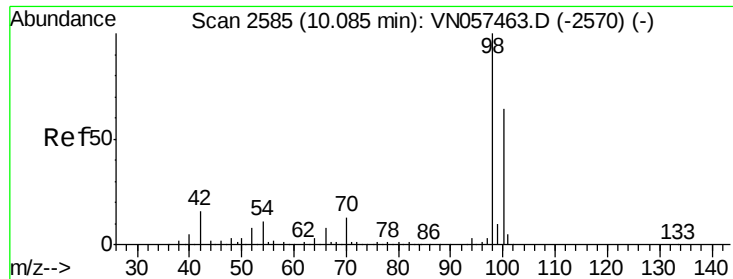
92 56.0 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





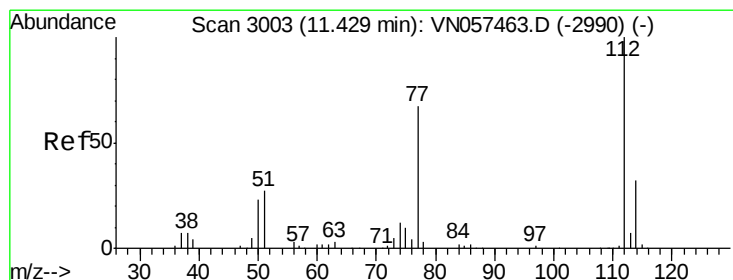
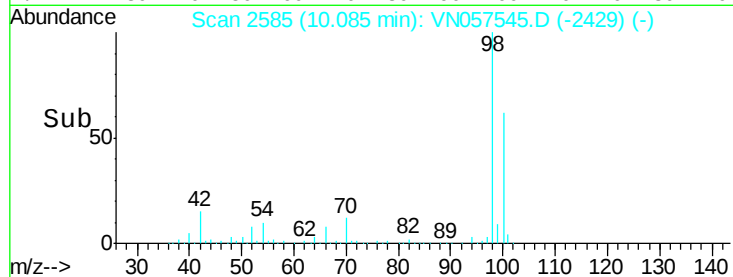
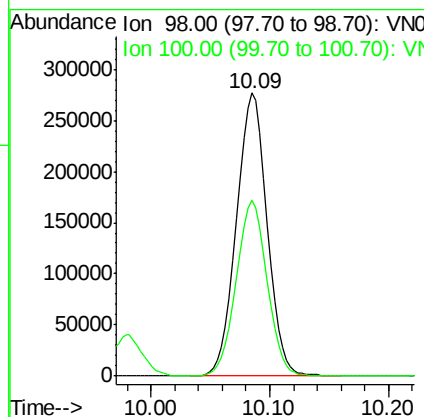
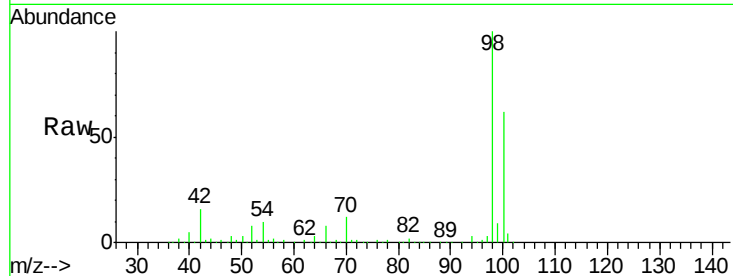
#63
Toluene-d8
Concen: 30.409 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion: 98 Resp: 494626
Ion Ratio Lower Upper
98 100
100 62.5 51.0 76.6

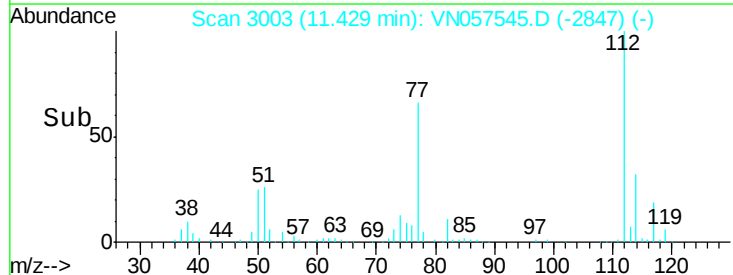
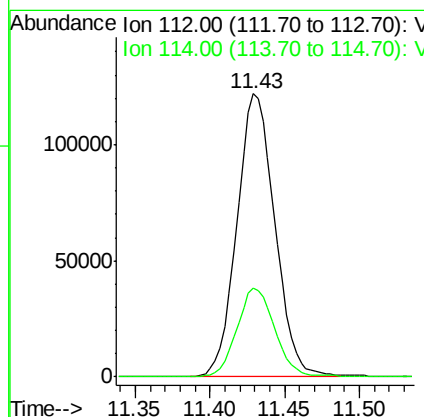
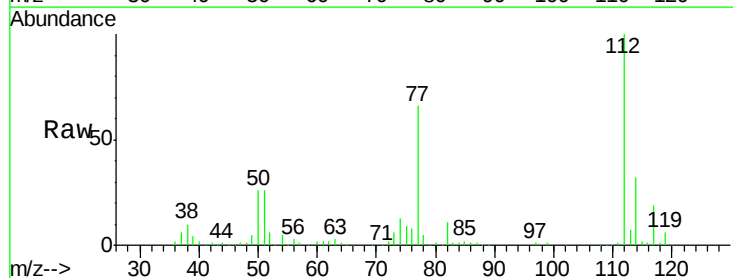
Manual Integrations
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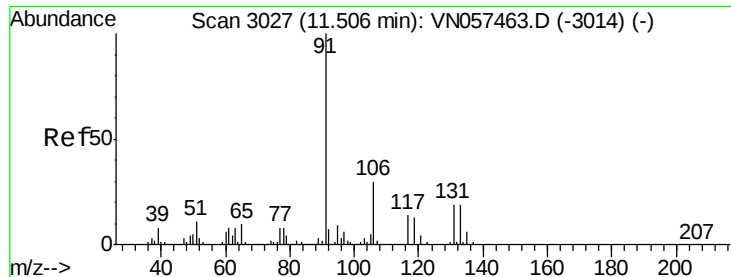
MMDadoda
8/28/2019 4:26:39 PM



#64
Chlorobenzene
Concen: 20.127 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion: 112 Resp: 215403
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.615 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

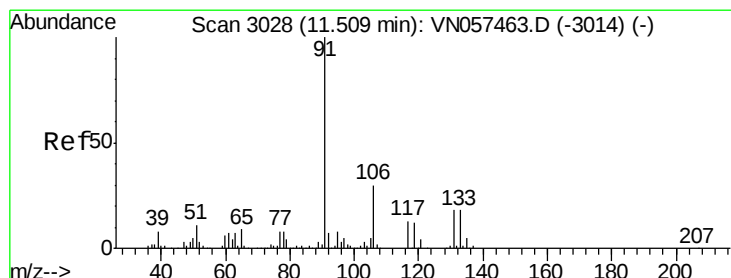
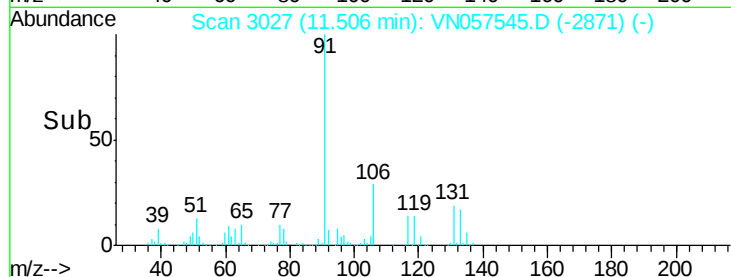
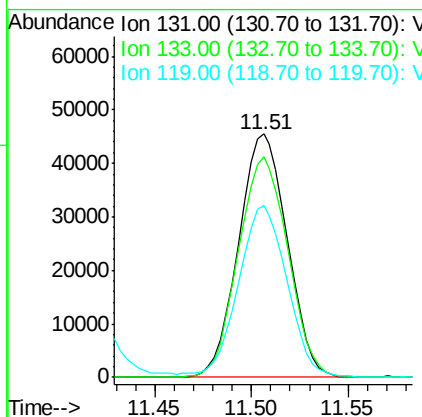
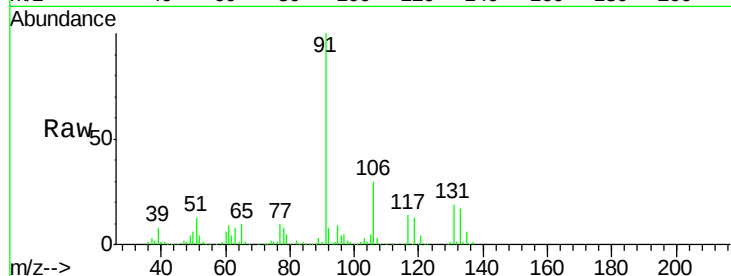
ClientSampleId :

VN0827WBS01

Tot Ion:	131	Resp:	79778
Ion Ratio	Lower	Upper	
131	100		
133	92.6	0.0	193.6
119	70.4	0.0	137.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.861 ug/l

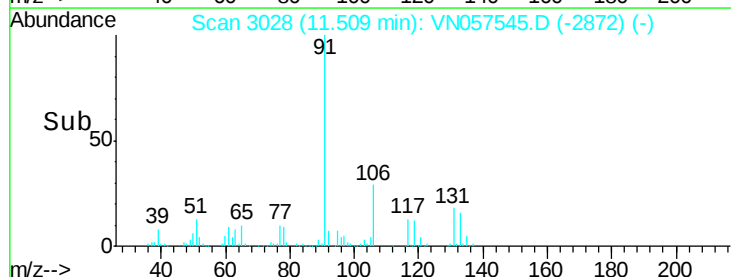
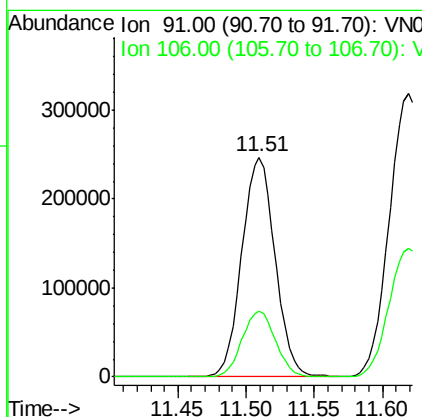
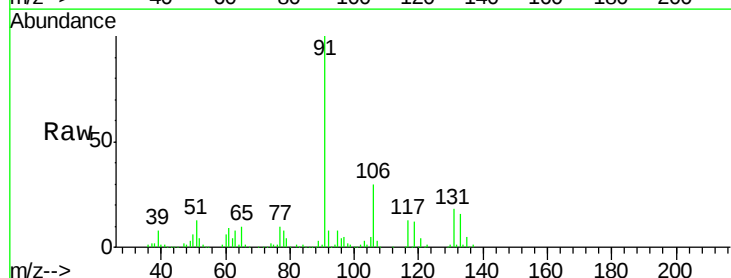
RT: 11.51 min Scan# 3028

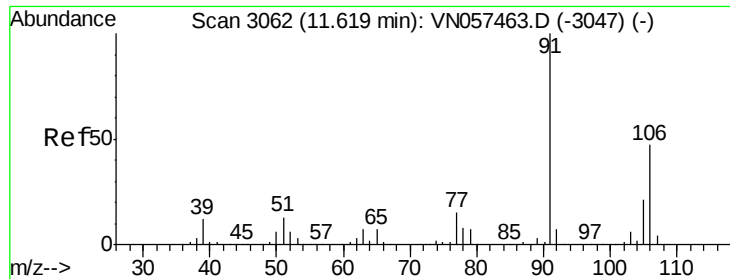
Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Tgt Ion:	91	Resp:	418430
Ion Ratio	Lower	Upper	
91	100		
106	30.0	23.6	35.4





#67

m/p-Xylenes

Concen: 39.761 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion:106 Resp: 290546

Ion Ratio Lower Upper

106 100

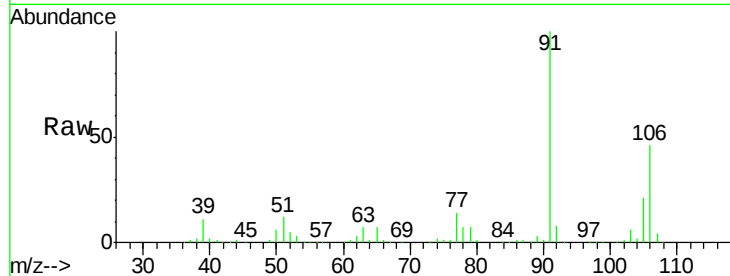
91 214.6 172.9 259.3

Manual Integrations

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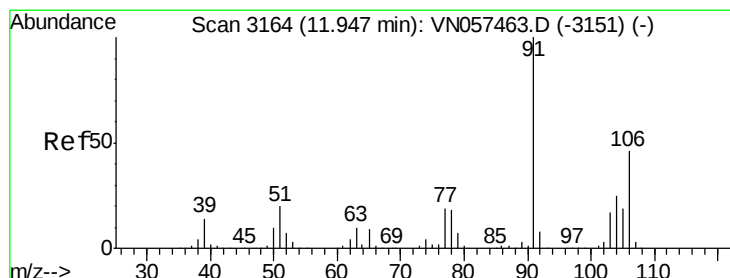
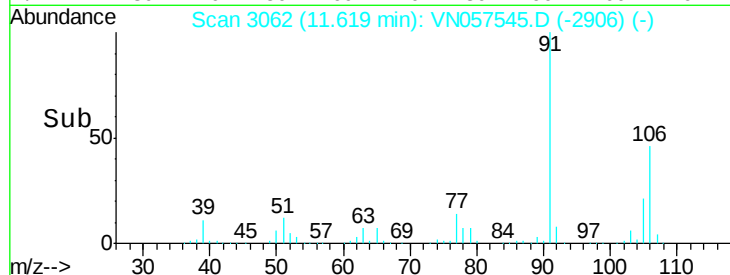
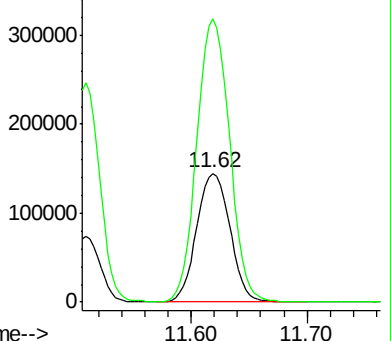
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.799 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057545.D

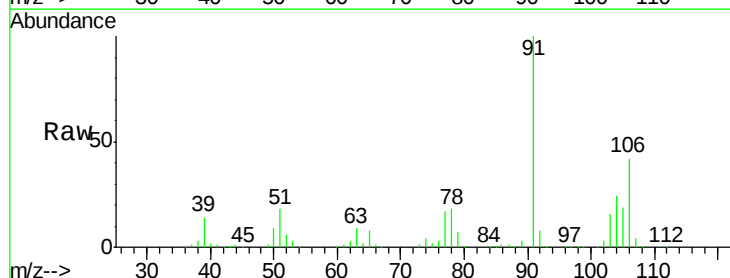
Acq: 27 Aug 2019 10:44

Tgt Ion:106 Resp: 142980

Ion Ratio Lower Upper

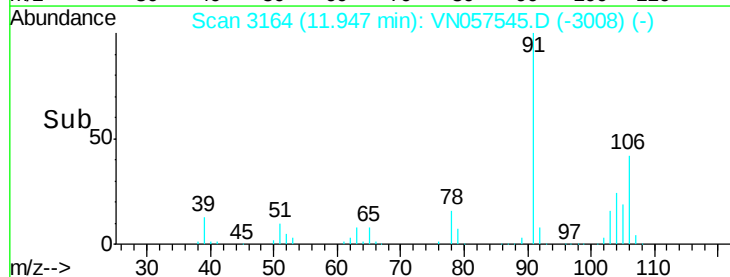
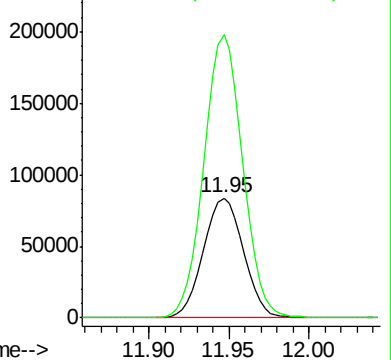
106 100

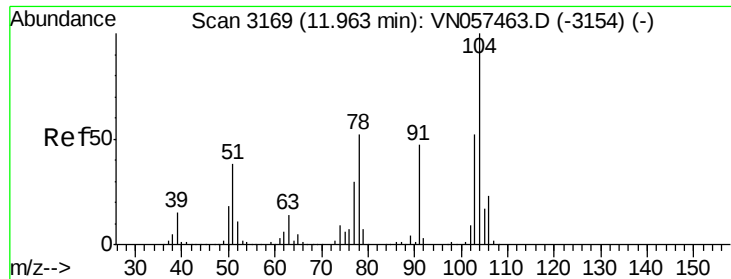
91 228.7 111.1 333.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





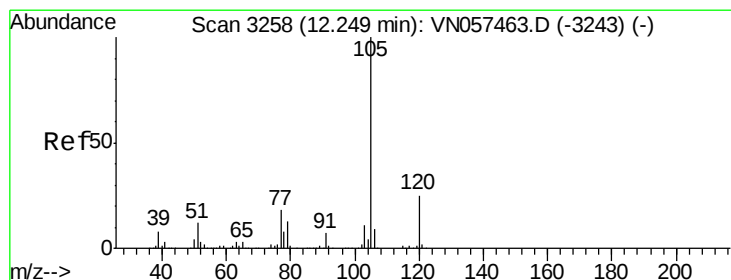
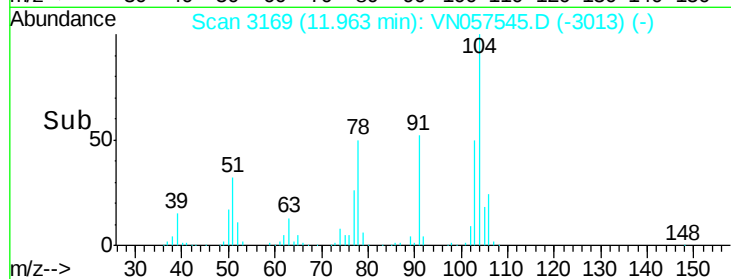
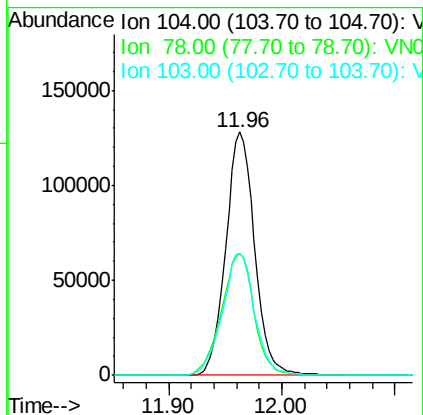
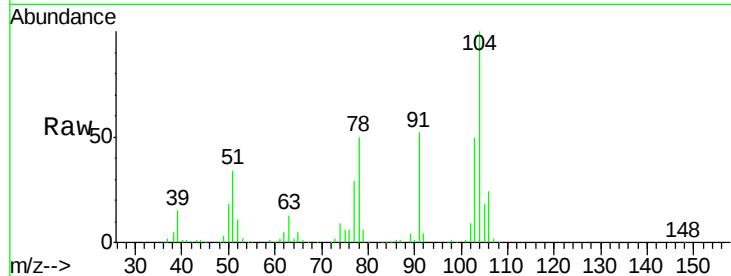
#69
Stvrene
Concen: 19.704 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.7	46.5	69.7
103	55.7	45.9	68.9

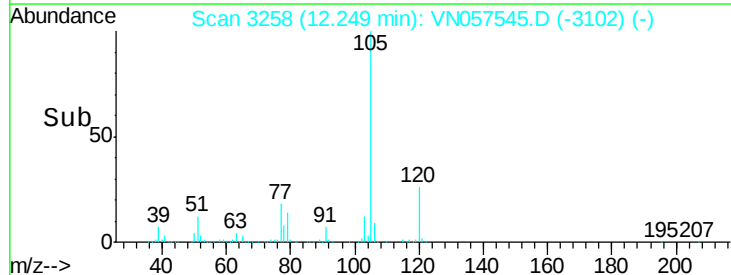
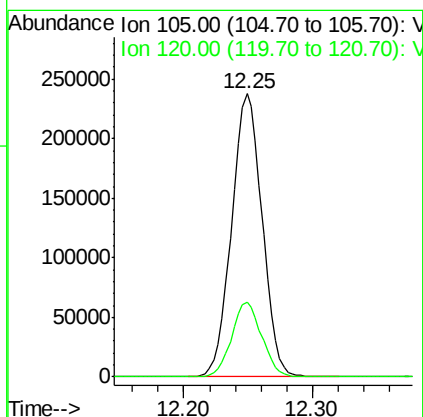
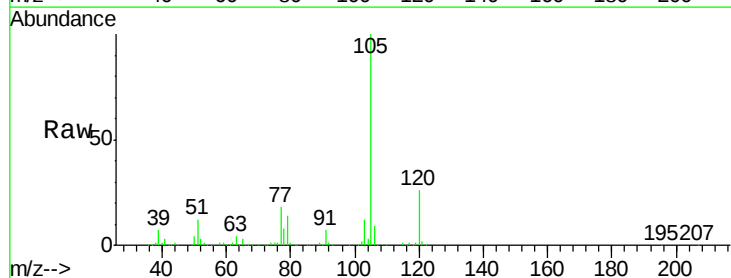
Manual Integrations
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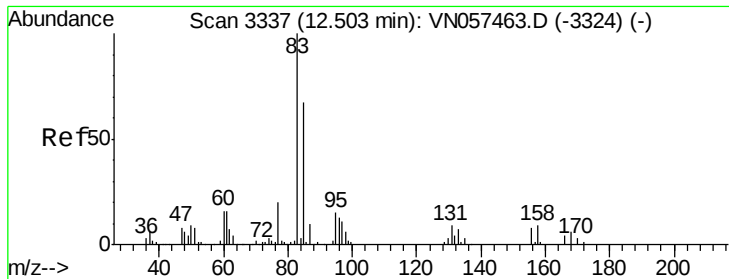
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#70
Isopropylbenzene
Concen: 20.163 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	17.8	33.1





#71

1,1,2,2-Tetrachloroethane

Concen: 20.215 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion: 83 Resp: 112935
Ion Ratio Lower Upper

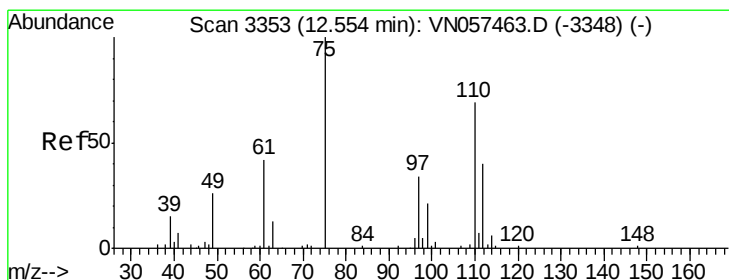
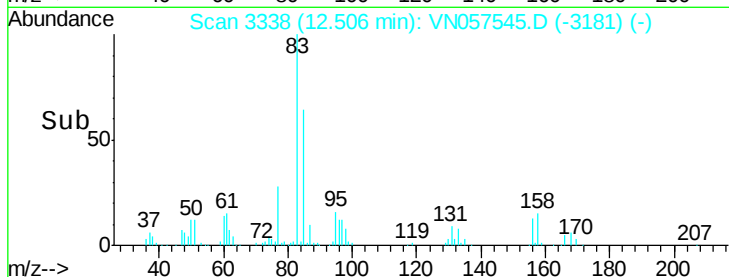
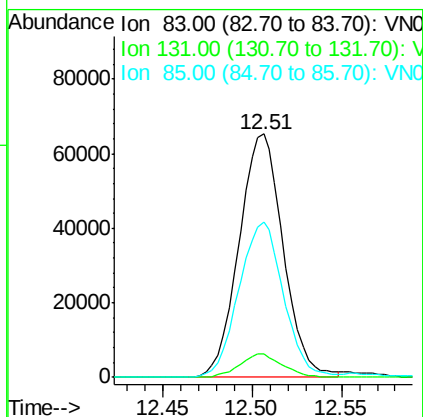
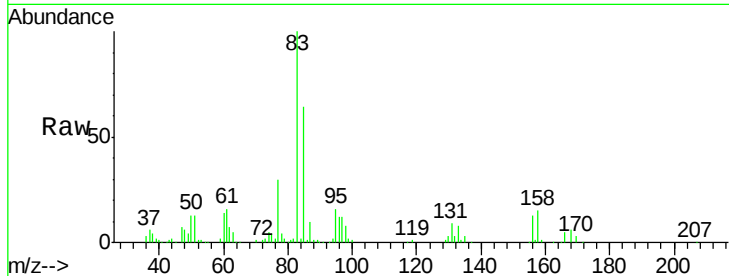
83 100

131 9.1 4.7 14.1

85 64.5 33.1 99.2

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 19.864 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

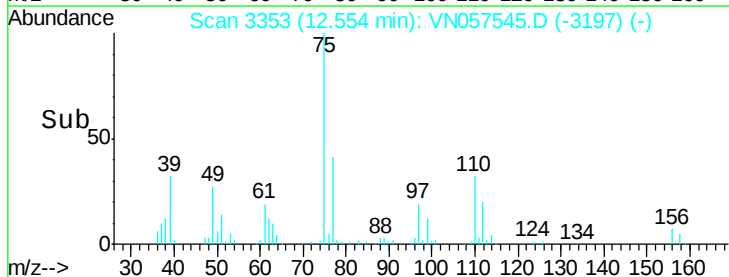
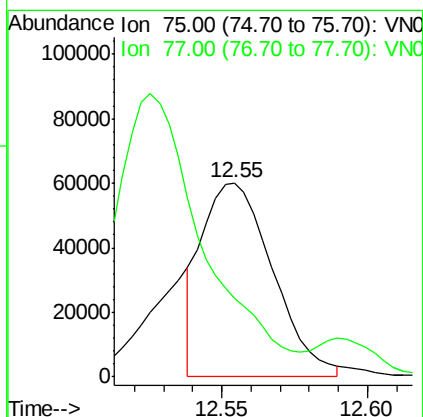
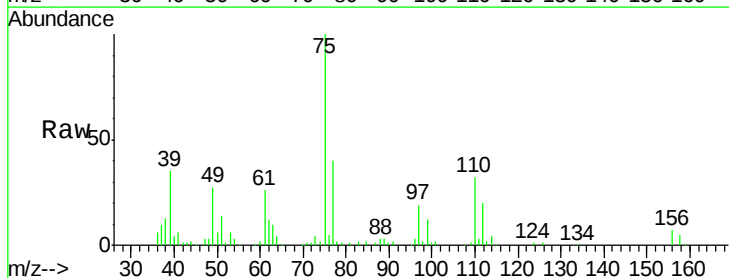
Lab File: VN057545.D

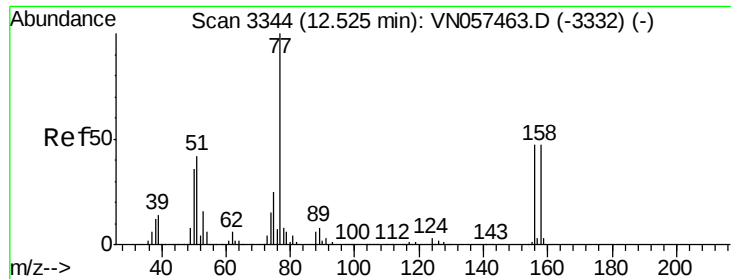
Acq: 27 Aug 2019 10:44

Tgt Ion: 75 Resp: 100739
Ion Ratio Lower Upper

75 100

77 186.5 0.0 380.2





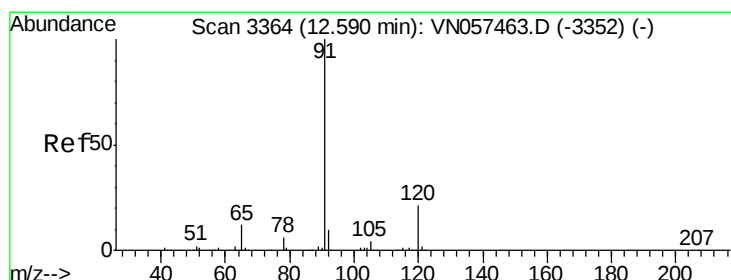
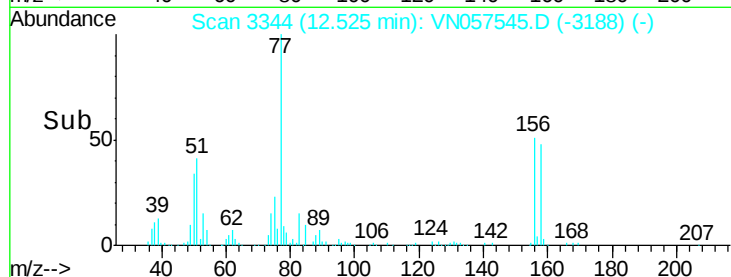
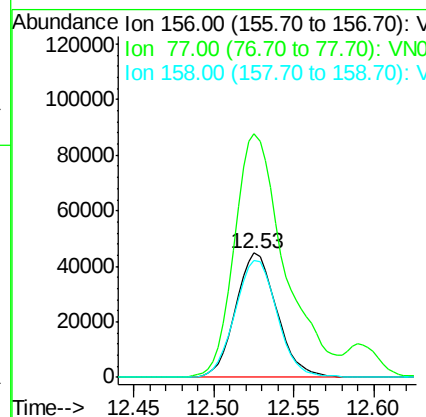
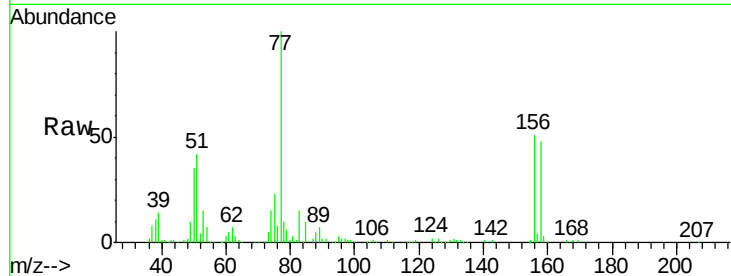
#73
Bromobenzene
Concen: 20.079 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		78513		
77	239.3	0.0	506.8		
158	96.2	0.0	196.6		

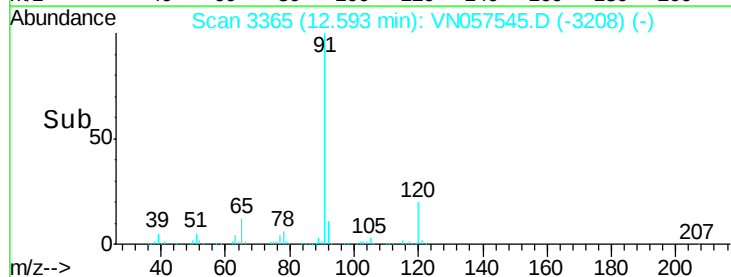
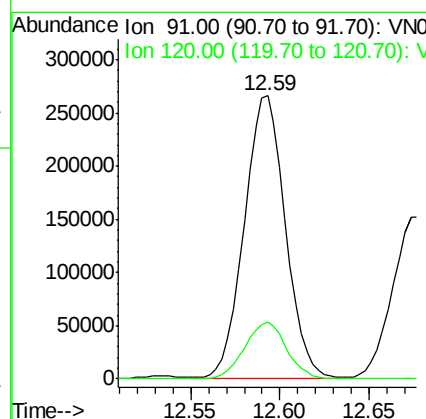
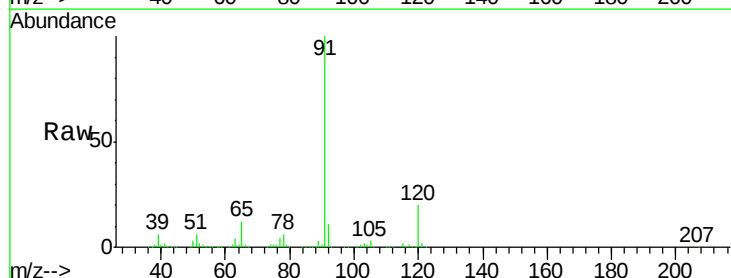
Manual Integrations
APPROVED

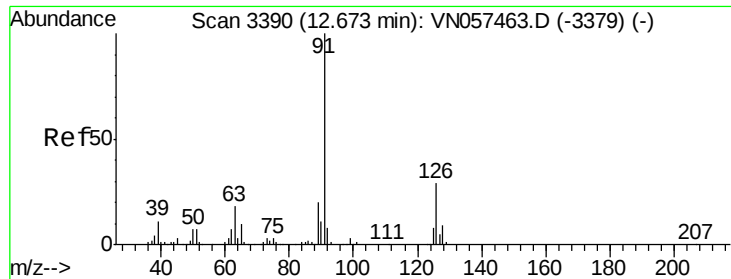
MMDadoda
8/28/2019 4:26:39 PM



#74
n-propylbenzene
Concen: 19.439 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		428216		
120	20.4	0.0	42.2		





#75

2-Chlorotoluene

Concen: 19.859 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion: 91 Resp: 257632

Ion Ratio Lower Upper

91 100

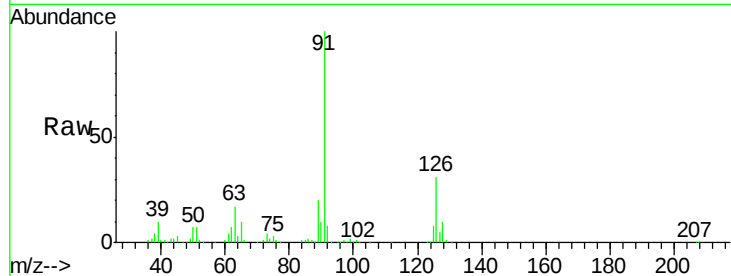
126 31.1 0.0 60.4

Manual Integrations

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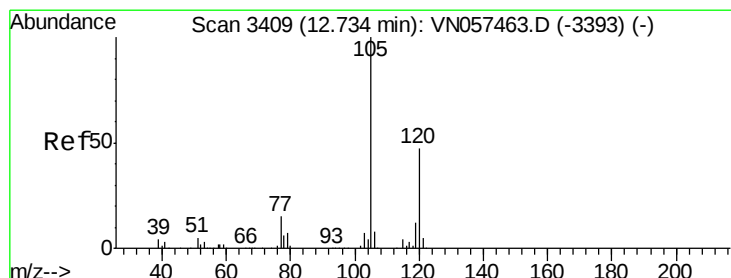
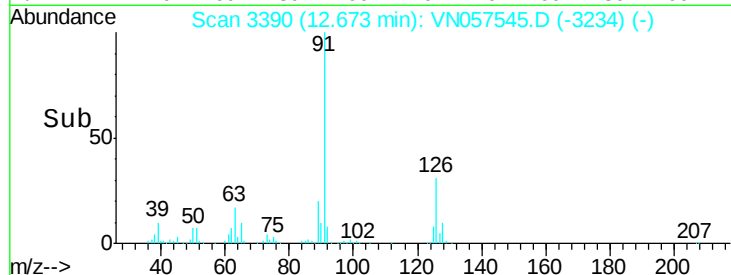
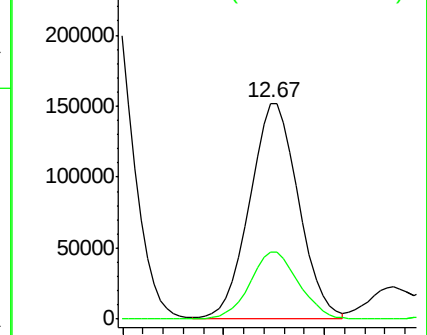
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN057463.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057463.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.527 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057545.D

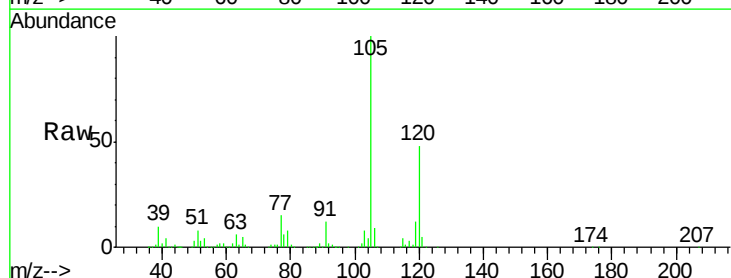
Acq: 27 Aug 2019 10:44

Tgt Ion: 105 Resp: 309592

Ion Ratio Lower Upper

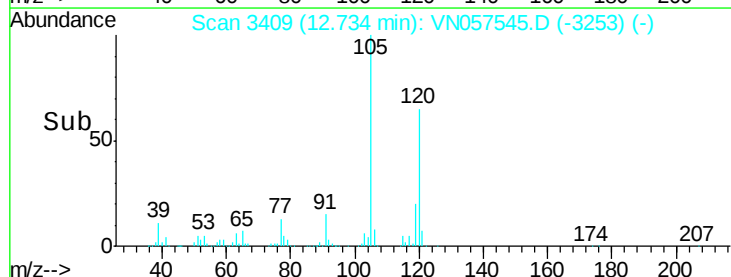
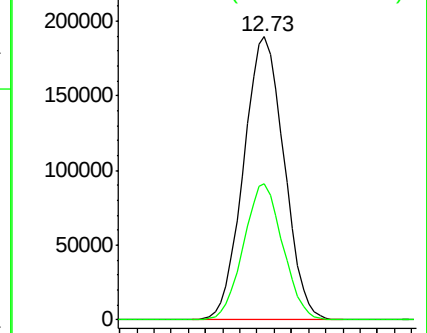
105 100

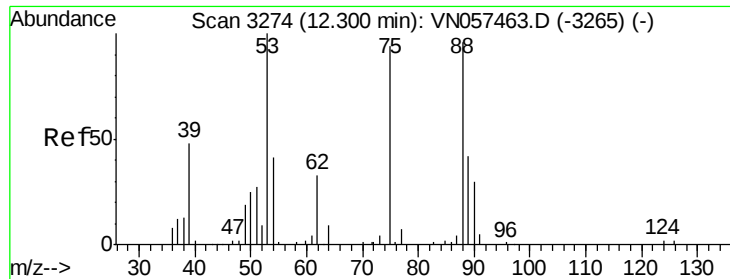
120 46.7 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057463.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057463.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.872 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

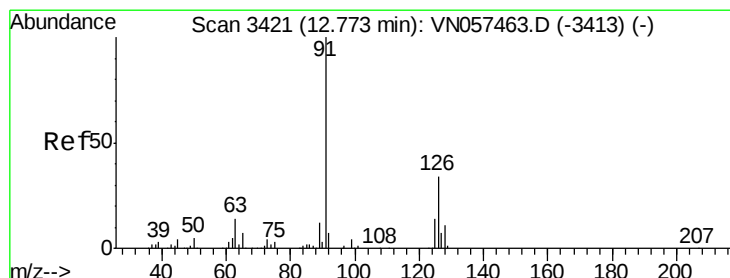
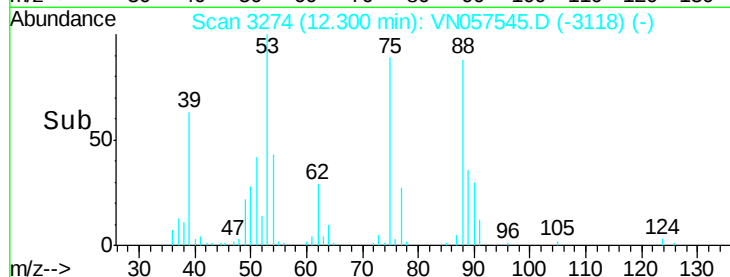
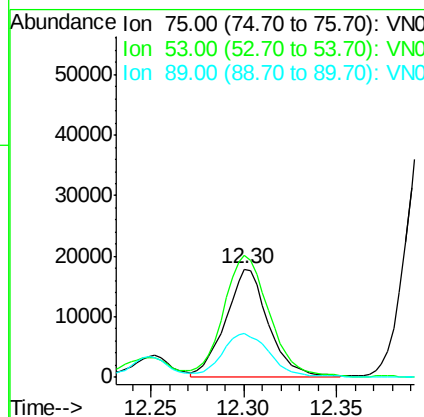
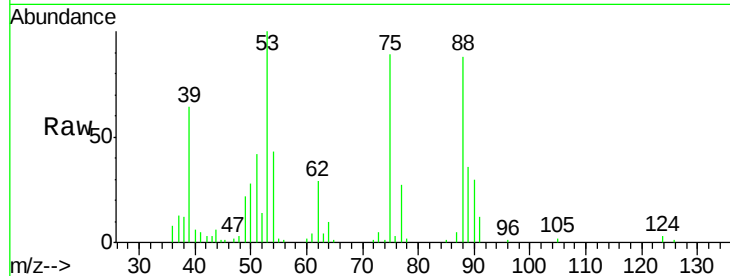
ClientSampled :

VN0827WBS01

Tot Ion:	75	Resp:	28866
Ion	Ratio	Lower	Upper
75	100		
53	112.6	55.6	166.9
89	39.7	23.8	71.4

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.720 ug/l

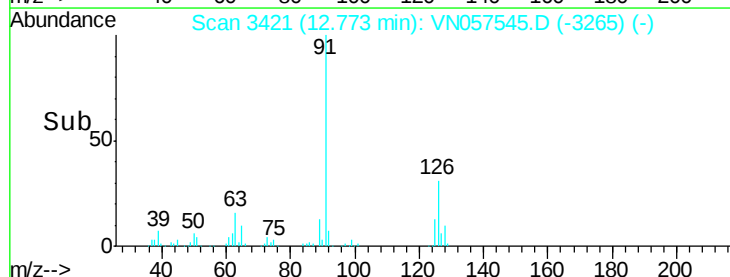
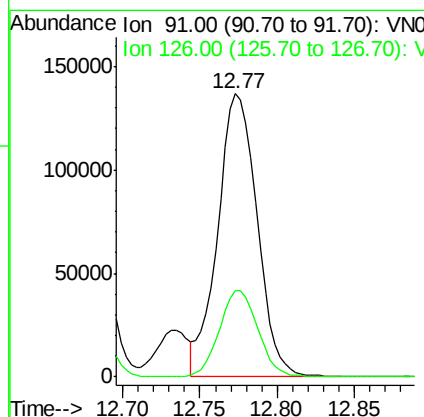
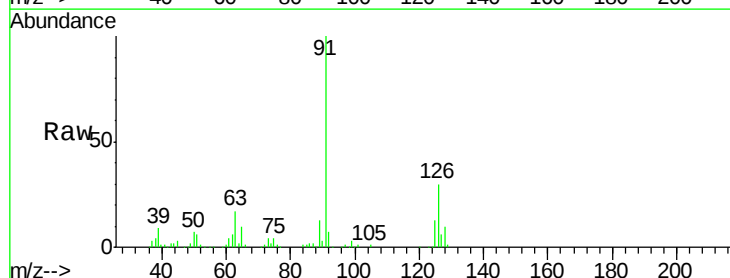
RT: 12.77 min Scan# 3421

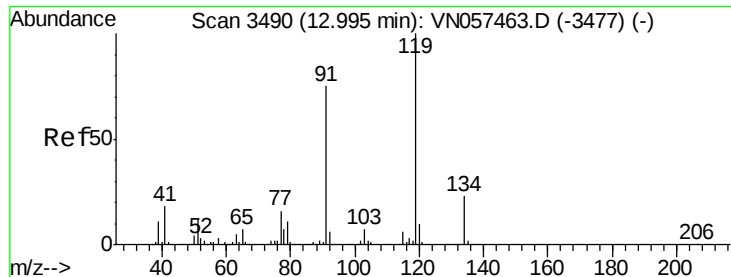
Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Tgt Ion:	91	Resp:	241735
Ion	Ratio	Lower	Upper
91	100		
126	30.0	0.0	61.6





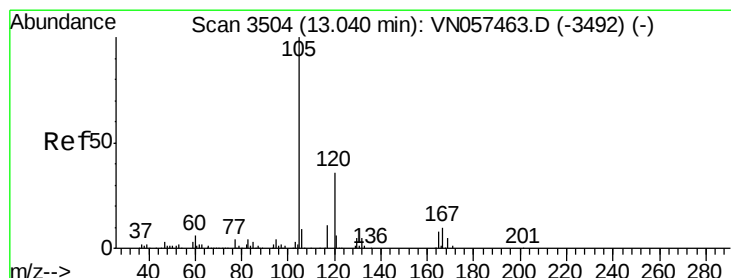
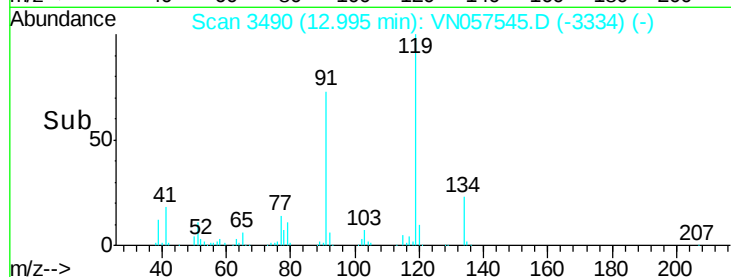
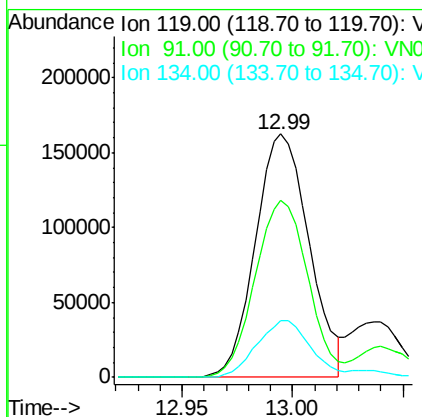
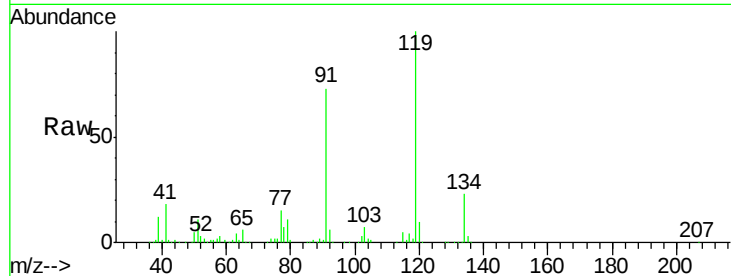
#79
tert-butylbenzene
Concen: 20.306 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	273945		
91	72.1	0.0	146.6	
134	23.3	0.0	46.2	

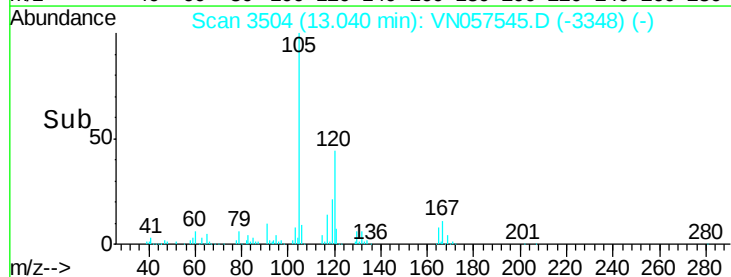
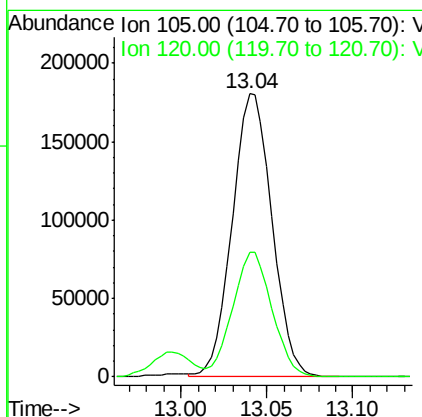
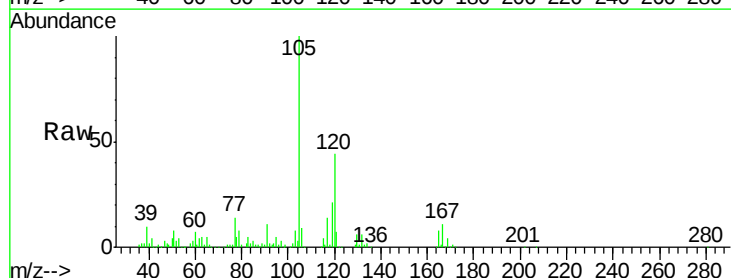
Manual Integrations
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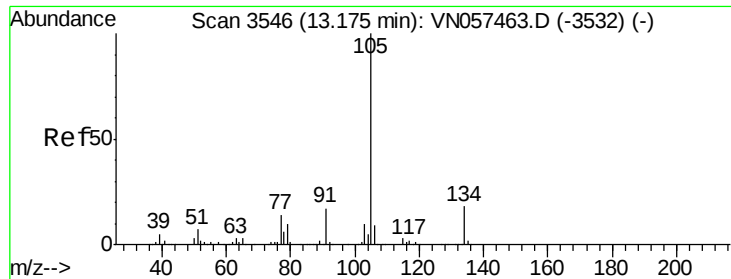
MMDadoda
8/28/2019 4:26:39 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.640 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	290290		
120	43.5	0.0	85.4	





#81

sec-Butylbenzene

Concen: 19.581 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion:105 Resp: 348097

Ion Ratio Lower Upper

105 100

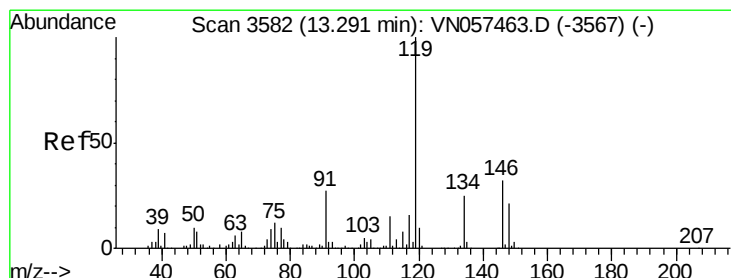
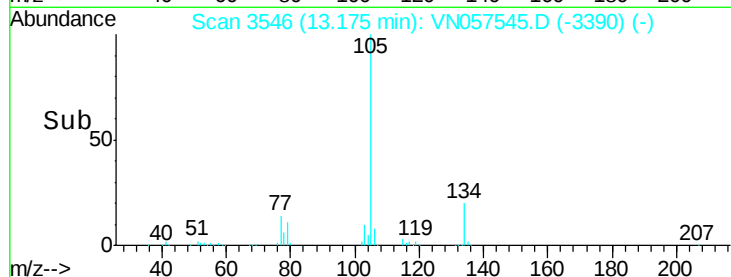
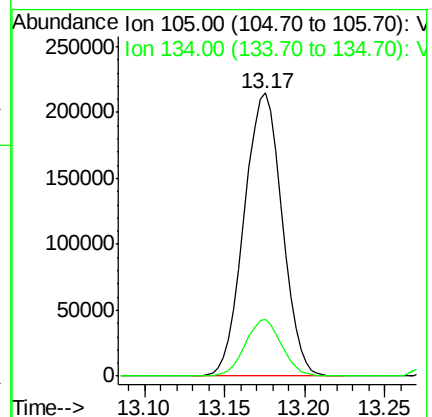
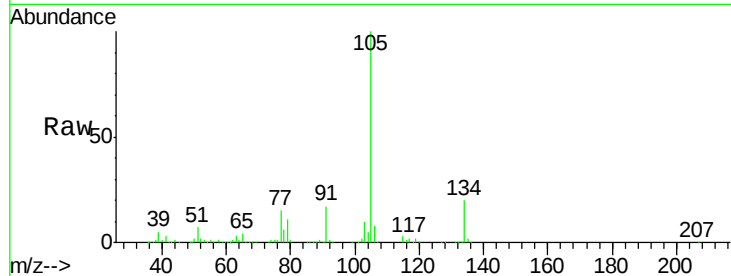
134 19.2 0.0 36.0

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 19.094 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

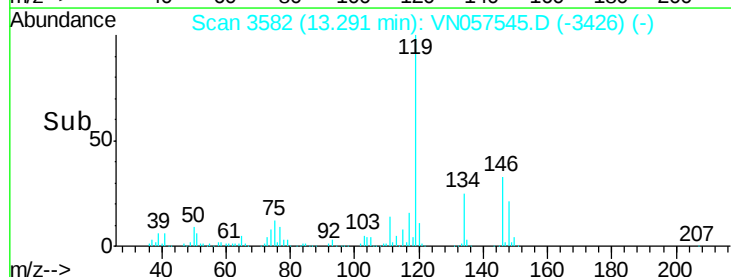
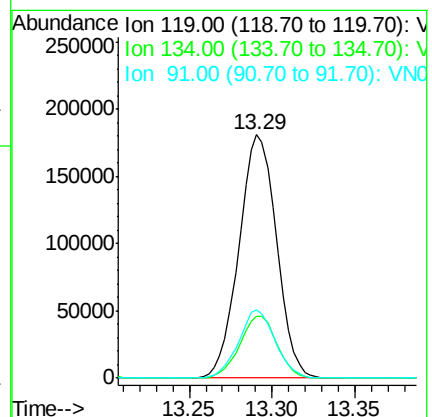
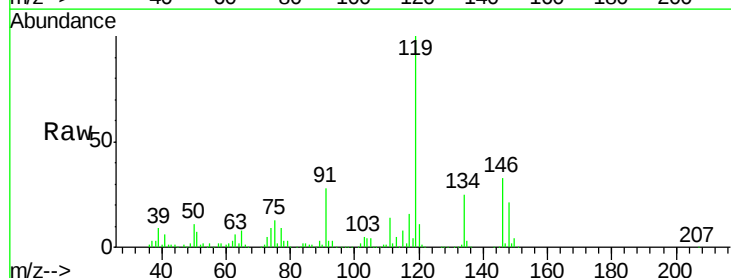
Tgt Ion:119 Resp: 285375

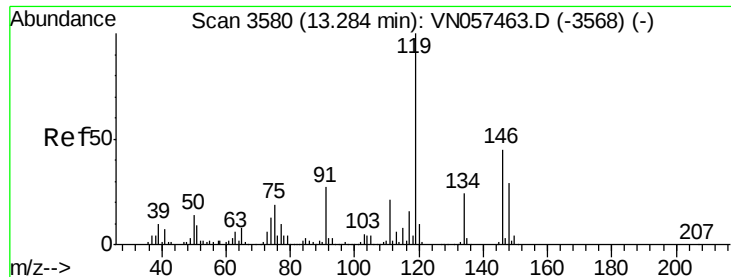
Ion Ratio Lower Upper

119 100

134 25.1 0.0 49.6

91 27.4 0.0 55.2





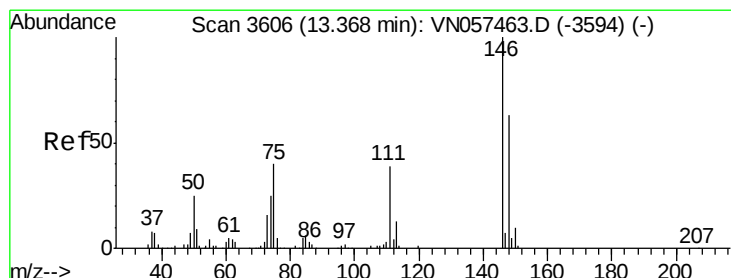
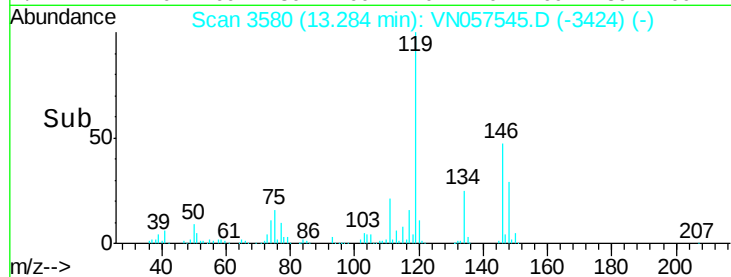
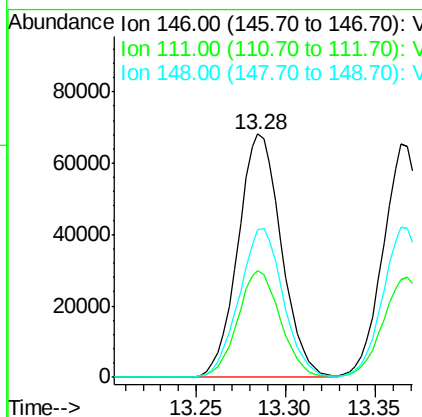
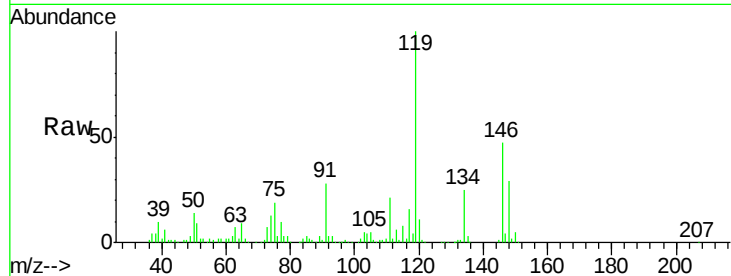
#83
 1,3-Dichlorobenzene
 Concen: 18.981 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.4	67.0
148	62.0	31.8	95.4

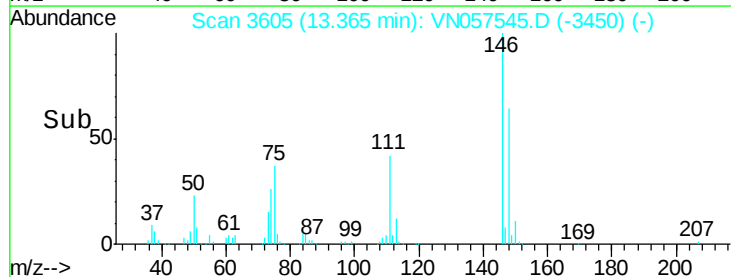
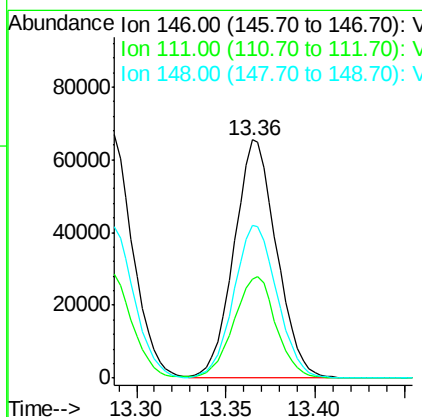
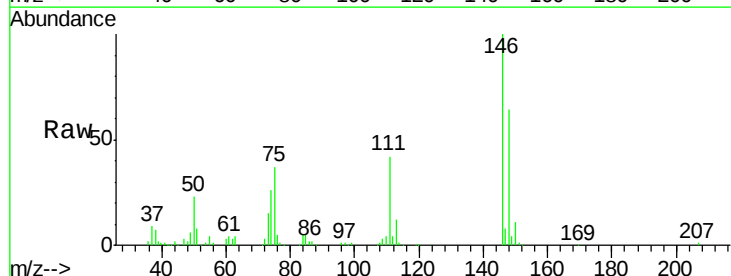
Manual Integrations
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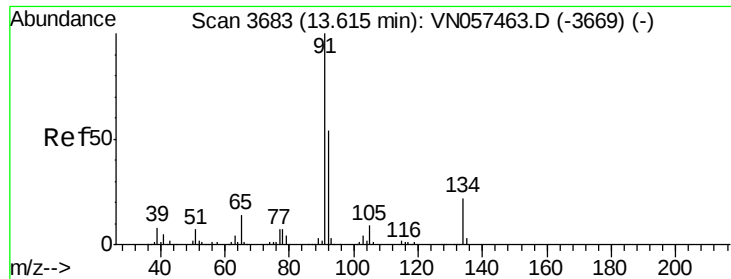
MMDadoda
 8/28/2019 4:26:39 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.324 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.5	61.5
148	65.7	31.9	95.7





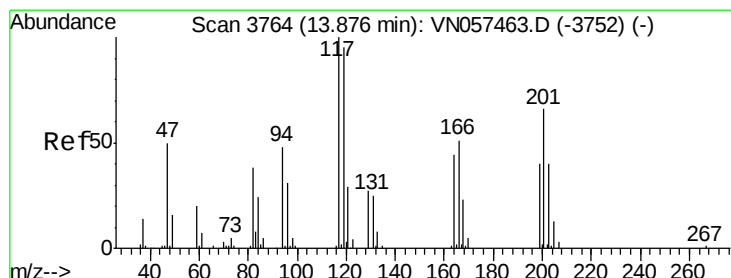
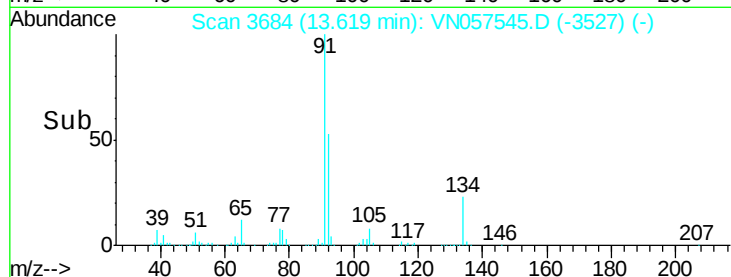
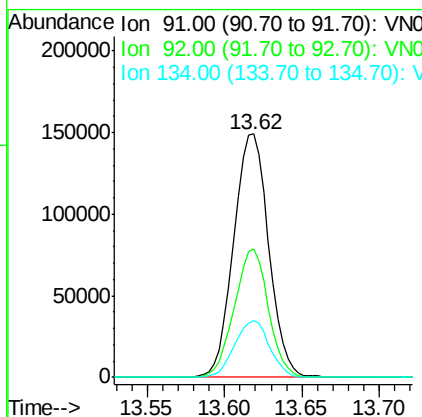
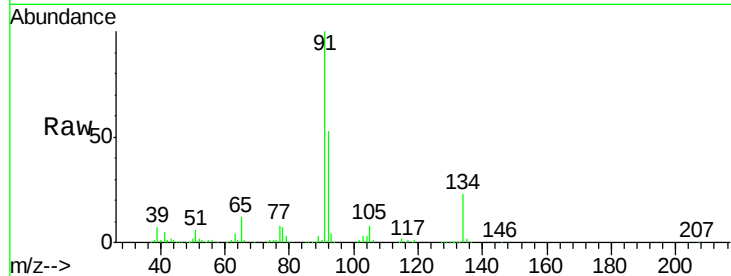
#85
n-Butylbenzene
Concen: 17.971 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	234154		
92	51.3	0.0	105.6	
134	23.3	0.0	46.0	

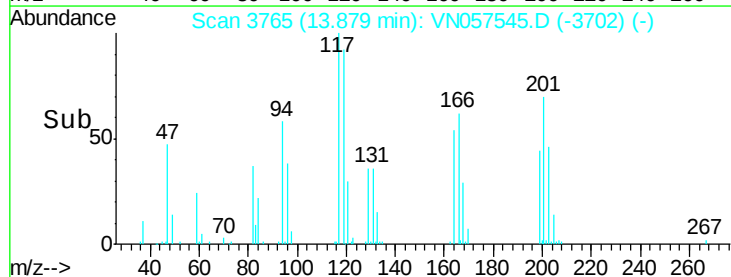
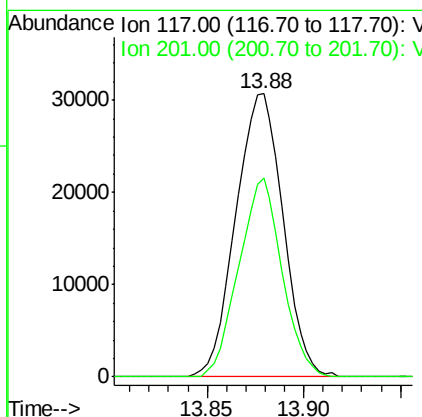
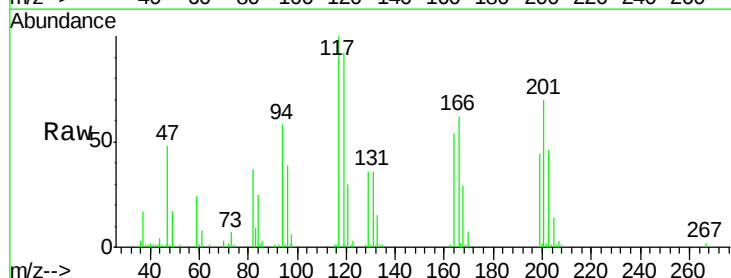
Manual Integrations
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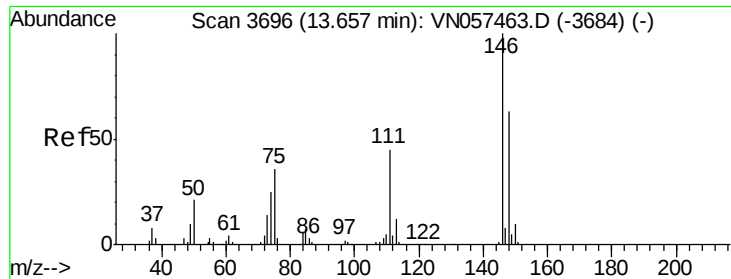
MMDadoda
8/28/2019 4:26:39 PM



#86
Hexachloroethane
Concen: 17.295 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52156		
201	64.3	34.0	101.8	





#87

1,2-Dichlorobenzene

Concen: 19.656 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

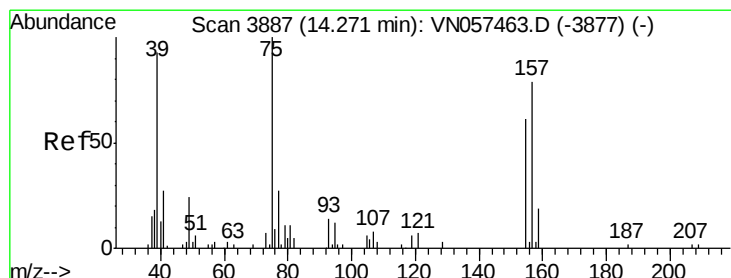
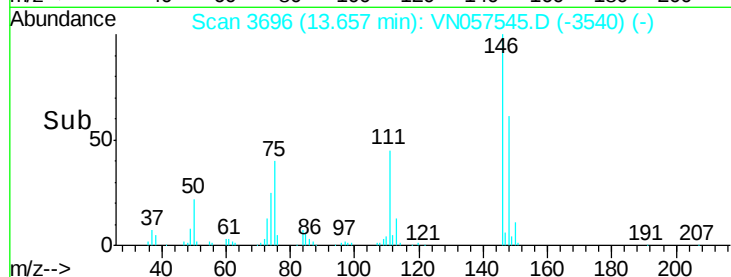
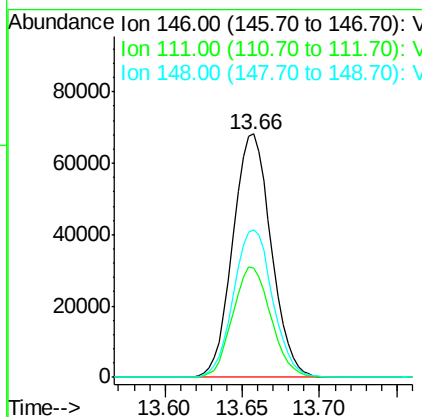
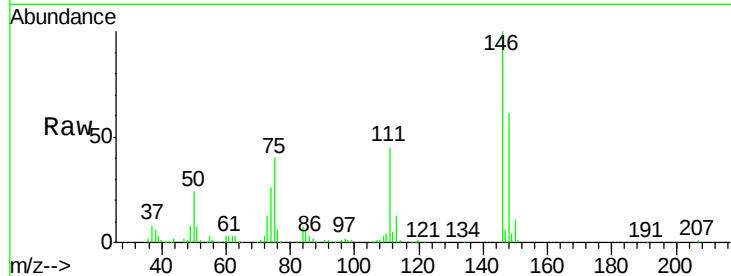
ClientSampleId :

VN0827WBS01

Tot Ion:	146	Resp:	117504
Ion Ratio	Lower	Upper	
146	100		
111	45.2	22.5	67.5
148	62.0	30.9	92.7

Manual Integrations
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8/28/2019 4:26:39 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.575 ug/l

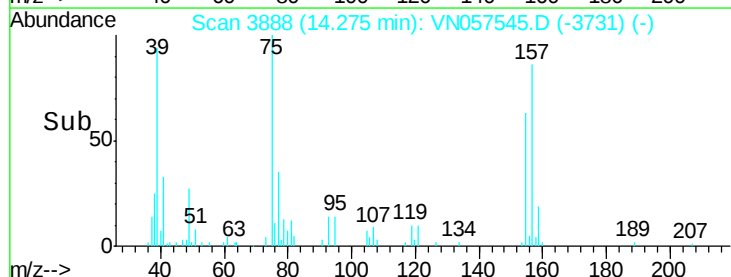
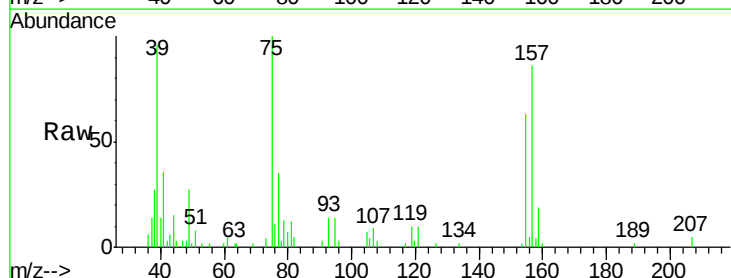
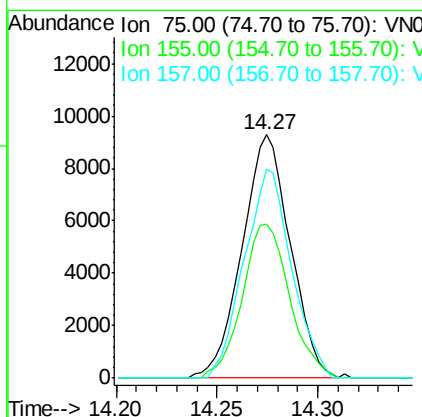
RT: 14.27 min Scan# 3888

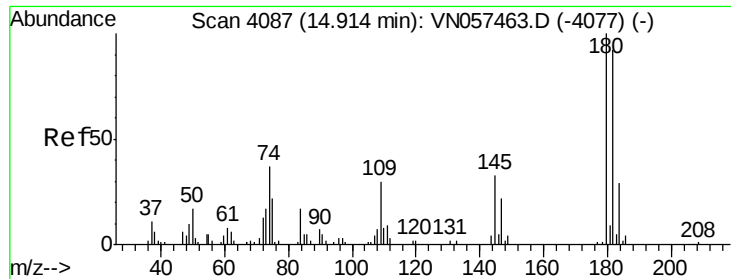
Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Tgt Ion:	75	Resp:	15540
Ion Ratio	Lower	Upper	
75	100		
155	61.9	53.7	80.5
157	84.2	63.5	95.3





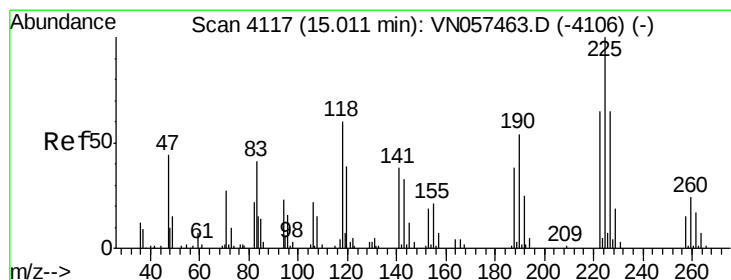
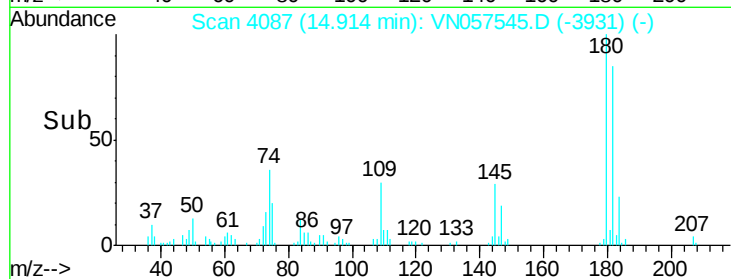
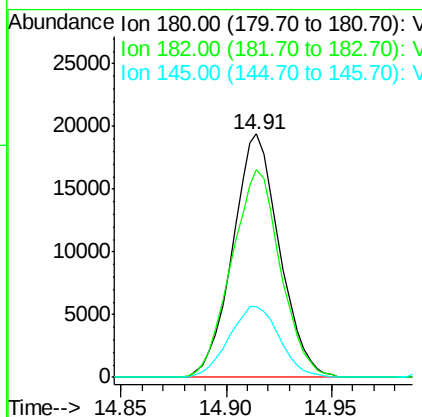
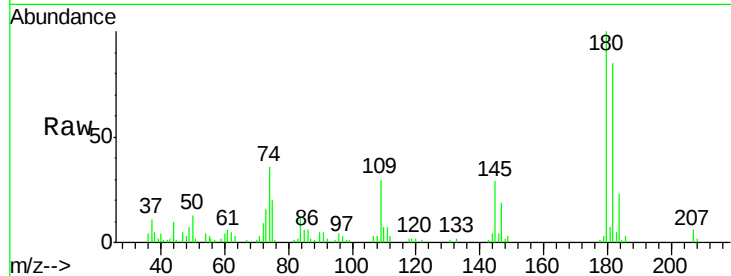
#89
 1,2,4-Trichlorobenzene
 Concen: 13.299 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.5	75.4	113.2
145	31.6	26.9	40.3

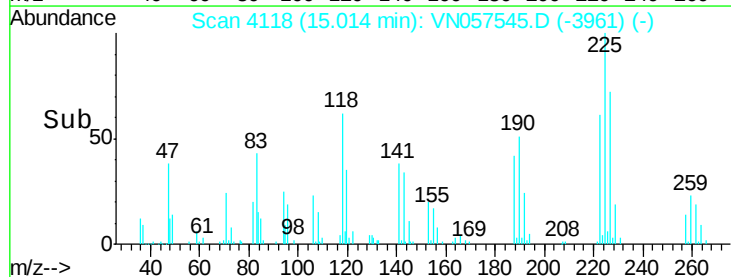
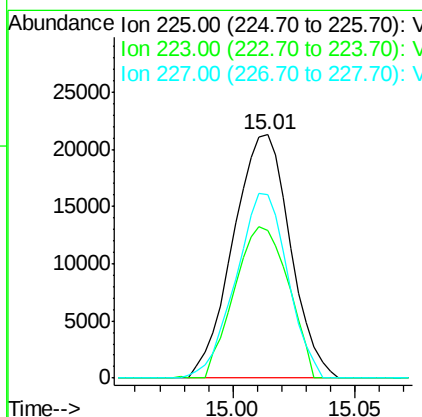
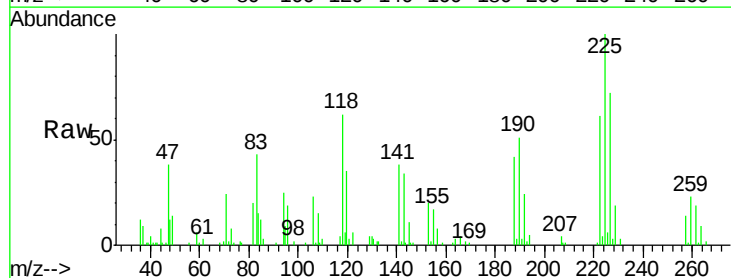
Manual Integrations
 APPROVED

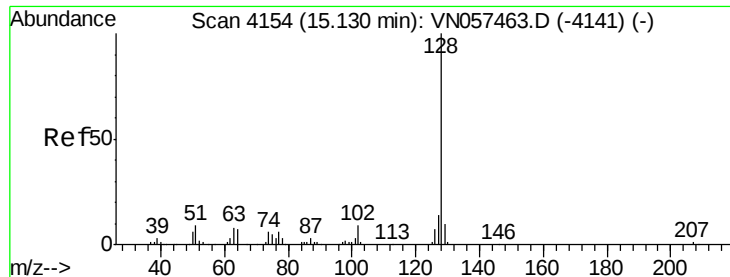
MMDadoda
 8/28/2019 4:26:39 PM



#90
 Hexachlorobutadiene
 Concen: 20.031 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.0	0.0	123.6
227	68.9	0.0	126.6





#91

Naphthalene

Concen: 18.628 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

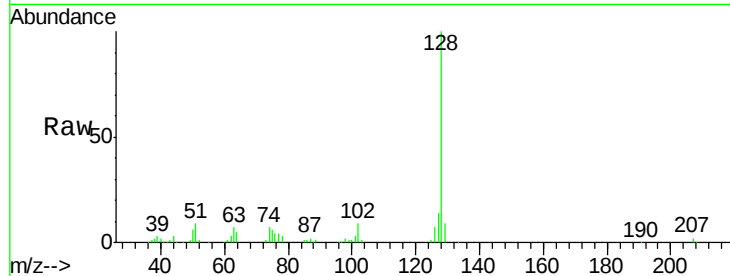
ClientSampleId :

VN0827WBS01

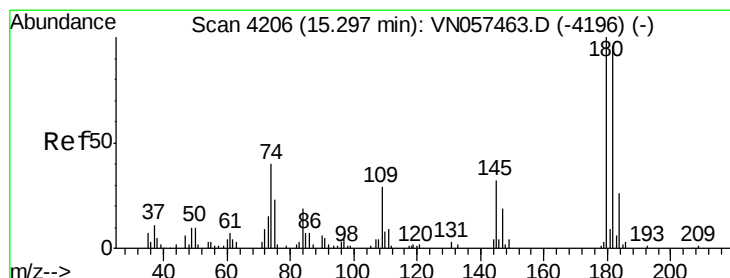
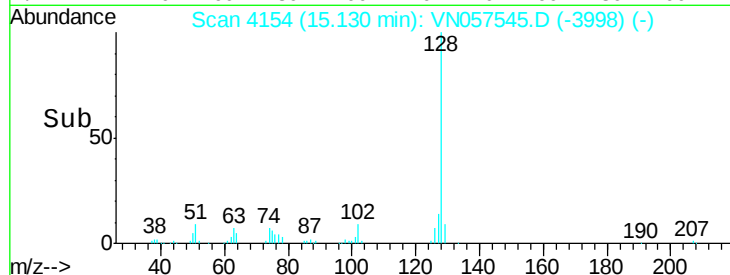
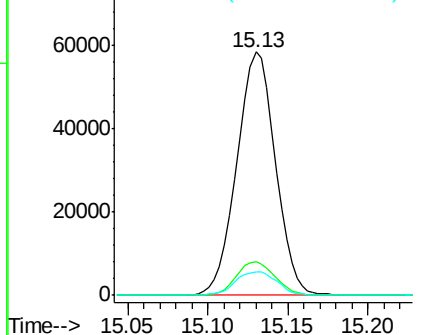
Tot Ion:	128	Resp:	95981
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.1	15.1
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/28/2019 4:26:39 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 12.670 ug/l

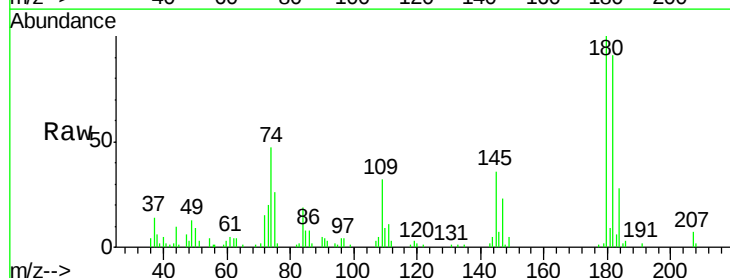
RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Tgt Ion:	180	Resp:	28381
Ion Ratio	Lower	Upper	
180	100		
182	96.3	0.0	187.0
145	35.8	0.0	64.4



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

