

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057295.D
 Acq On : 14 Aug 2019 18:40
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081519

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:21 AM

Quant Time: Aug 15 08:26:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 08:22:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	984167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1461054	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1328855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	533351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	518750	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.58	113	466055	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.09	98	1756936	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	604755	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	387763	45.788	ug/l	100
3) Chloromethane	2.06	50	478740	47.894	ug/l	98
4) Vinyl Chloride	2.18	62	460144	48.930	ug/l	100
5) Bromomethane	2.54	94	353905m	52.794	ug/l	
6) Chloroethane	2.69	64	308746	47.729	ug/l	98
7) Trichlorofluoromethane	3.02	101	693994	47.047	ug/l	98
8) Diethyl Ether	3.40	74	270795	48.775	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	415863	47.985	ug/l	99
10) Methyl Iodide	3.95	142	654908	47.276	ug/l	99
11) Tert butyl alcohol	4.76	59	369862	243.168	ug/l	100
12) 1,1-Dichloroethene	3.73	96	421887	48.858	ug/l	98
13) Acrolein	3.60	56	215270	233.139	ug/l	99
14) Allyl chloride	4.32	41	678605	49.026	ug/l	99
15) Acrylonitrile	4.97	53	1035327	250.720	ug/l	100
16) Acetone	3.80	43	821637	221.379	ug/l	99
17) Carbon Disulfide	4.05	76	1155540	49.672	ug/l	100
18) Methyl Acetate	4.31	43	495151	49.926	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	1349017	49.789	ug/l	98
20) Methylene Chloride	4.54	84	482442	46.458	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	454300	48.923	ug/l	95
22) Diisopropyl ether	5.94	45	1341907	49.076	ug/l	99
23) Vinyl Acetate	5.88	43	5513310	250.537	ug/l	99
24) 1,1-Dichloroethane	5.84	63	811607	48.246	ug/l	100
25) 2-Butanone	6.82	43	1292335	240.453	ug/l	97
26) 2,2-Dichloropropane	6.81	77	650267	47.830	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	533202	48.502	ug/l	99
28) Bromochloromethane	7.18	49	372088	49.781	ug/l #	99
29) Tetrahydrofuran	7.20	42	838345	246.478	ug/l	100
30) Chloroform	7.36	83	826249	46.869	ug/l	100
31) Cyclohexane	7.65	56	688125	47.203	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	733485	49.467	ug/l	98
36) 1,1-Dichloropropene	7.79	75	628134	48.692	ug/l	98
37) Ethyl Acetate	6.91	43	543010	51.393	ug/l	99
38) Carbon Tetrachloride	7.77	117	648792	48.405	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	725882	48.189	ug/l	98
40) Benzene	8.04	78	1896120	48.056	ug/l	99
41) Methacrylonitrile	7.17	41	282160m	59.301	ug/l	
42) 1,2-Dichloroethane	8.12	62	617786	47.307	ug/l	99
43) Isopropyl Acetate	8.16	43	949726	48.797	ug/l	98
44) Trichloroethene	8.83	130	542588	48.912	ug/l	96
45) 1,2-Dichloropropane	9.11	63	499931	49.156	ug/l	100
46) Dibromomethane	9.20	93	327252	48.232	ug/l	98
47) Bromodichloromethane	9.40	83	650586	48.395	ug/l	99
48) Methyl methacrylate	9.19	41	425908	48.951	ug/l	99
49) 1,4-Dioxane	9.19	88	181253	990.608	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2651417	243.246	ug/l	99
52) Toluene	10.15	92	1211331	49.323	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	727384	50.023	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	797701	49.749	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	467695	48.430	ug/l	98
56) Ethyl methacrylate	10.43	69	724932	51.439	ug/l	98
57) 1,3-Dichloropropane	10.70	76	779844	48.339	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	930458	224.585	ug/l	99
59) 2-Hexanone	10.75	43	1928752	246.127	ug/l	99
60) Dibromochloromethane	10.90	129	544892	50.350	ug/l	98
61) 1,2-Dibromoethane	11.00	107	503764	48.970	ug/l	99
64) Tetrachloroethene	10.63	164	535390	46.606	ug/l	99
65) Chlorobenzene	11.43	112	1314300	48.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	507005	48.846	ug/l	99
67) Ethyl Benzene	11.51	91	2316118	48.846	ug/l	99
68) m/p-Xylenes	11.62	106	1745925	99.937	ug/l	100
69) o-Xylene	11.95	106	854952	49.842	ug/l	99
70) Styrene	11.96	104	1422873	52.037	ug/l	99
71) Bromoform	12.13	173	413297	50.472	ug/l	100
73) Isopropylbenzene	12.25	105	2289539	54.271	ug/l	99
74) N-amyl acetate	12.07	43	743655	48.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	645389	54.875	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	532585m	50.737	ug/l	
77) Bromobenzene	12.53	156	600702	52.660	ug/l	99
78) n-propylbenzene	12.59	91	2419957	47.117	ug/l	100
79) 2-Chlorotoluene	12.67	91	1495342	53.416	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1910431	53.312	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	210109	48.036	ug/l	97
82) 4-Chlorotoluene	12.77	91	1441861	47.375	ug/l	100
83) tert-Butylbenzene	12.99	119	1690513	53.815	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1812377	47.178	ug/l	99
85) sec-Butylbenzene	13.17	105	2123712	52.716	ug/l	99
86) p-Isopropyltoluene	13.29	119	1866442	47.455	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	936235	50.101	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	886201	49.958	ug/l	100
89) n-Butylbenzene	13.62	91	1435838	51.209	ug/l	100
90) Hexachloroethane	13.88	117	353759	53.026	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	920977	52.869	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91981	48.362	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	391923	55.589	ug/l	99
94) Hexachlorobutadiene	15.01	225	386550	58.660	ug/l	98
95) Naphthalene	15.13	128	790452	65.923	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	366528	68.700	ug/l	99

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

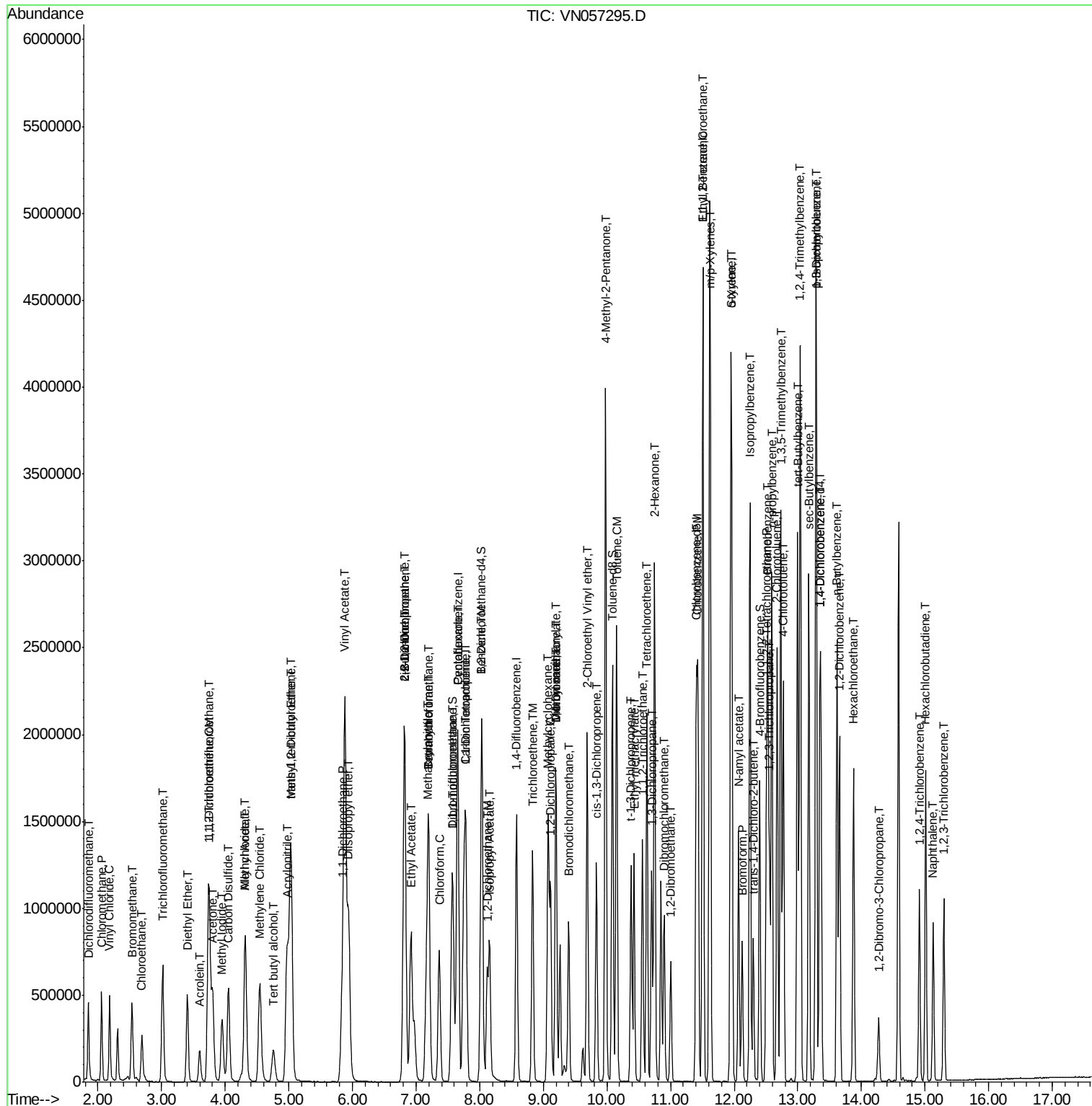
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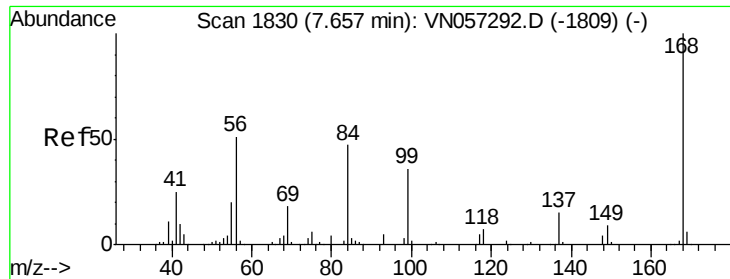
Instrument :
MSVOA_N
Client Sampled :
ICVVN081519

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081519

Tot Ion:168 Resp: 984167

Ion Ratio Lower Upper

168 100

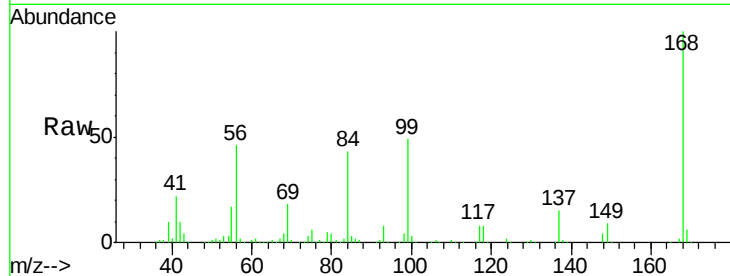
99 48.5 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

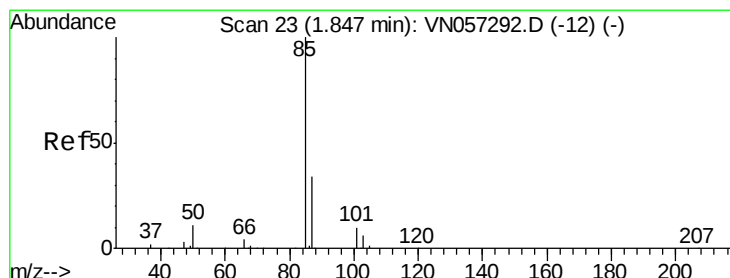
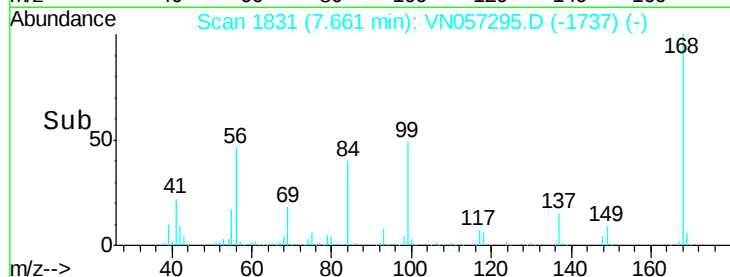
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.788 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057295.D

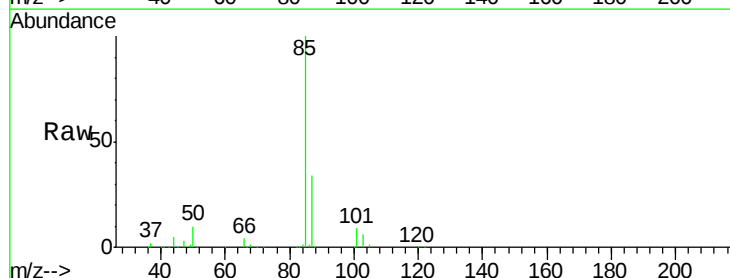
Acq: 14 Aug 2019 18:40

Tgt Ion: 85 Resp: 387763

Ion Ratio Lower Upper

85 100

87 34.0 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

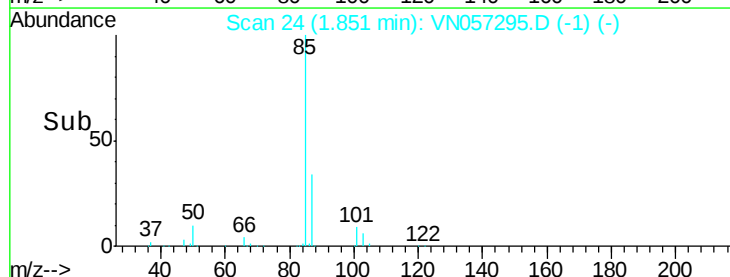
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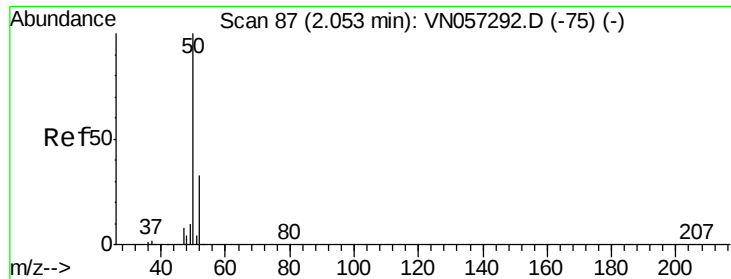
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.894 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081519

Tot Ion: 50 Resp: 478740

Ion Ratio Lower Upper

50 100

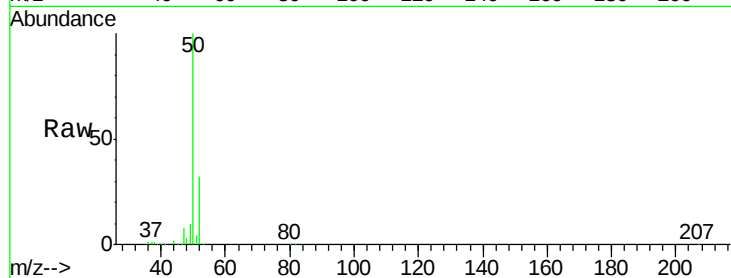
52 32.4 26.8 40.2

Manual Integrations

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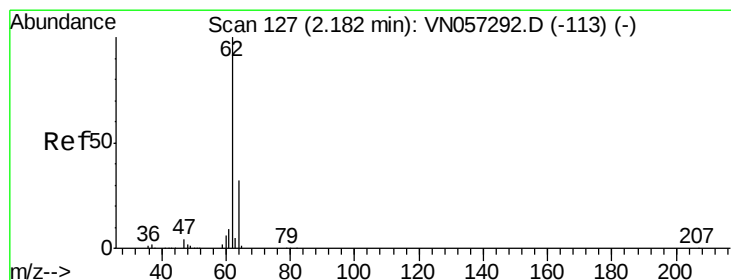
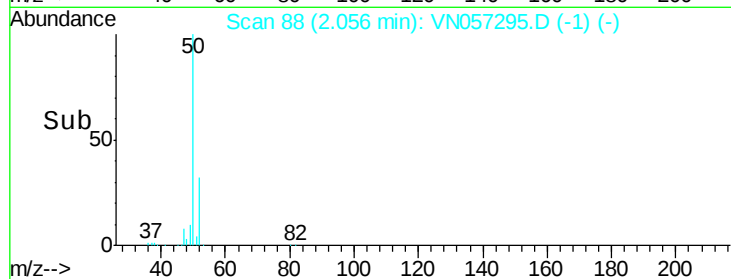
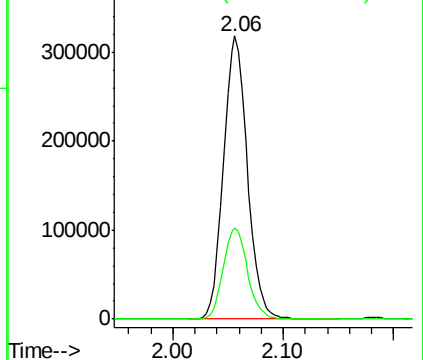
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 48.930 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057295.D

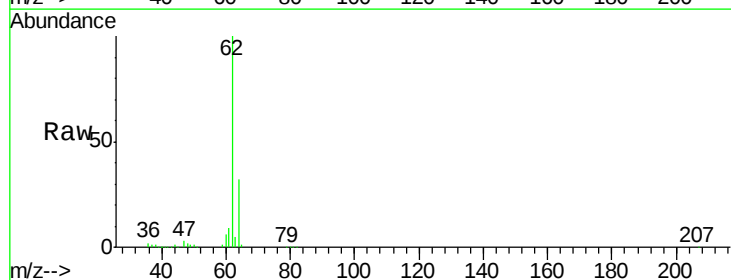
Acq: 14 Aug 2019 18:40

Tgt Ion: 62 Resp: 460144

Ion Ratio Lower Upper

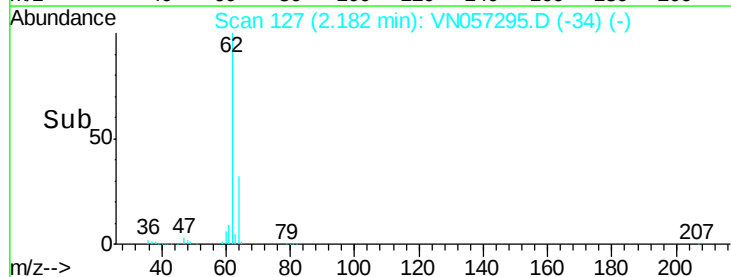
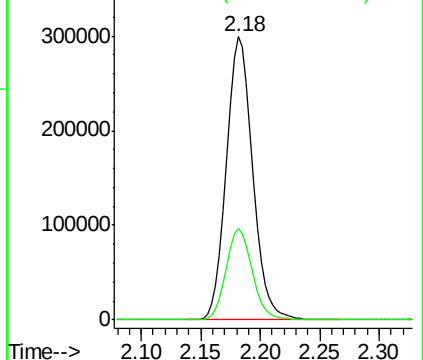
62 100

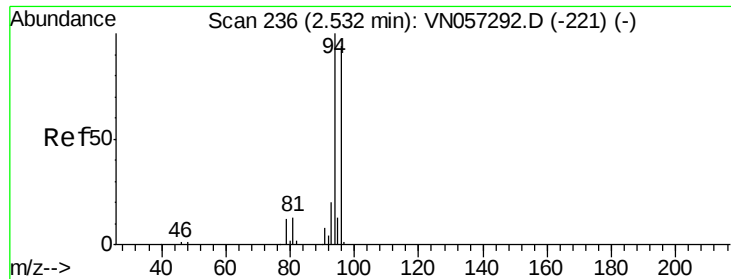
64 32.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 52.794 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Tot Ion: 94 Resp: 353905

Ion Ratio Lower Upper

94 100

96 95.2 75.0 112.6

Instrument :

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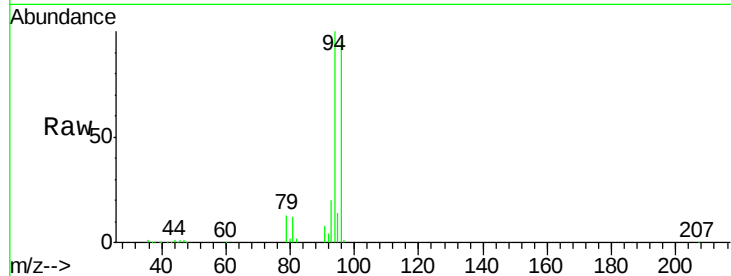
ICVVN081519

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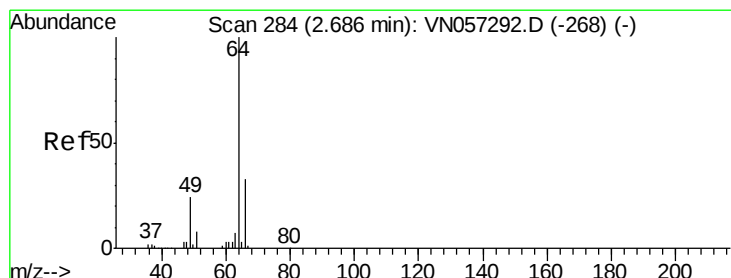
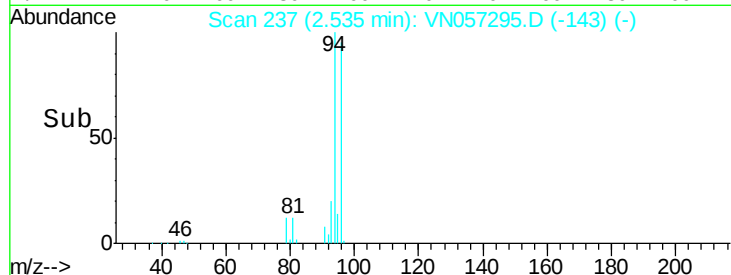
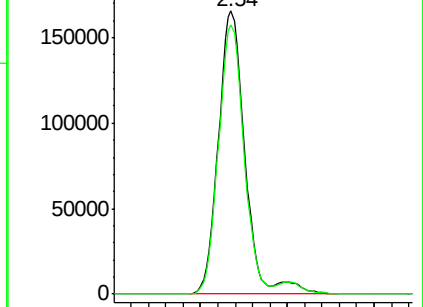
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.729 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN057295.D

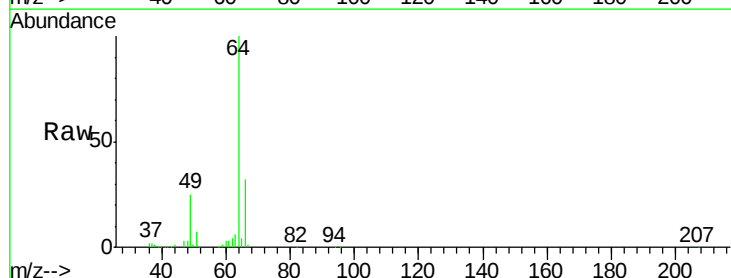
Acq: 14 Aug 2019 18:40

Tgt Ion: 64 Resp: 308746

Ion Ratio Lower Upper

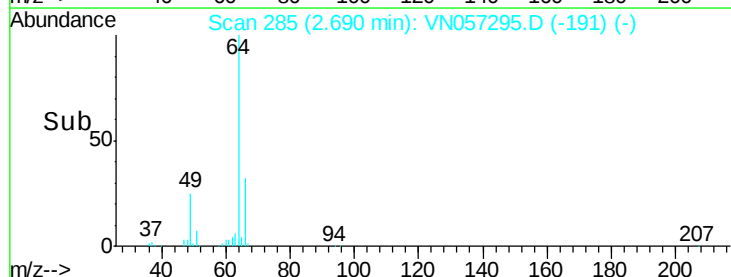
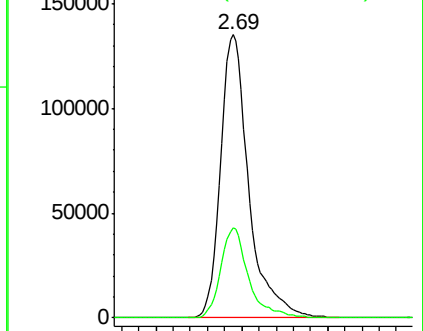
64 100

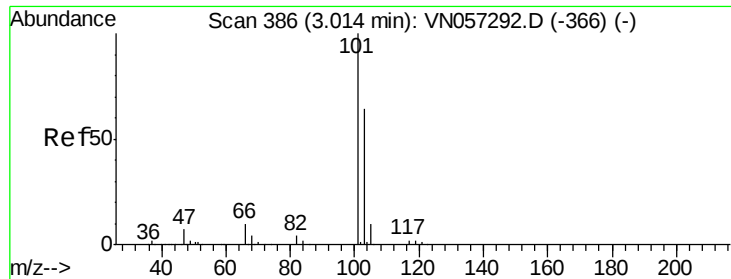
66 31.8 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

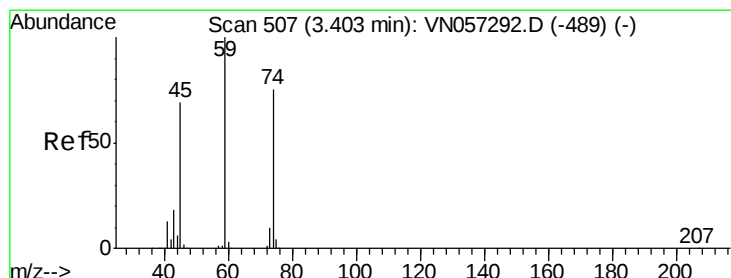
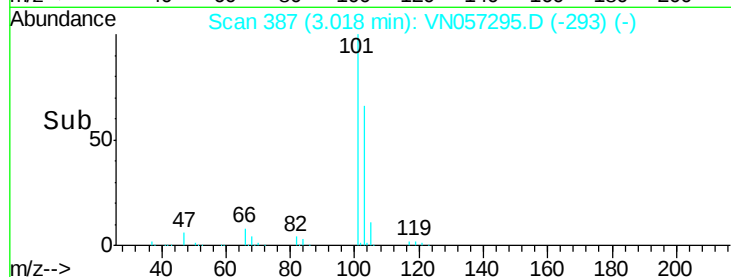
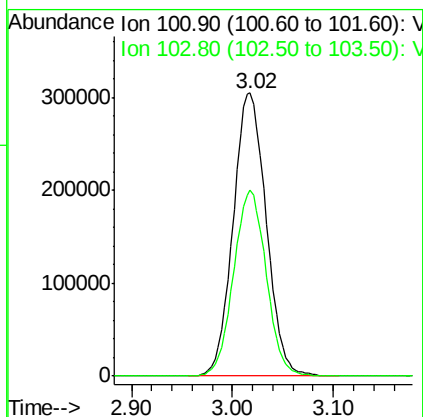
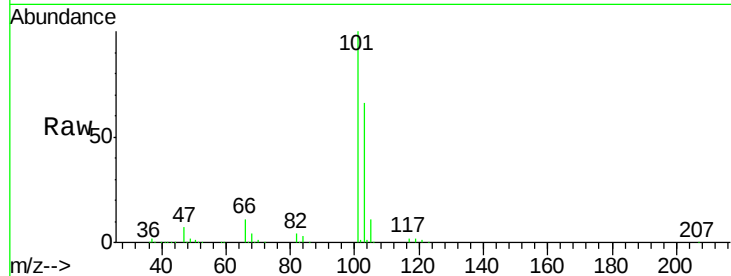
Trichlorofluoromethane
 Concen: 47.047 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	693994		
103	65.8	51.5	77.3	

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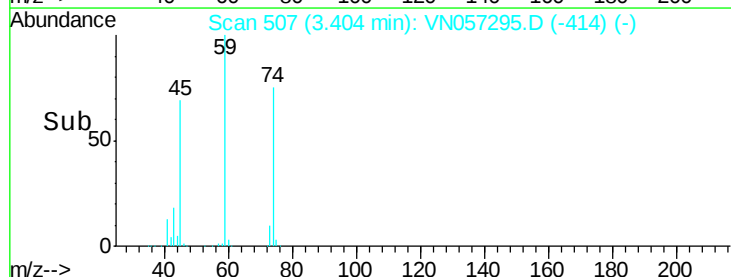
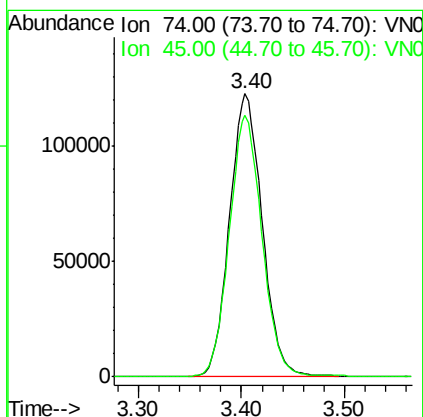
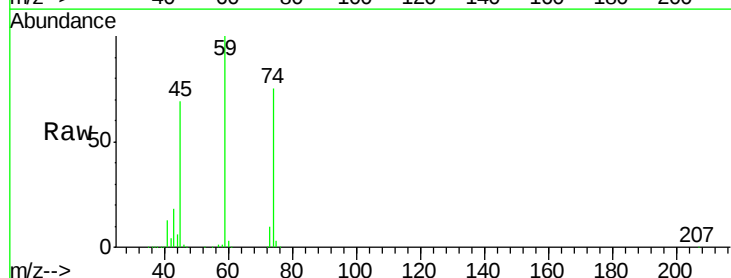
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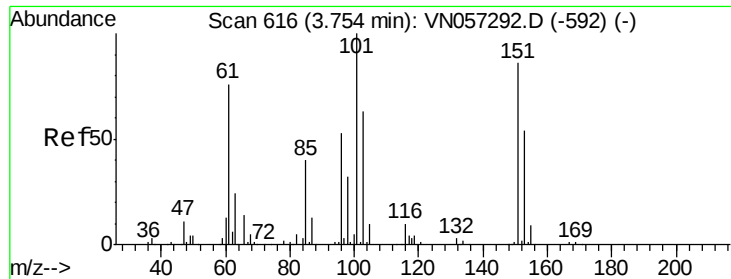


#8

Diethyl Ether
 Concen: 48.775 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	270795		
45	92.6	45.9	137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.985 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

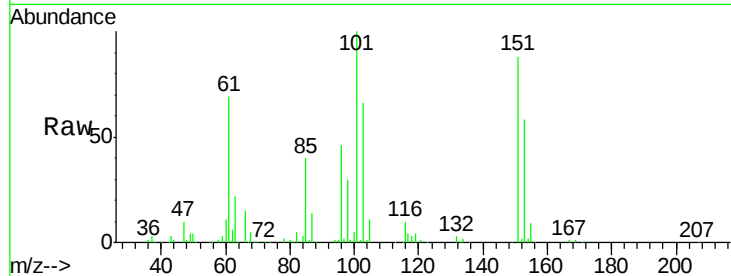
ClientSampleId :

ICVVN081519

Tot Ion:	101	Resp:	415863
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.7	49.1
151	87.4	69.1	103.7

Manual Integrations
APPROVED

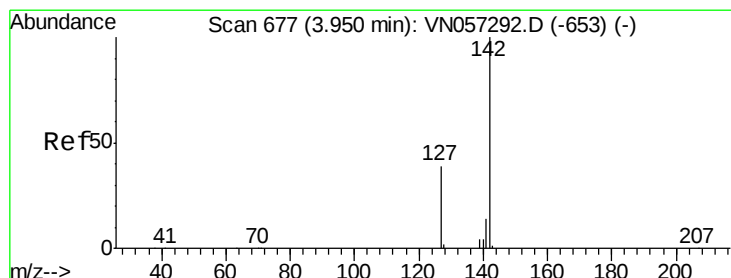
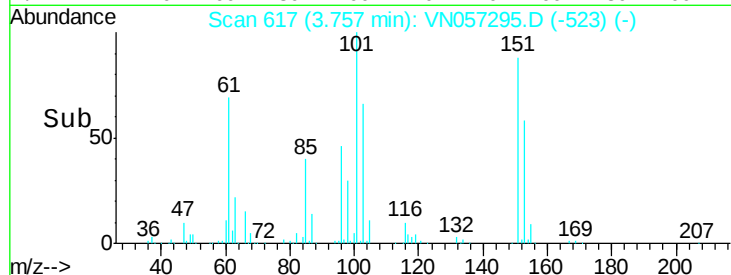
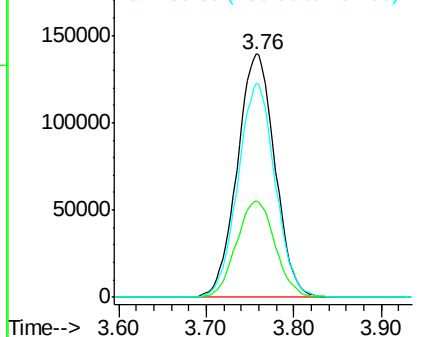
MMdadoda
8/19/2019 1:53:21 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.276 ug/l

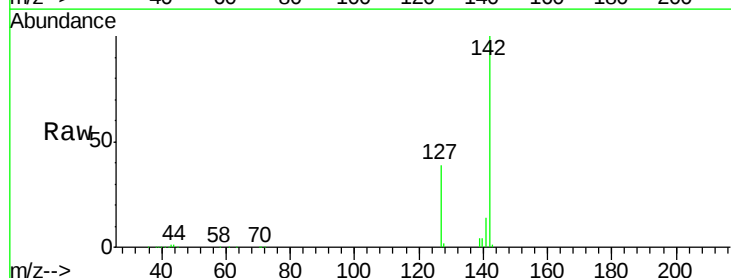
RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

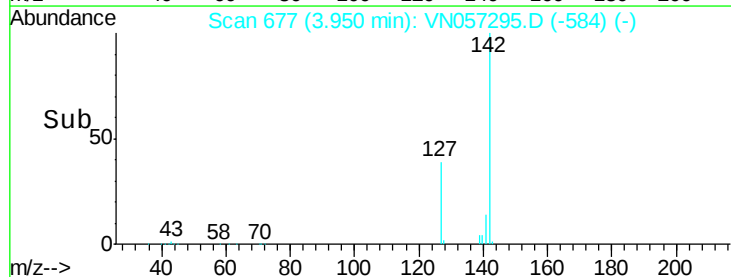
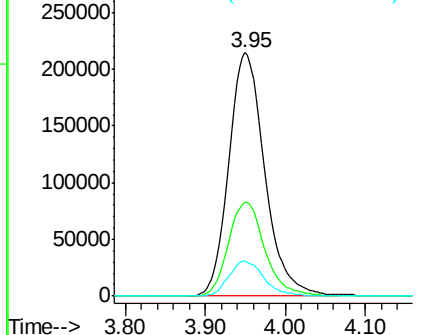
Tgt Ion:	142	Resp:	654908
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.6	47.4
141	14.3	11.2	16.8

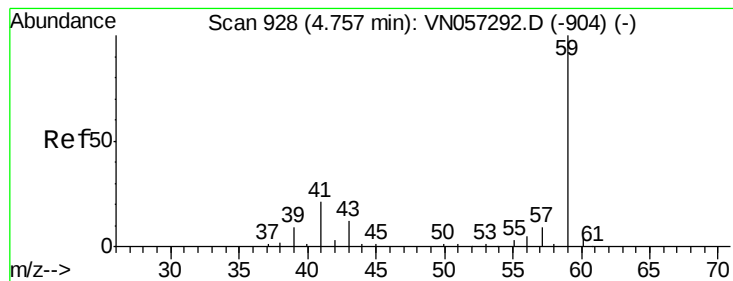


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

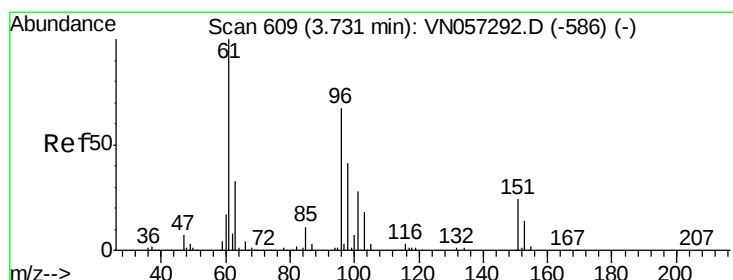
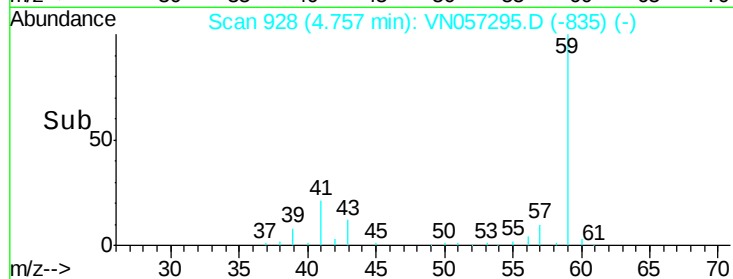
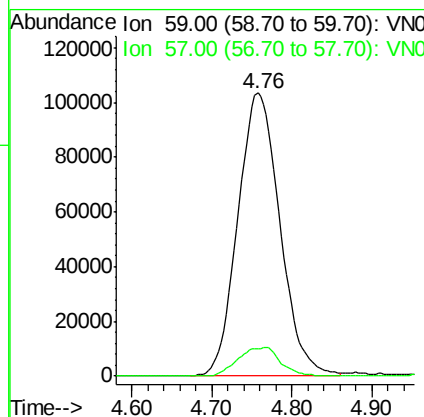
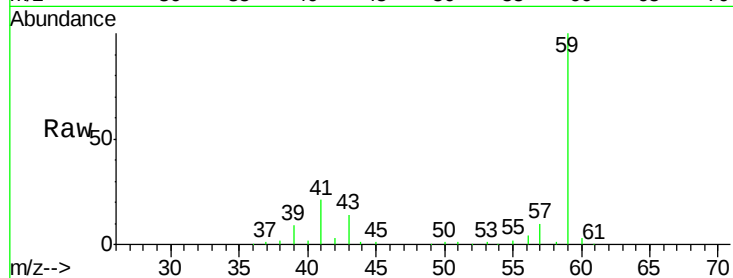
Tert butyl alcohol
Concen: 243.168 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampled :
ICVVN081519

Tot Ion	59	57	Ratio	100	10.2	Resp	369862	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.2	Resp	369862	Lower	8.2	Upper	12.2

Manual Integrations
APPROVED

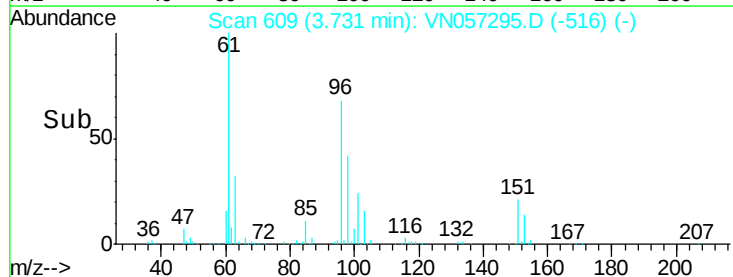
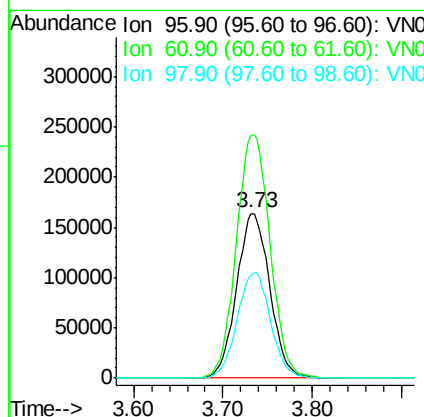
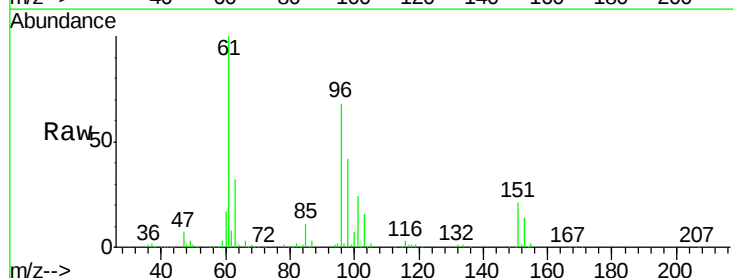
MMDadoda
8/19/2019 1:53:21 AM

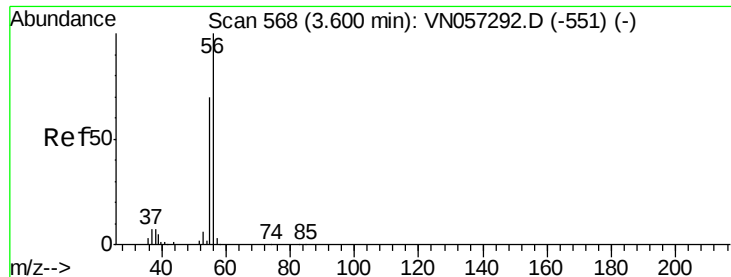


#12

1,1-Dichloroethene
Concen: 48.858 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	96	61	98	Ratio	100	147.3	62.6	Resp	421887	Lower	119.7	Upper	179.5	73.4
Ion	96	61	98	Ratio	100	147.3	62.6	Resp	421887	Lower	119.7	Upper	179.5	73.4





#13

Acrolein

Concen: 233.139 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081519

Tot Ion: 56 Resp: 215270

Ion Ratio Lower Upper

56 100

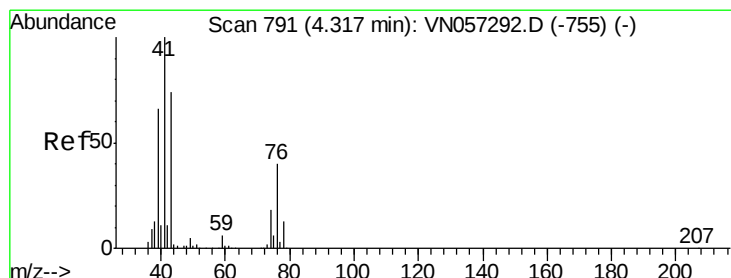
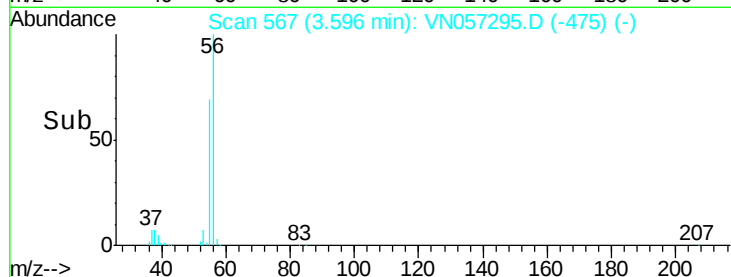
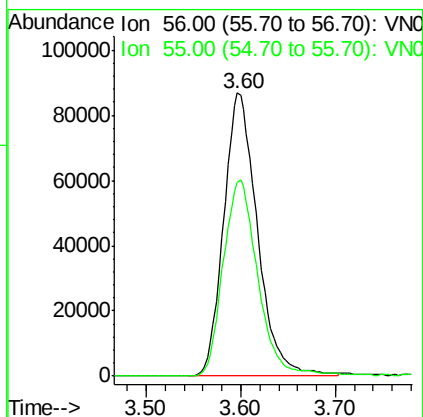
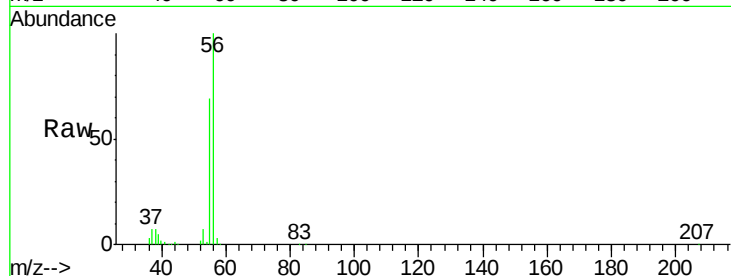
55 69.6 56.6 84.8

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:53:21 AM



#14

Allyl chloride

Concen: 49.026 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

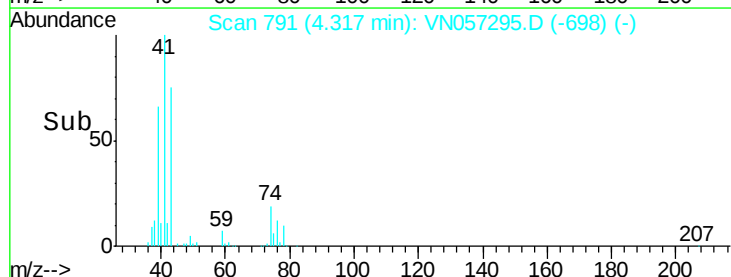
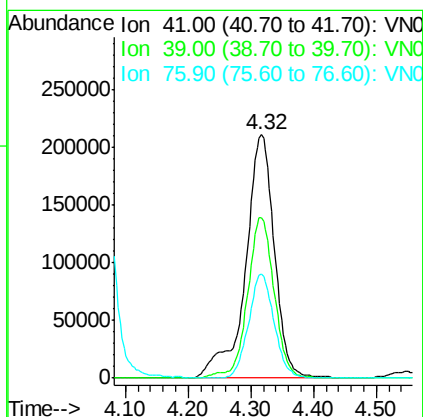
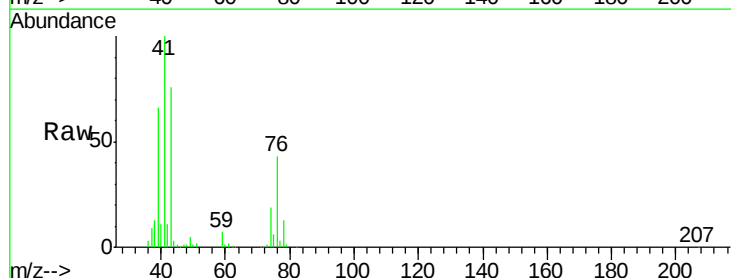
Tgt Ion: 41 Resp: 678605

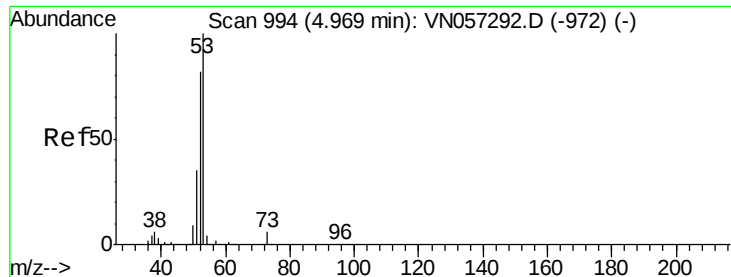
Ion Ratio Lower Upper

41 100

39 60.8 49.0 73.6

76 37.0 29.0 43.4





#15

Acrylonitrile

Concen: 250.720 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

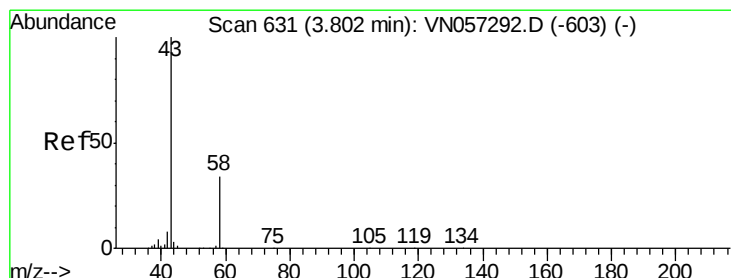
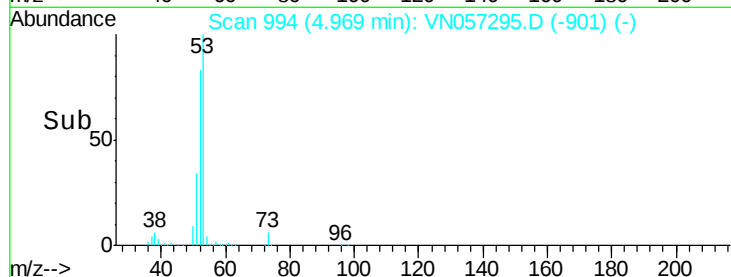
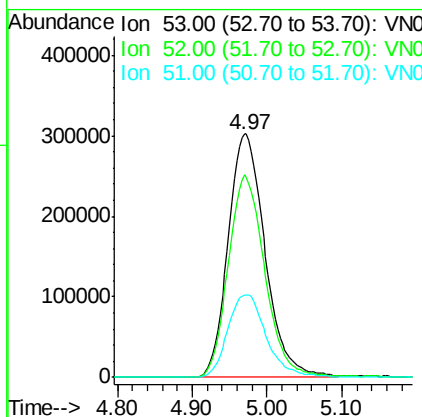
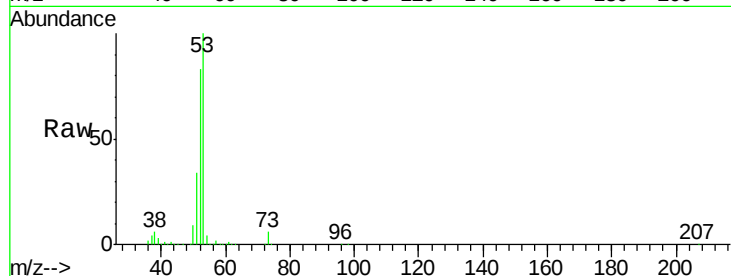
ClientSampleId :

ICVVN081519

Tot Ion:	53	Resp:	1035327
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	35.5	28.5	42.7

Manual Integrations
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8/19/2019 1:53:21 AM



#16

Acetone

Concen: 221.379 ug/l

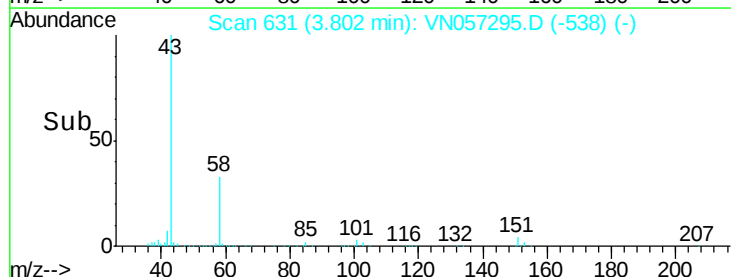
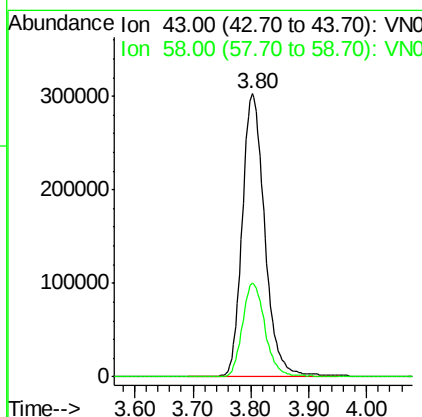
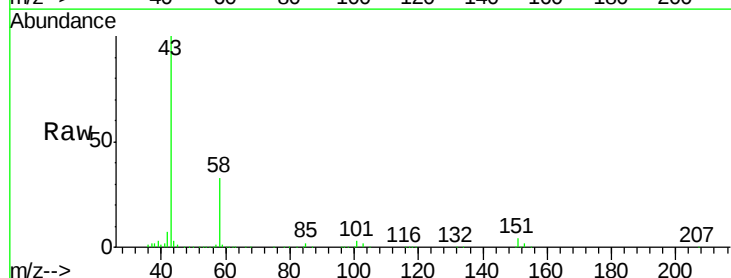
RT: 3.80 min Scan# 631

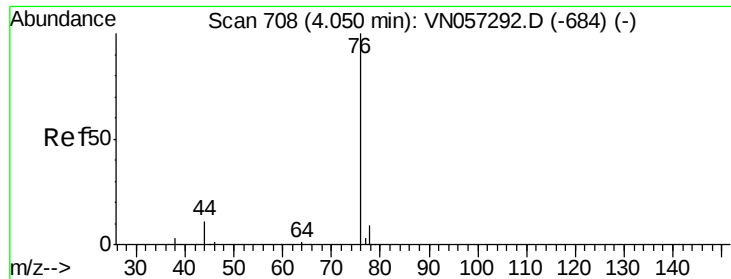
Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Tgt Ion:	43	Resp:	821637
Ion	Ratio	Lower	Upper
43	100		
58	33.1	27.0	40.6





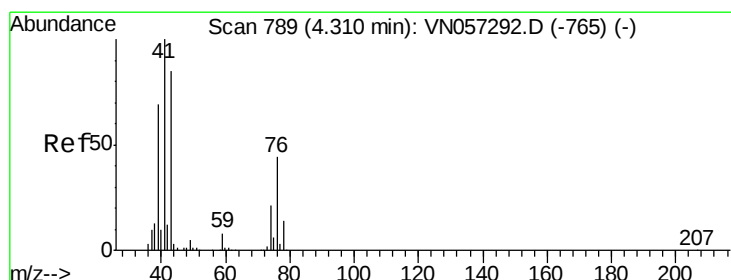
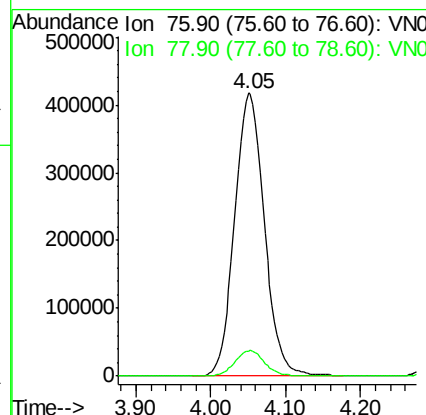
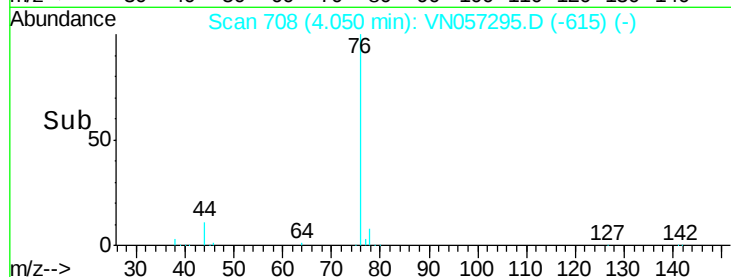
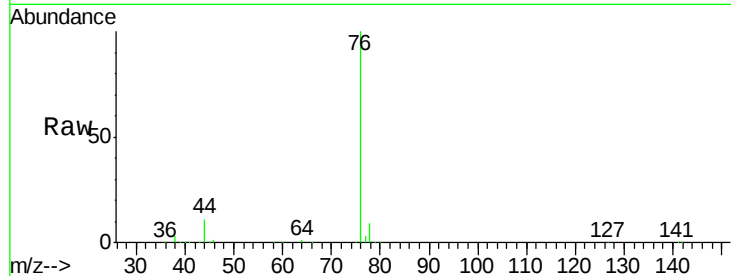
#17
Carbon Disulfide
Concen: 49.672 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion: 76 Resp: 1155540
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6

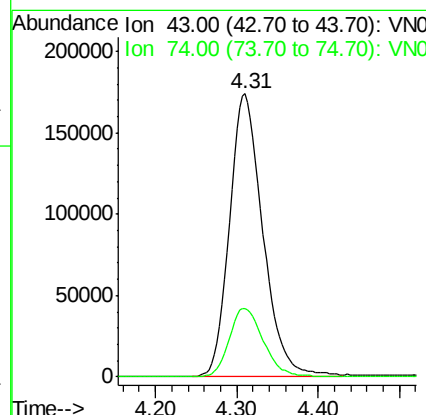
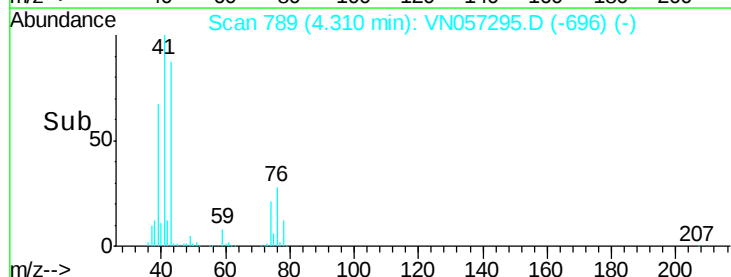
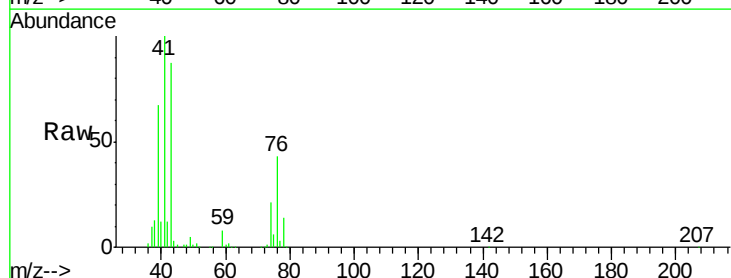
Manual Integrations
APPROVED

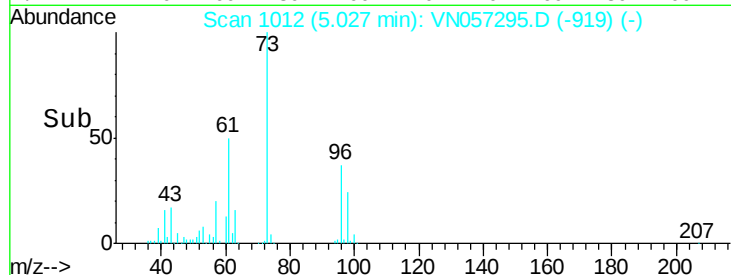
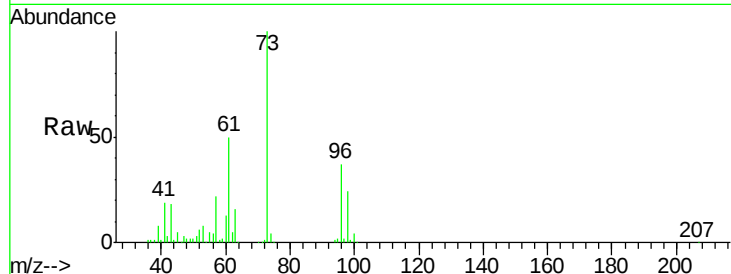
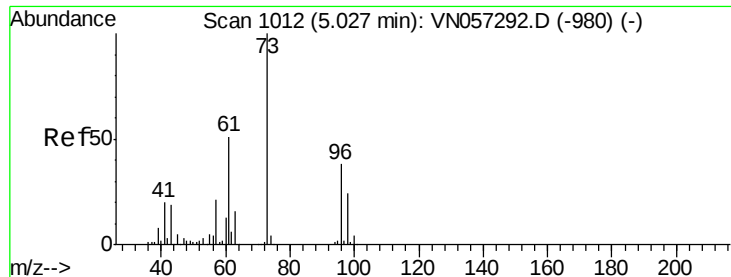
MMdadoda
8/19/2019 1:53:21 AM



#18
Methyl Acetate
Concen: 49.926 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion: 43 Resp: 495151
Ion Ratio Lower Upper
43 100
74 25.1 20.2 30.2





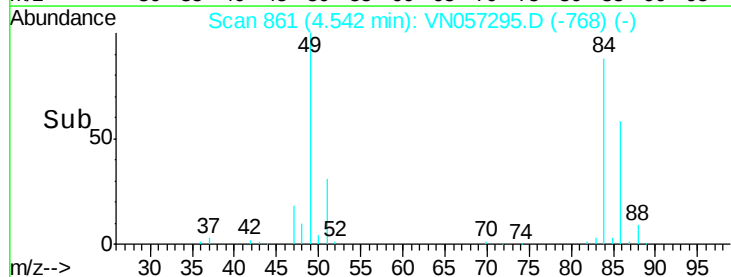
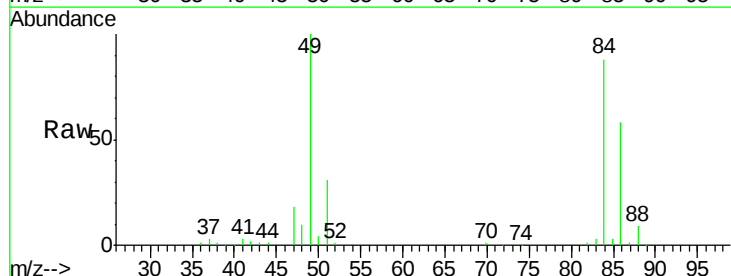
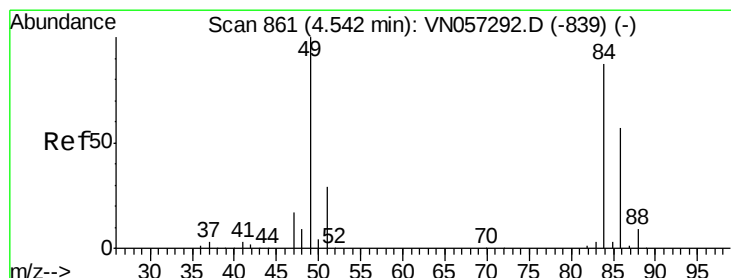
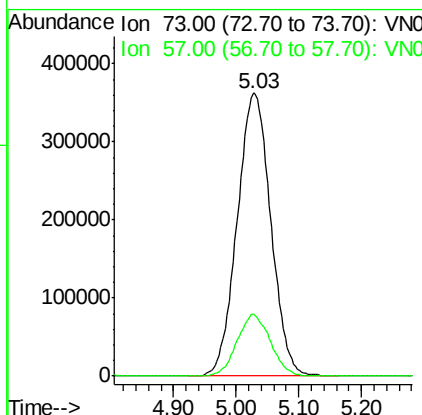
#19
Methvl tert-butvl Ether
Concen: 49.789 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tot Ion: 73 Resp: 1349017
Ion Ratio Lower Upper
73 100
57 21.8 16.9 25.3

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

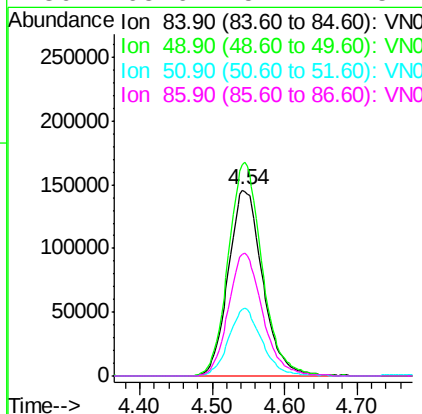
Manual Integrations
APPROVED

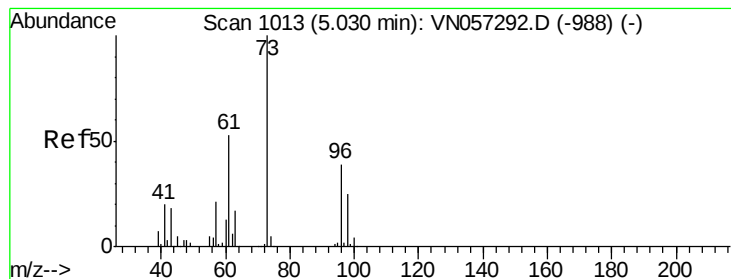
MMdadoda
8/19/2019 1:53:21 AM



#20
Methylene Chloride
Concen: 46.458 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion: 84 Resp: 482442
Ion Ratio Lower Upper
84 100
49 114.0 92.0 138.0
51 35.6 27.1 40.7
86 65.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 48.923 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

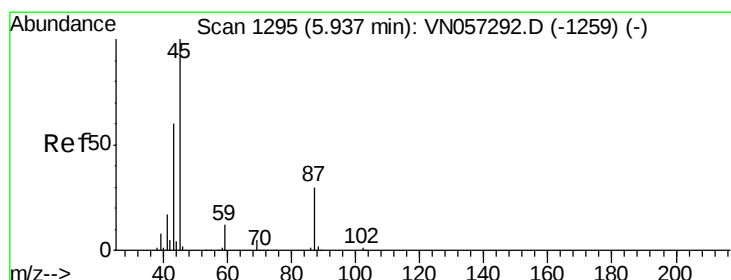
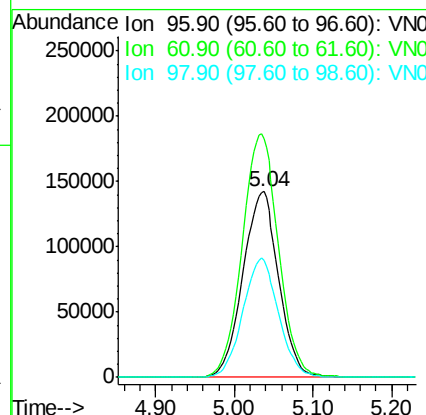
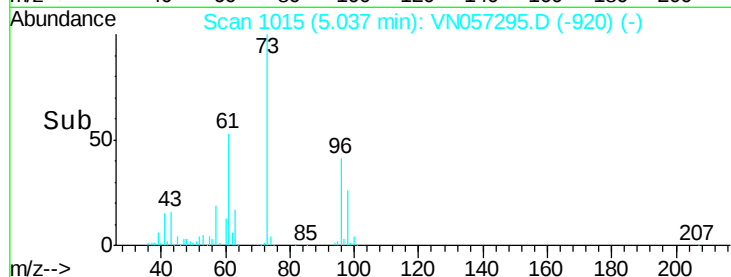
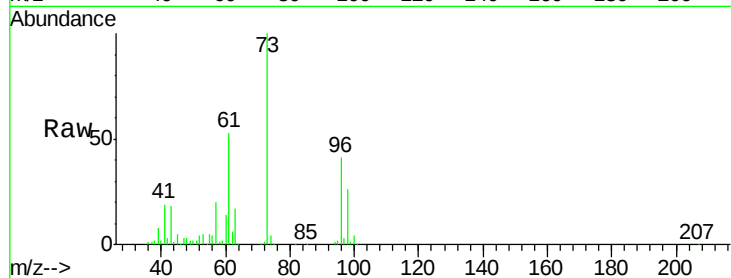
ClientSampleId :

ICVVN081519

Tot Ion:	96	Resp:	454300
Ion	Ratio	Lower	Upper
96	100		
61	128.5	109.5	164.3
98	63.0	51.0	76.6

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:21 AM



#22

Diisopropyl ether

Concen: 49.076 ug/l

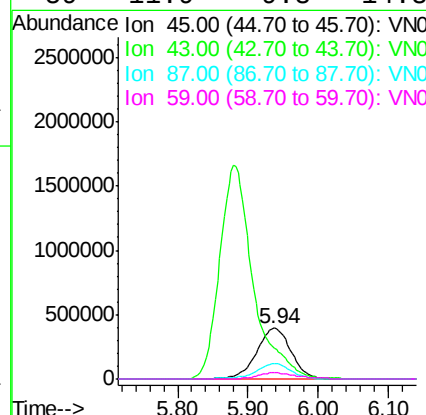
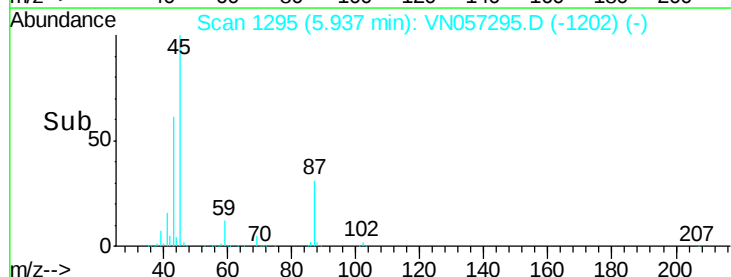
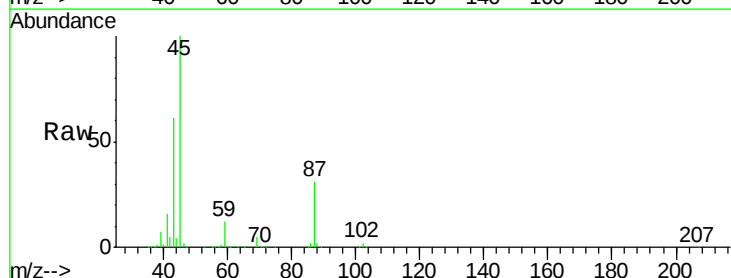
RT: 5.94 min Scan# 1295

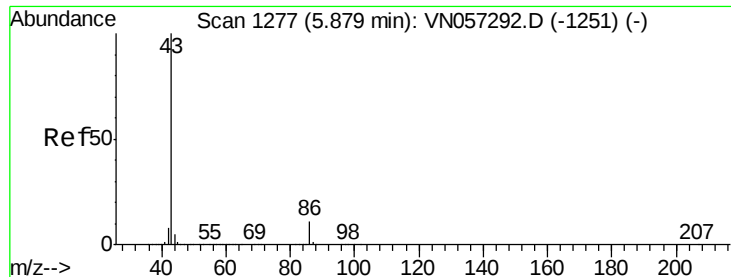
Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Tgt Ion:	45	Resp:	1341907
Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.3	72.5
87	31.1	24.6	36.8
59	11.9	9.8	14.8





#23

Vinyl Acetate

Concen: 250.537 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081519

Tot Ion: 43 Resp: 5513310

Ion Ratio Lower Upper

43 100

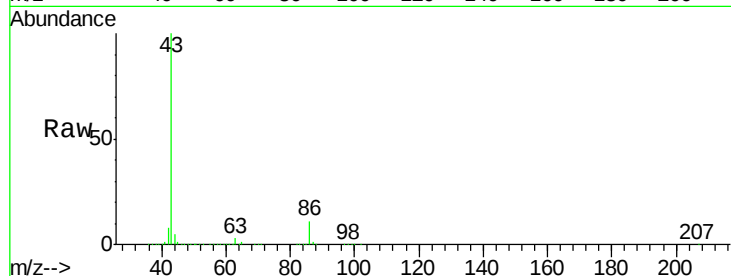
86 11.2 8.7 13.1

Manual Integrations

APPROVED

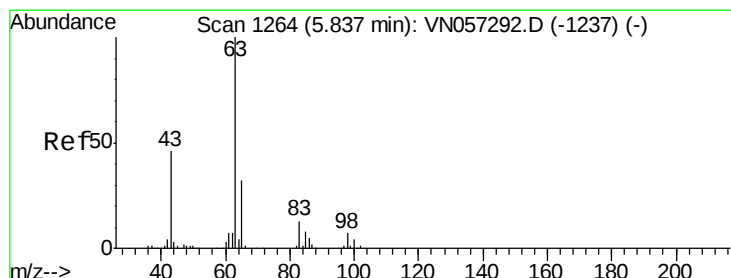
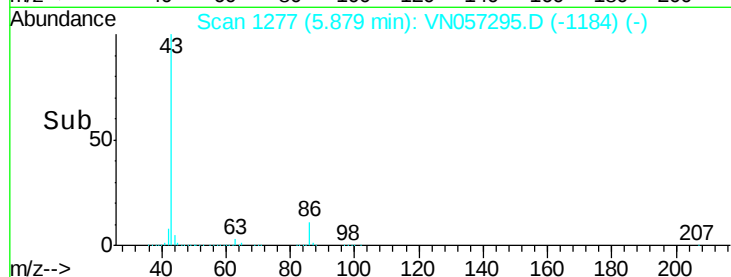
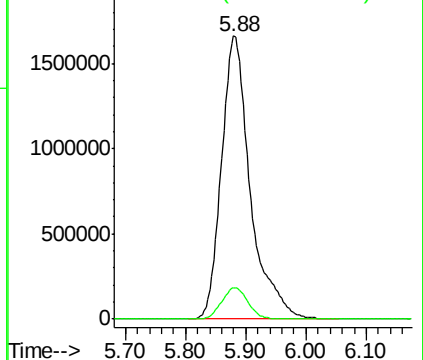
MMdadoda

8/19/2019 1:53:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 86.00 (85.70 to 86.70): VNC



#24

1,1-Dichloroethane

Concen: 48.246 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

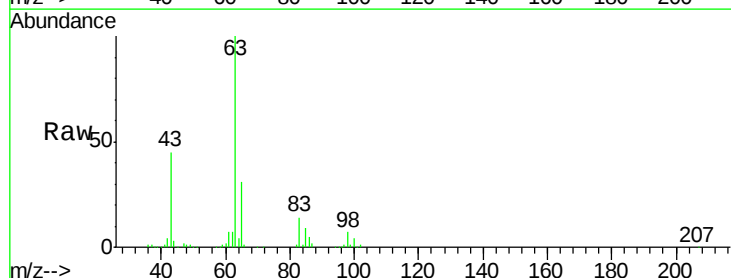
Tgt Ion: 63 Resp: 811607

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

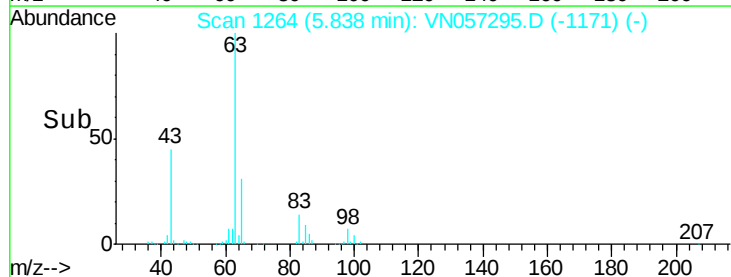
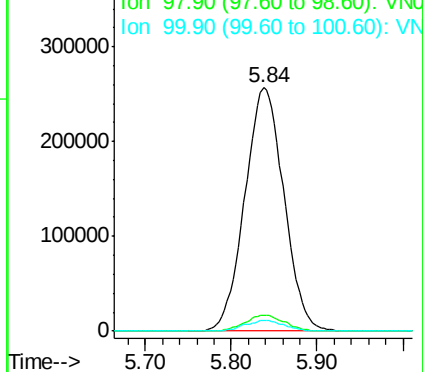
100 4.5 2.1 6.5

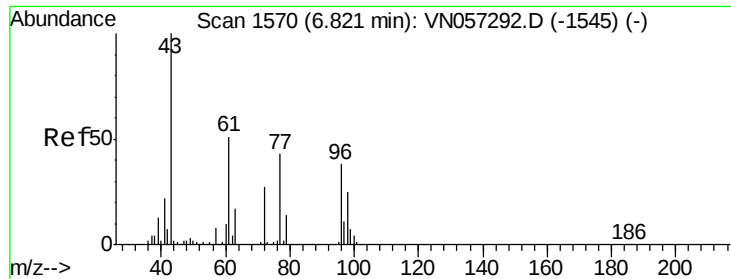


Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 97.90 (97.60 to 98.60): VNC

Ion 99.90 (99.60 to 100.60): VNC





#25

2-Butanone

Concen: 240.453 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Tot Ion: 43 Resp: 1292335

Ion Ratio Lower Upper

43 100

72 28.5 21.5 32.3

Instrument :

MSVOA_N

ClientSampled :

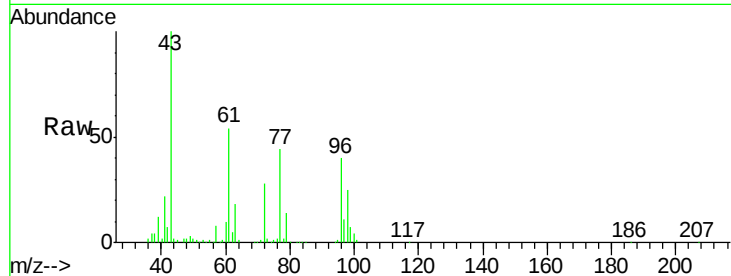
ICVVN081519

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MMdadoda

8/19/2019 1:53:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

400000

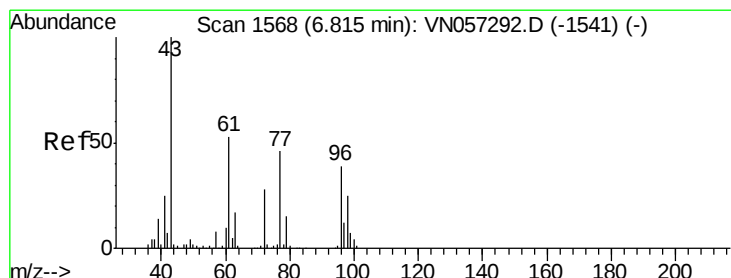
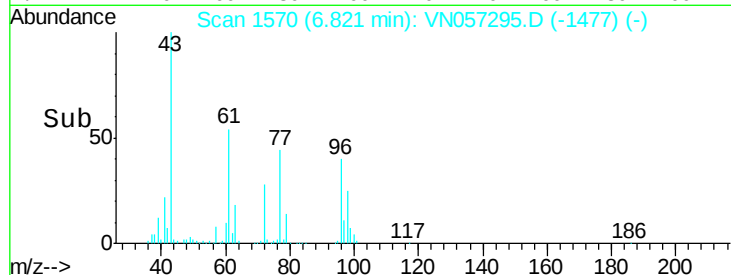
300000

200000

100000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 47.830 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057295.D

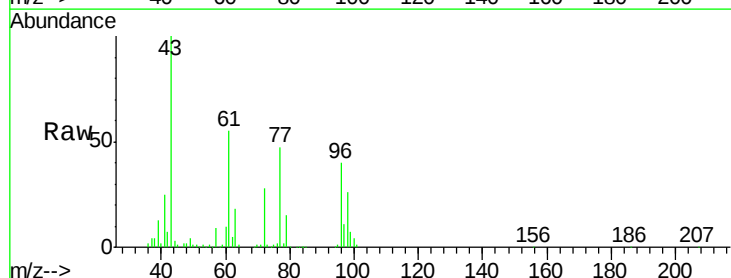
Acq: 14 Aug 2019 18:40

Tgt Ion: 77 Resp: 650267

Ion Ratio Lower Upper

77 100

97 24.7 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.81

200000

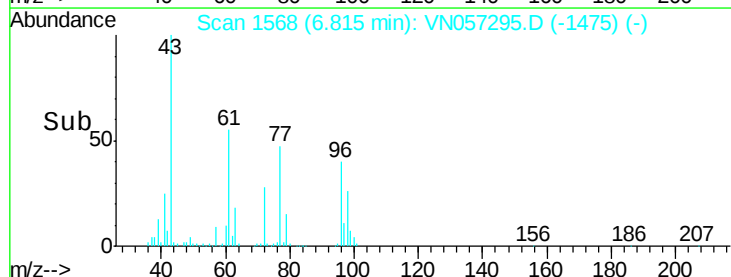
150000

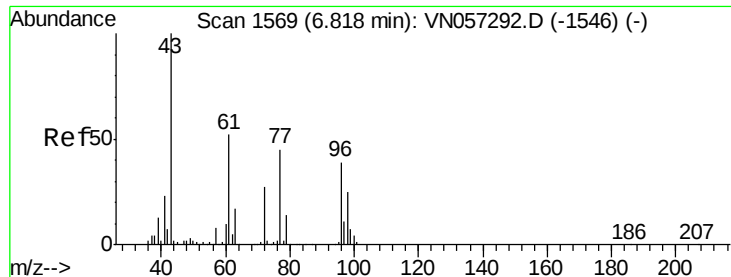
100000

50000

0

Time--> 6.70 6.80 6.90





#27

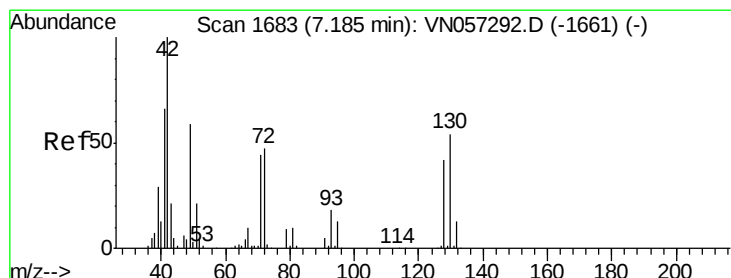
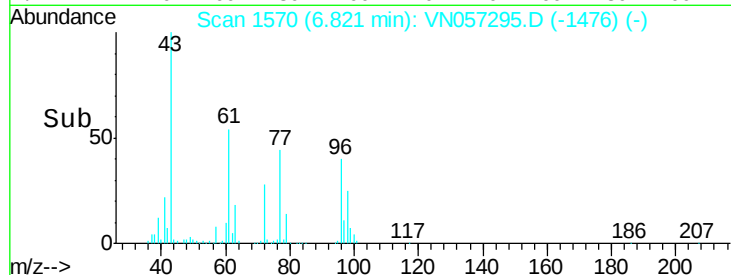
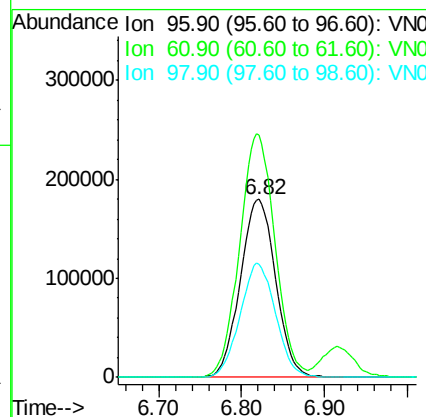
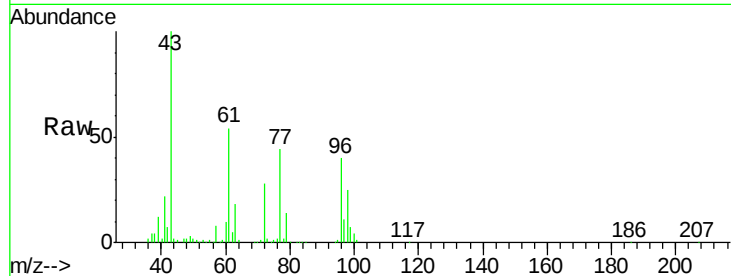
cis-1,2-Dichloroethene
 Concen: 48.502 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081519

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.5	0.0	272.0	
98	64.2	0.0	130.4	

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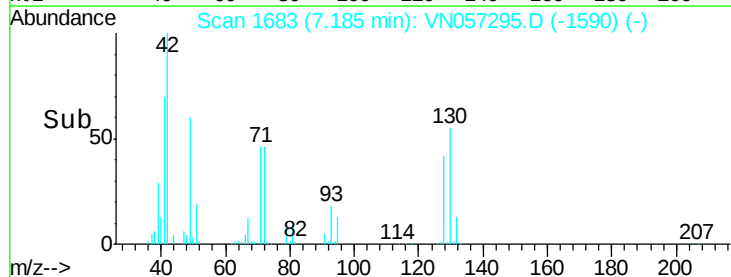
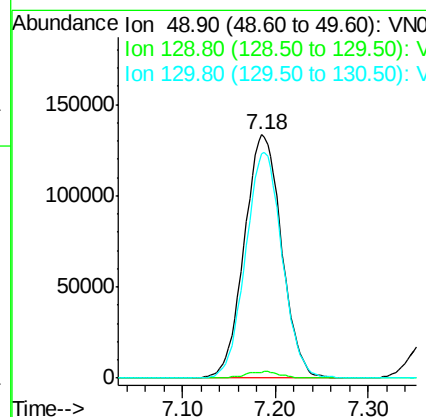
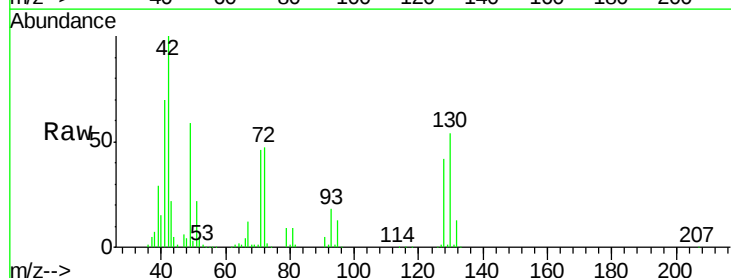
MMdadoda
 8/19/2019 1:53:21 AM

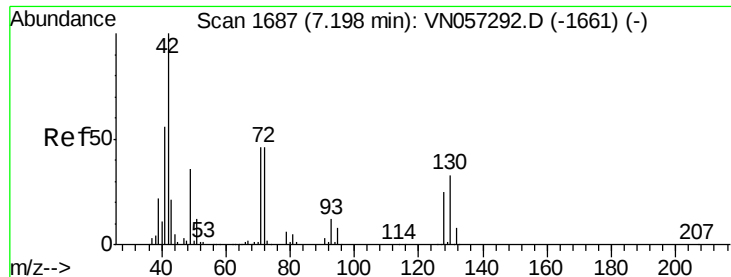


#28

Bromochloromethane
 Concen: 49.781 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	2.0#	
130	90.9	73.2	109.8	





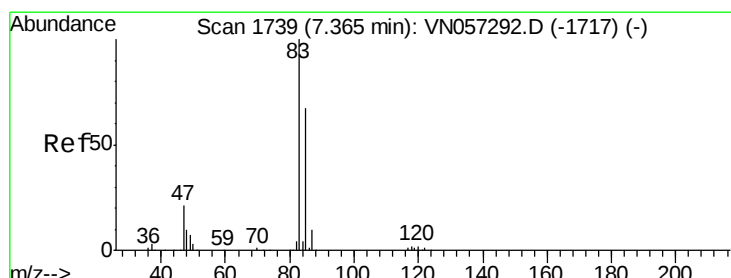
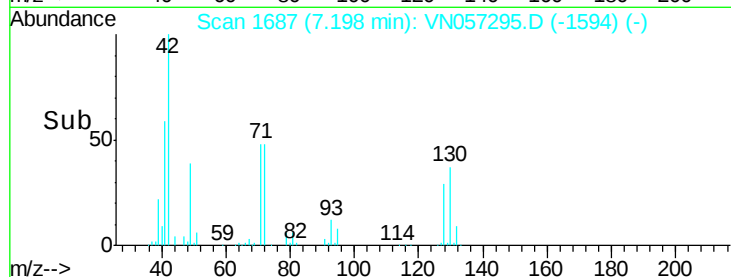
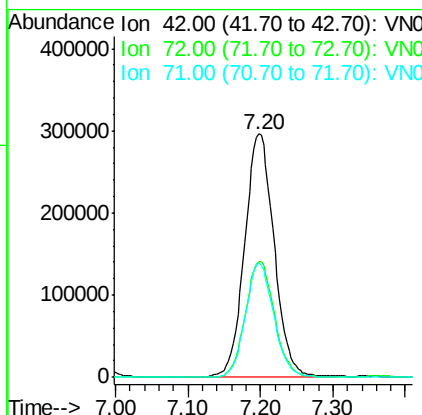
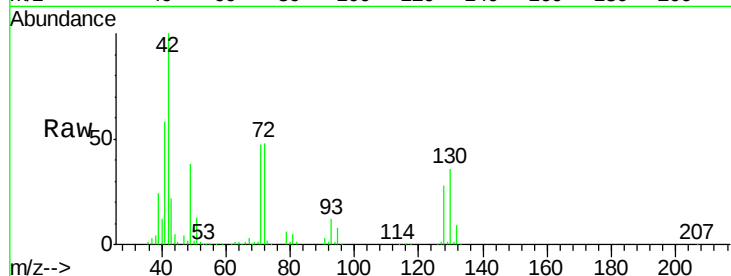
#29
Tetrahydrofuran
Concen: 246.478 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	44.8	35.7	53.5

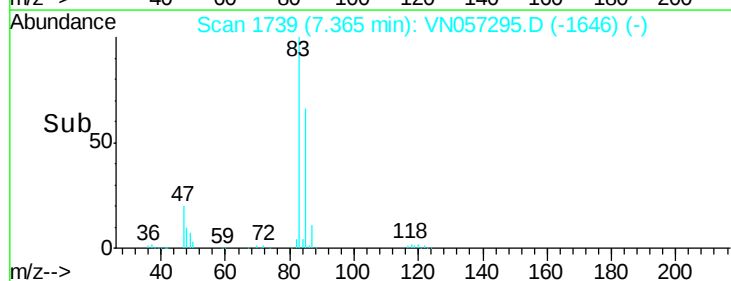
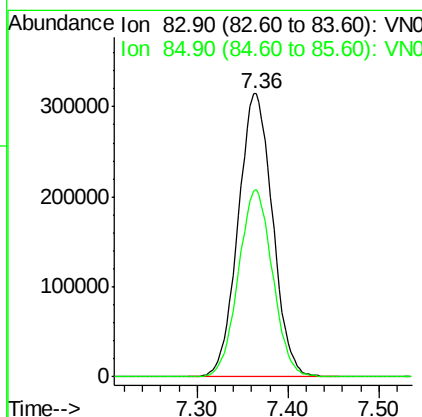
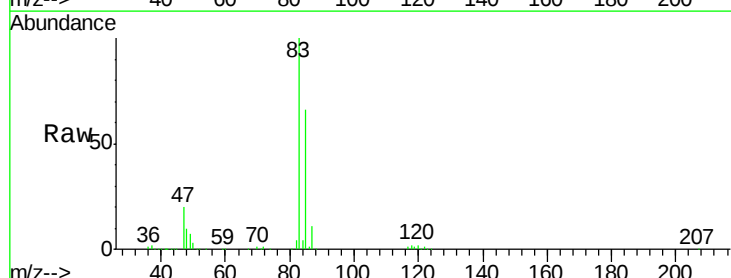
Manual Integrations
APPROVED

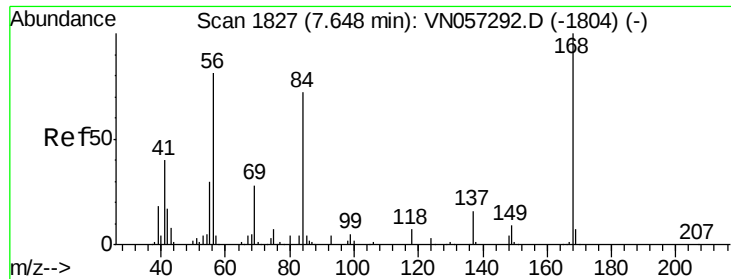
MMDadoda
8/19/2019 1:53:21 AM



#30
Chloroform
Concen: 46.869 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.3	79.9





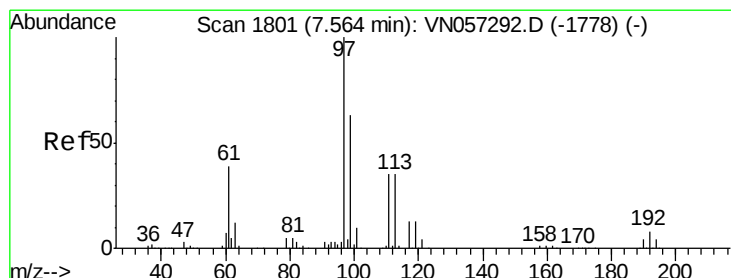
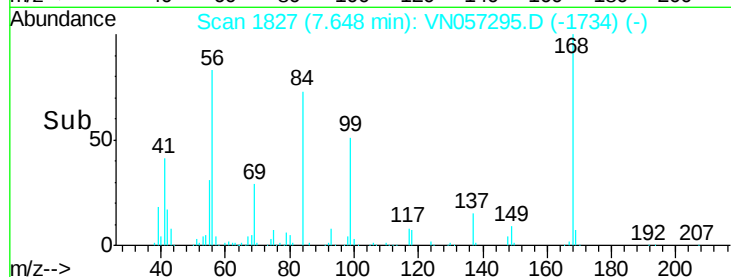
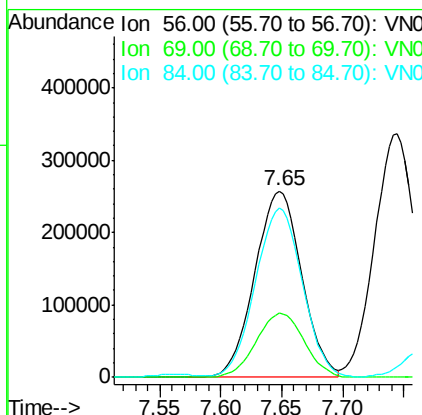
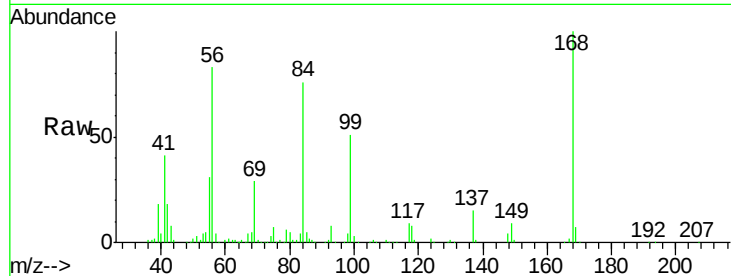
#31
Cyclohexane
Concen: 47.203 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.3	40.9
84	89.9	71.0	106.6

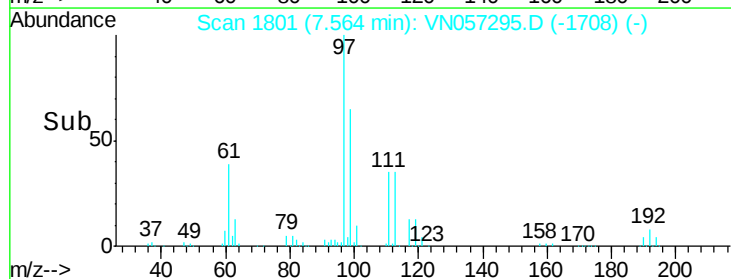
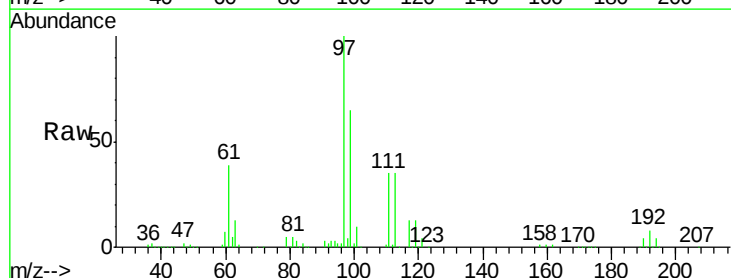
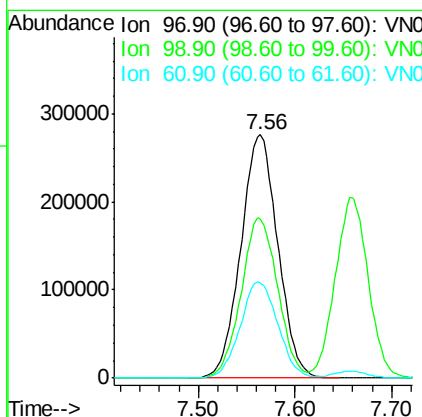
Manual Integrations
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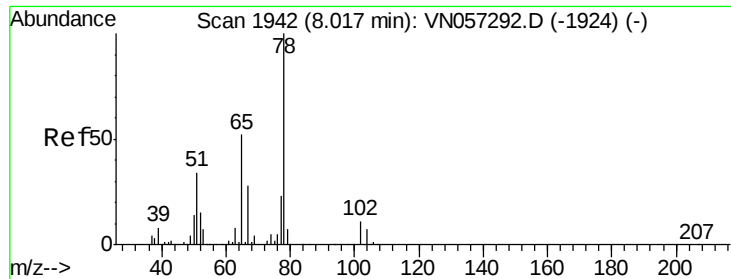
MMDadoda
8/19/2019 1:53:21 AM



#32
1,1,1-Trichloroethane
Concen: 49.467 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.3	75.5
61	40.3	31.3	46.9





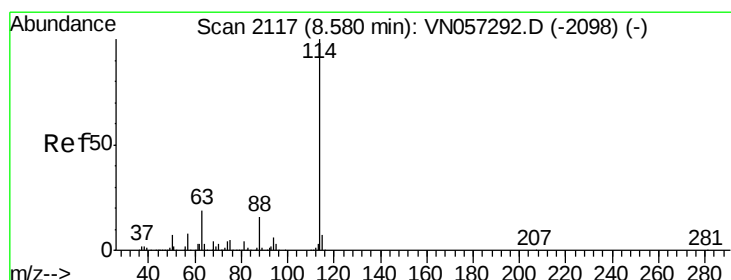
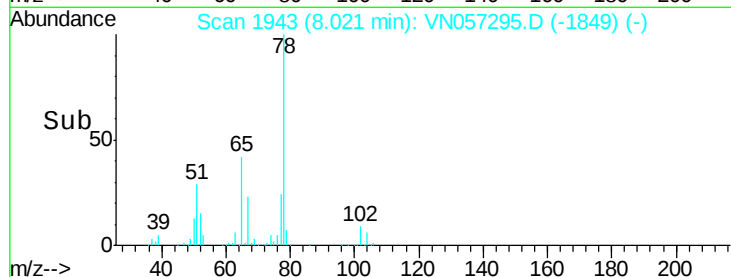
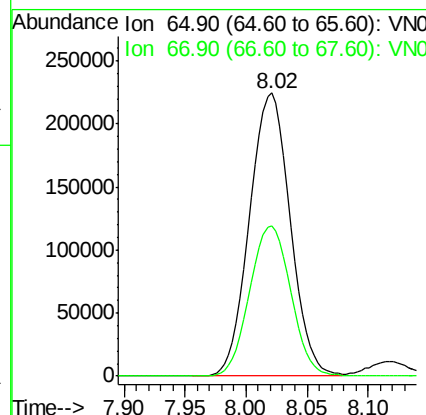
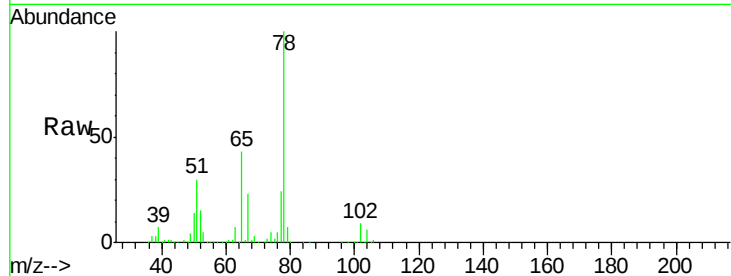
#33
 1,2-Dichloroethane-d4
 Concen: 48.486 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081519

Tot Ion	Ratio	Resp	Lower	Upper
65	100	518750		
67	53.6	0.0	107.4	

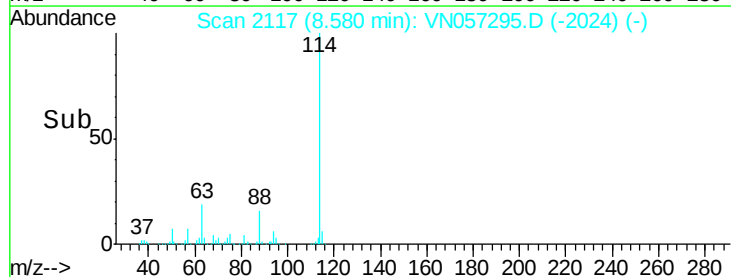
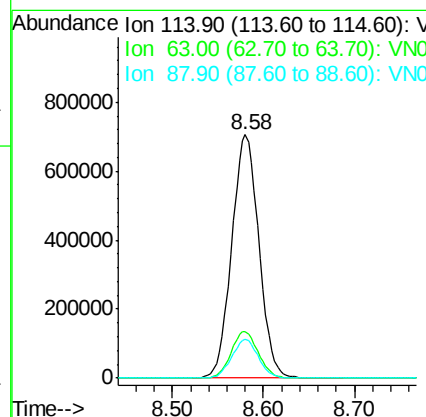
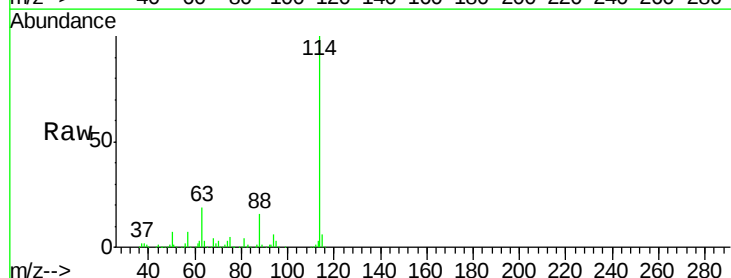
Manual Integrations
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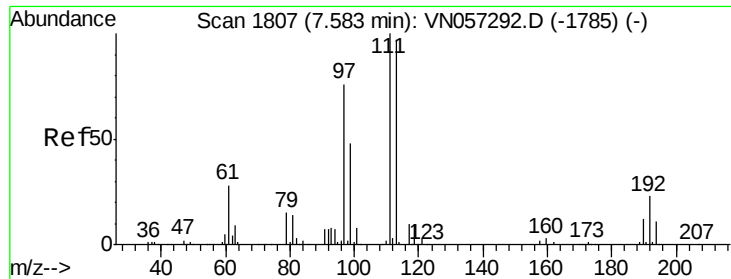
MMDadoda
 8/19/2019 1:53:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1461054		
63	19.1	0.0	38.8	
88	15.8	0.0	31.4	





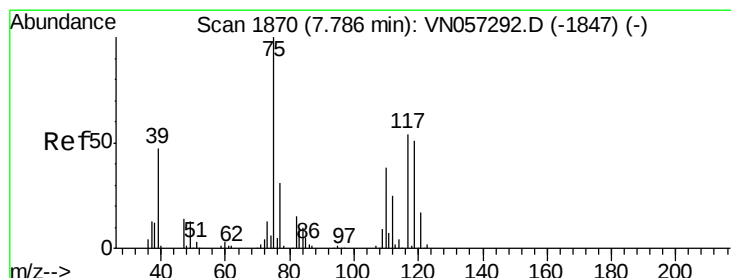
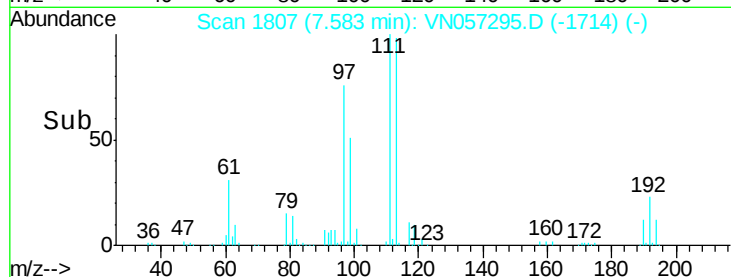
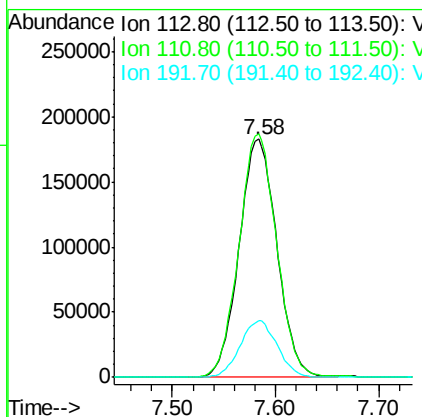
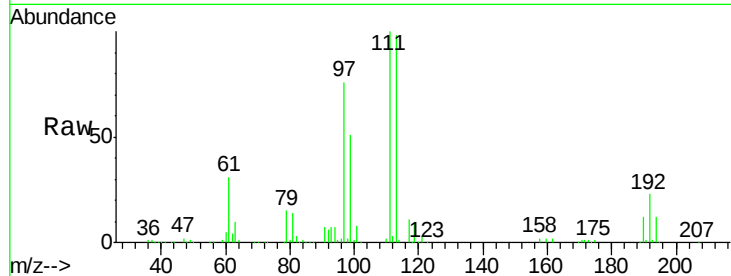
#35
Dibromofluoromethane
Concen: 48.661 ug/l
RT: 7.58 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion	Ratio	Resp	Lower	Upper
113	100	466055		
111	101.8	82.1	123.1	
192	23.5	19.3	28.9	

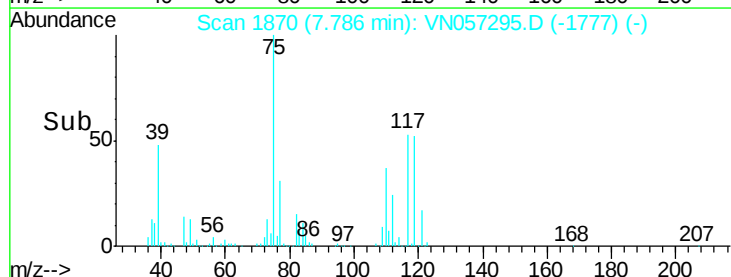
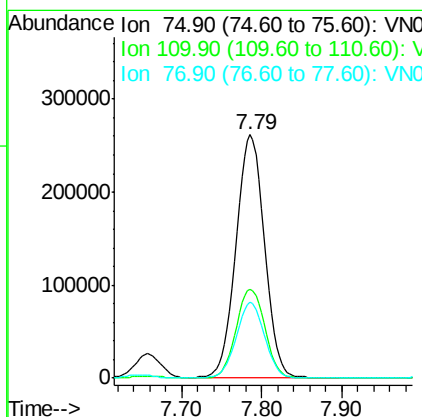
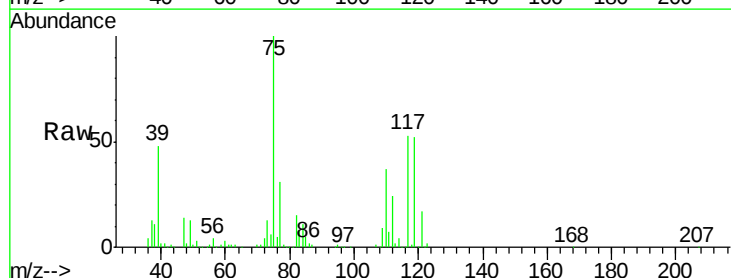
Manual Integrations
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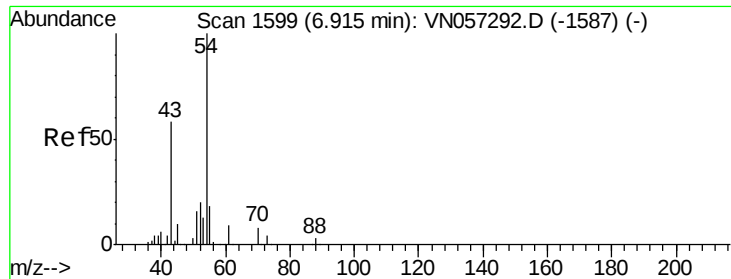
MMdadoda
8/19/2019 1:53:21 AM



#36
1,1-Dichloropropene
Concen: 48.692 ug/l
RT: 7.79 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	628134		
110	37.0	19.5	58.5	
77	31.1	25.0	37.6	





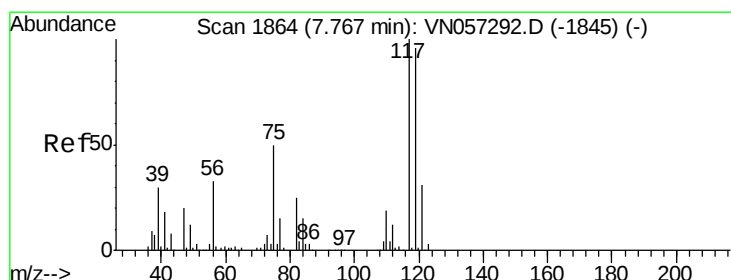
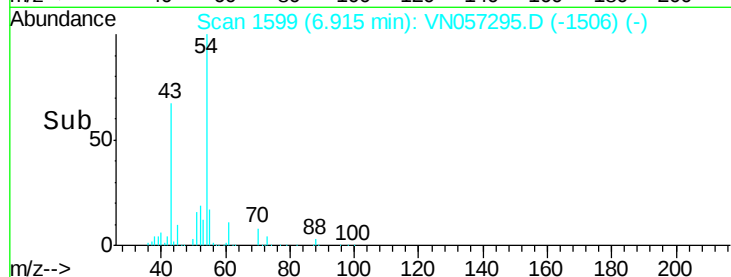
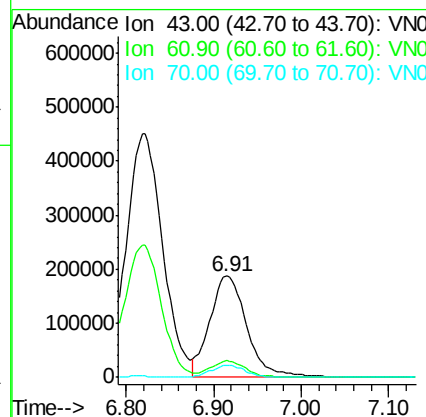
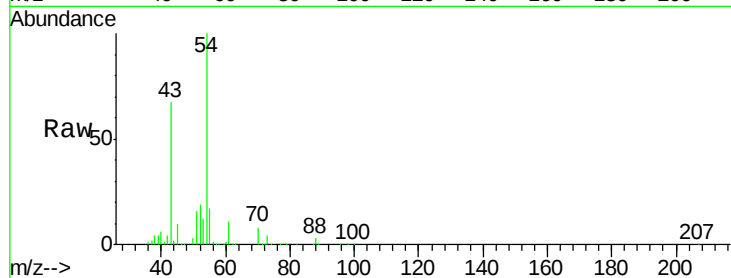
#37
Ethyl Acetate
Concen: 51.393 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.0	18.0
70	11.0	9.2	13.8

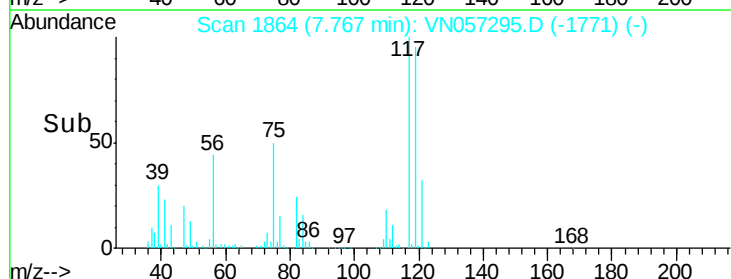
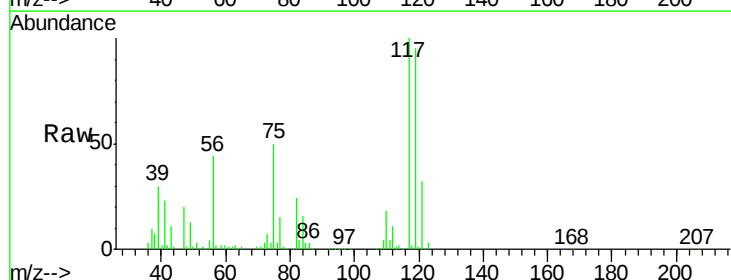
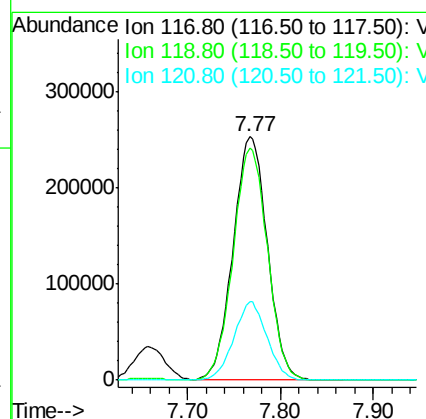
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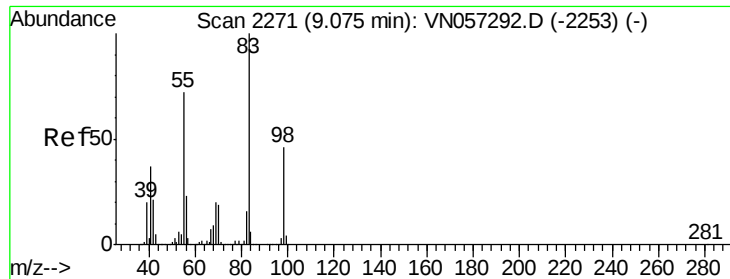
MMdadoda
8/19/2019 1:53:21 AM



#38
Carbon Tetrachloride
Concen: 48.405 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.8	115.2
121	32.3	25.0	37.4





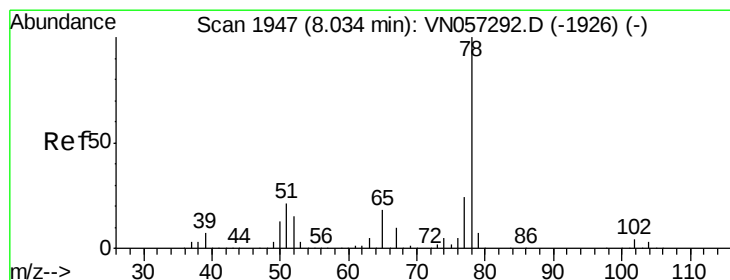
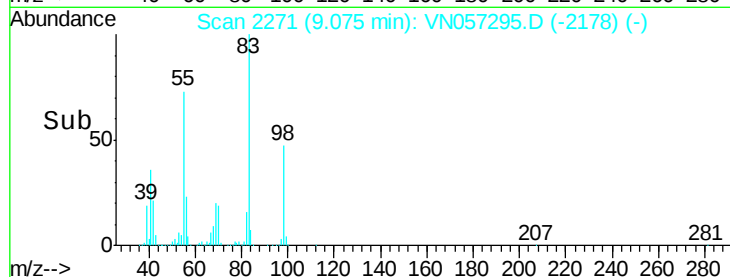
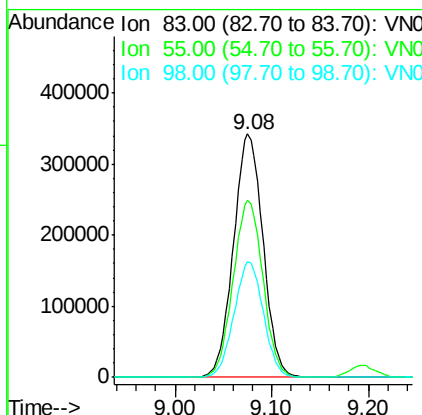
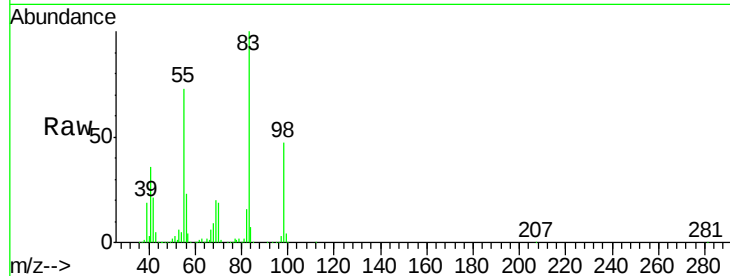
#39
Methvlcvclohexane
Concen: 48.189 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	57.5	86.3
98	47.4	36.6	55.0

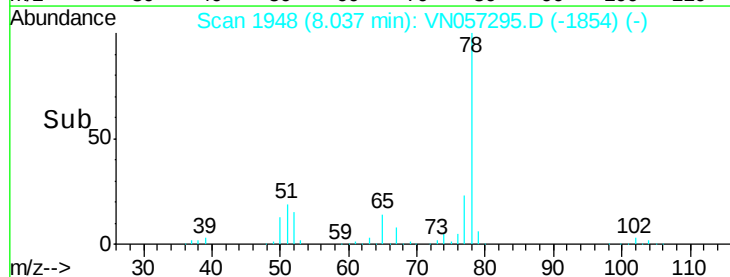
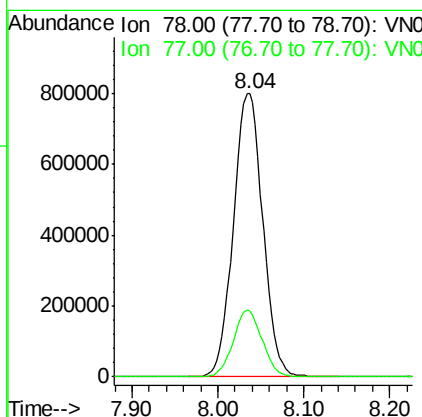
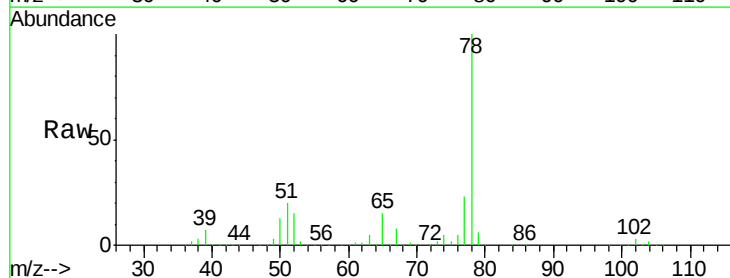
Manual Integrations
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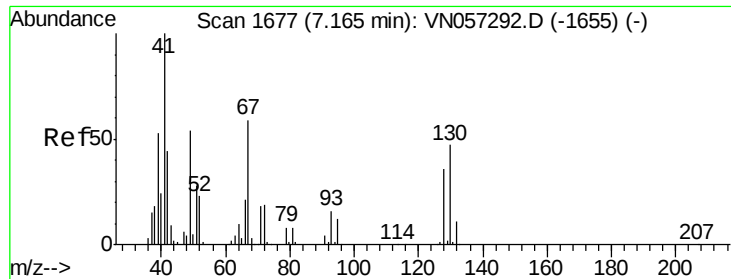
MMdadoda
8/19/2019 1:53:21 AM



#40
Benzene
Concen: 48.056 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7





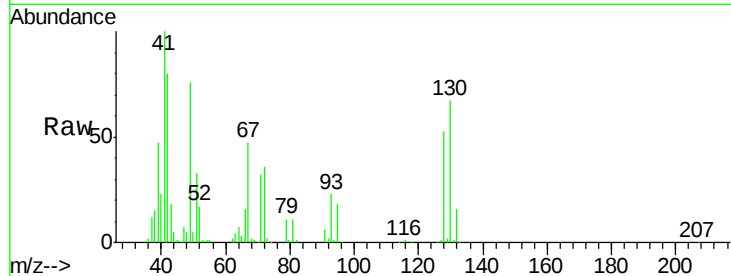
#41
Methacrylonitrile
Concen: 59.301 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

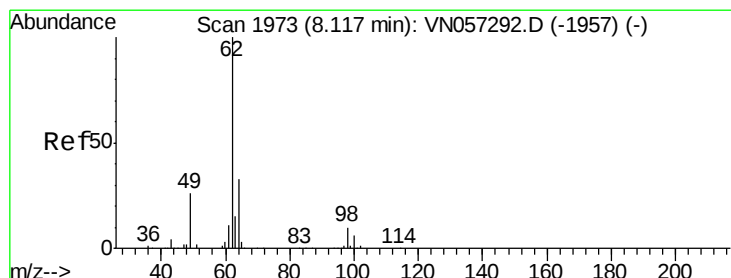
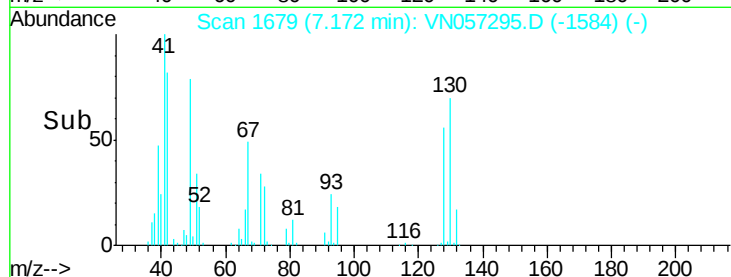
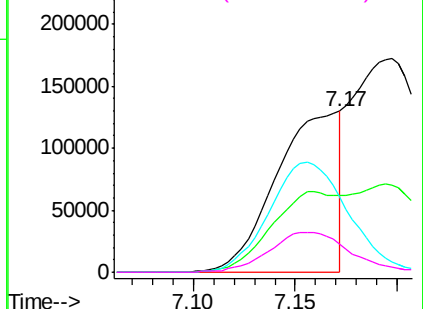
Tot Ion	41	Resp	282160
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:21 AM

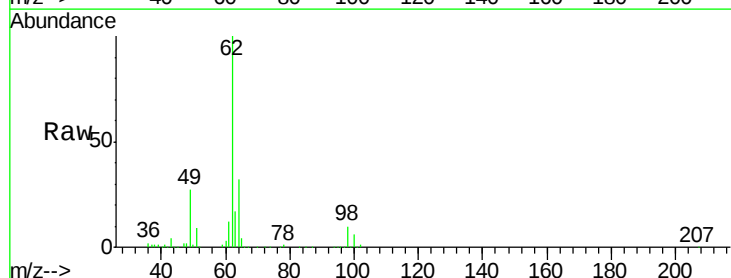


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

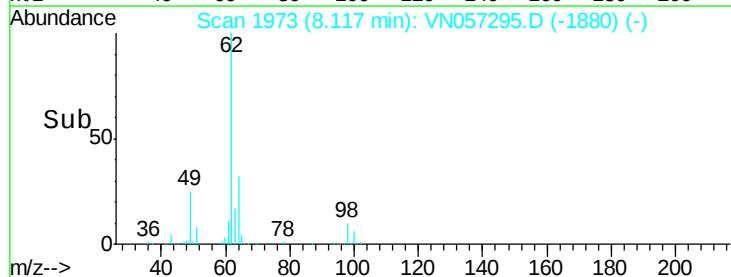
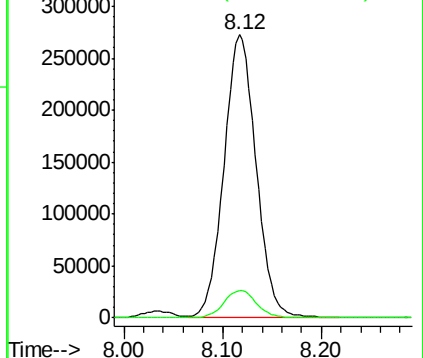


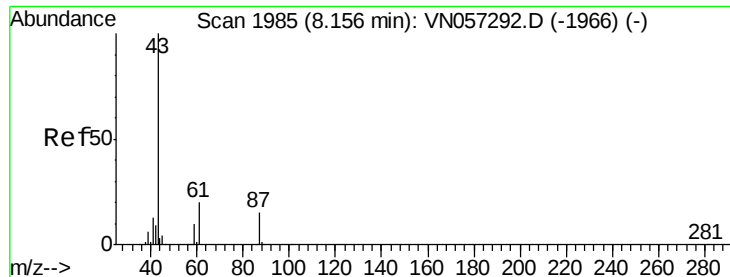
#42
1,2-Dichloroethane
Concen: 47.307 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	62	Resp	617786
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





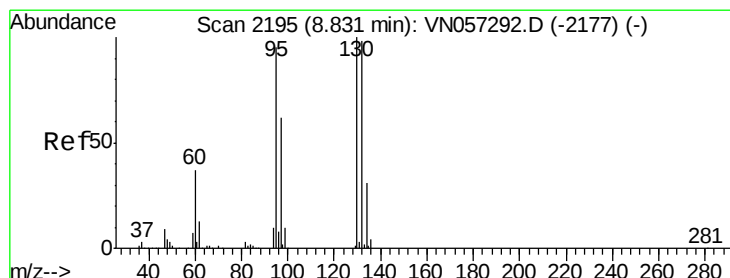
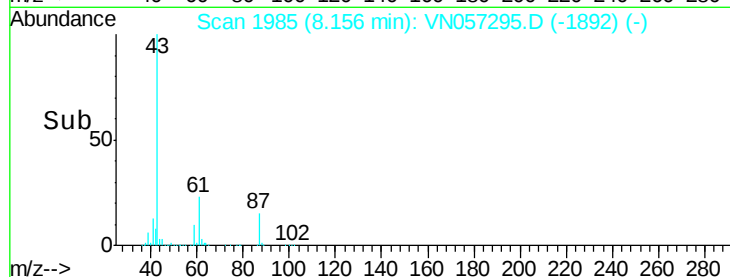
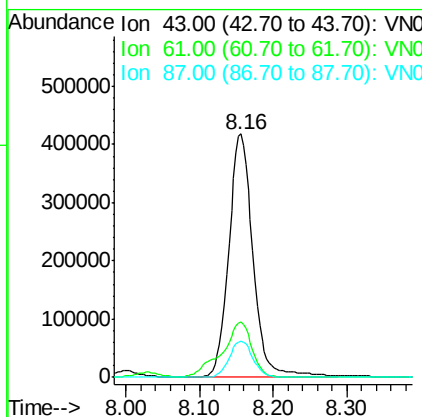
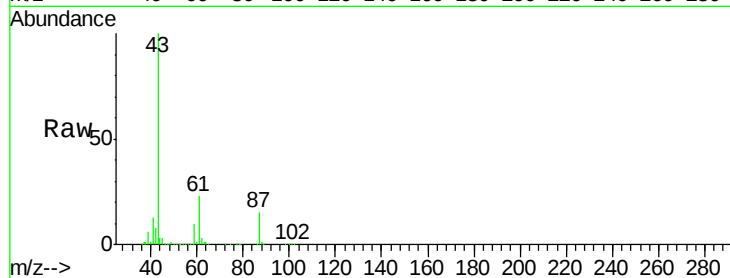
#43
Isopropyl Acetate
Concen: 48.797 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.0	21.6	32.4
87	14.5	11.4	17.0

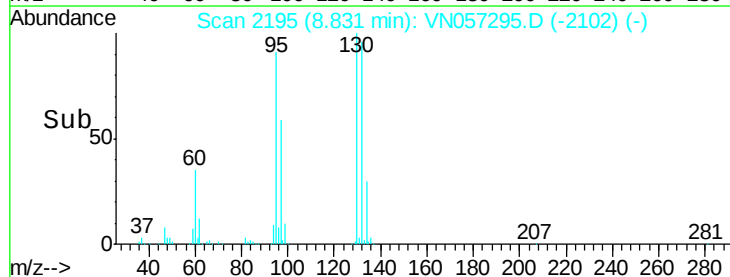
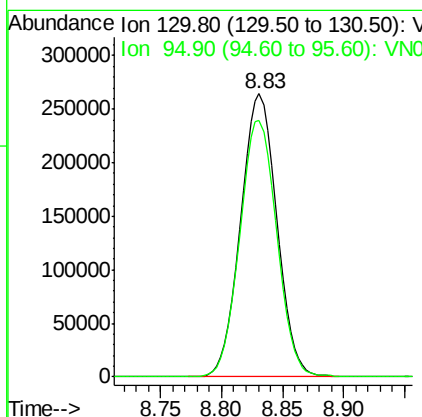
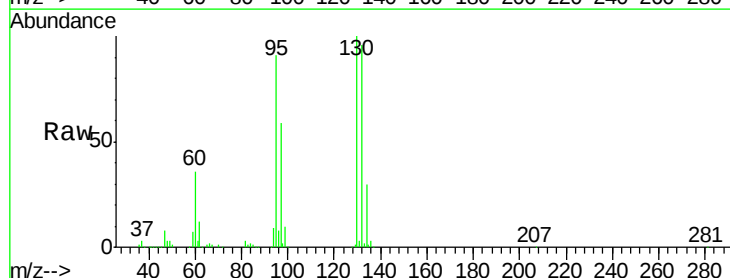
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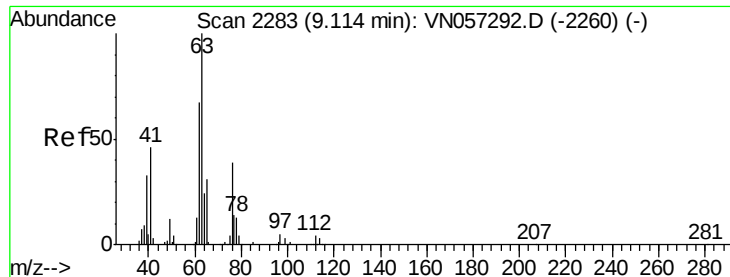
MMDadoda
8/19/2019 1:53:21 AM



#44
Trichloroethene
Concen: 48.912 ug/l
RT: 8.83 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	189.2





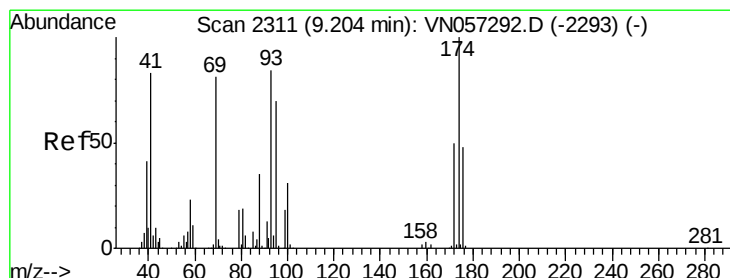
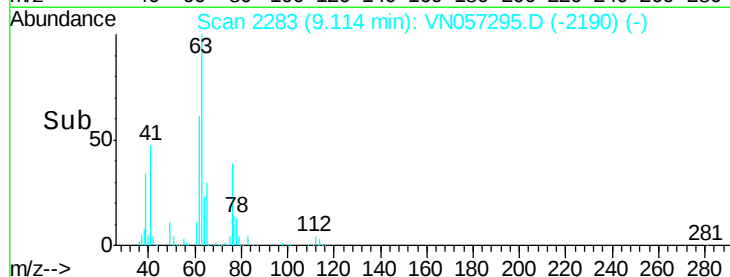
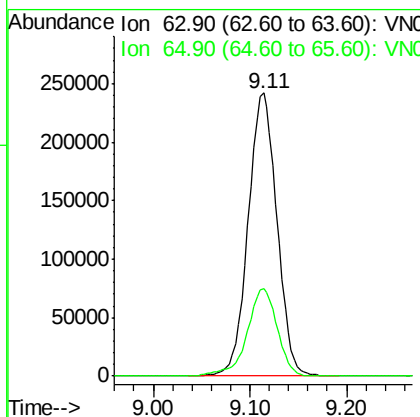
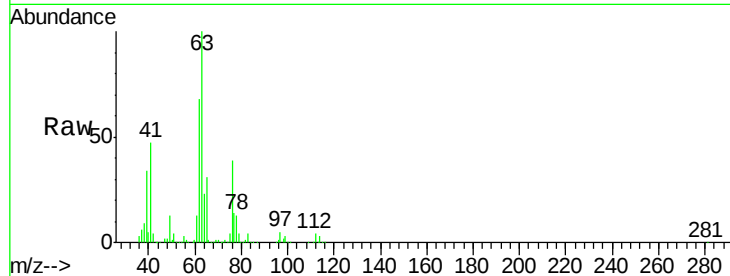
#45
 1,2-Dichloropropane
 Concen: 49.156 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081519

Tot Ion	Ratio	Resp	Lower	Upper
63	100	499931		
65	31.0	24.8	37.2	

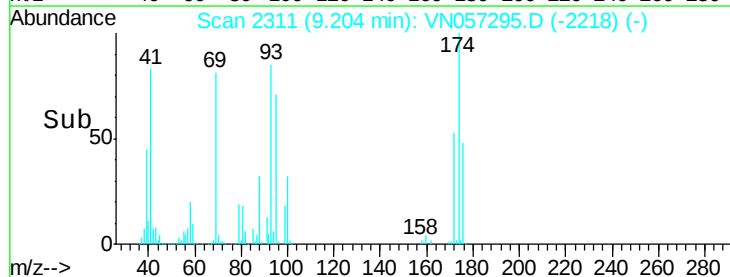
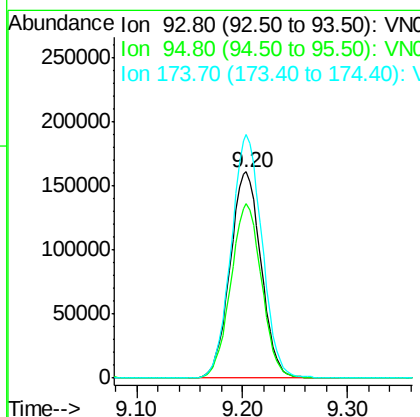
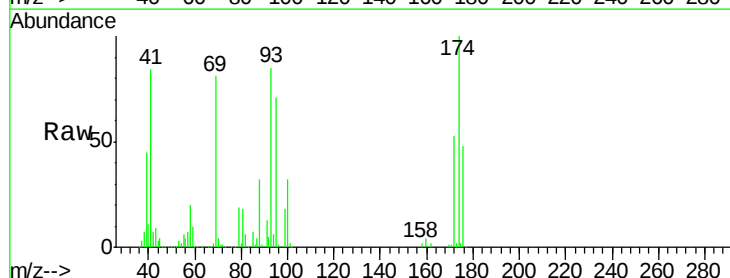
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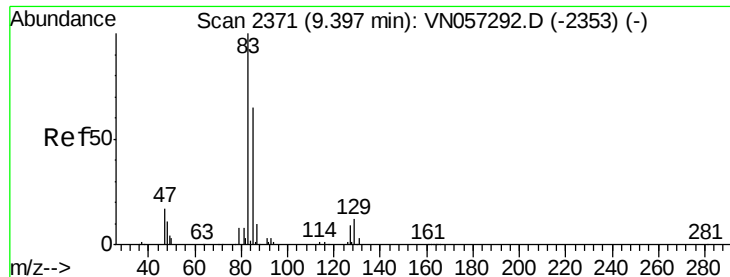
MMDadoda
 8/19/2019 1:53:21 AM



#46
 Dibromomethane
 Concen: 48.232 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	327252		
95	84.3	66.5	99.7	
174	117.8	95.7	143.5	





#47

Bromodichloromethane

Concen: 48.395 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

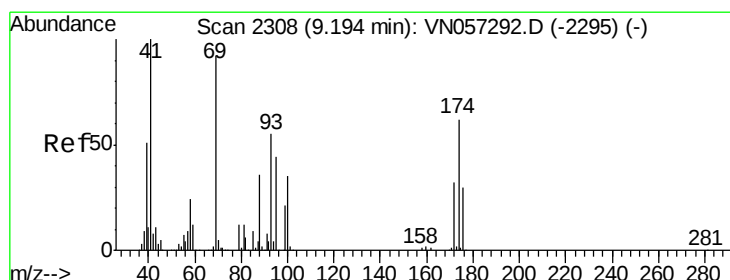
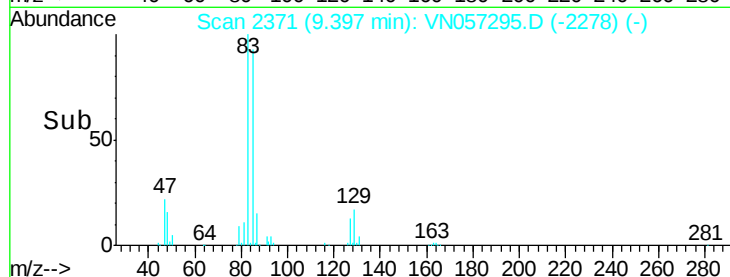
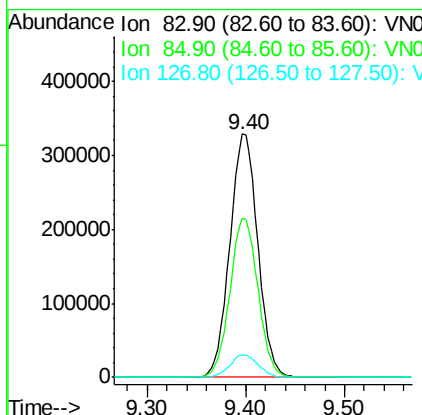
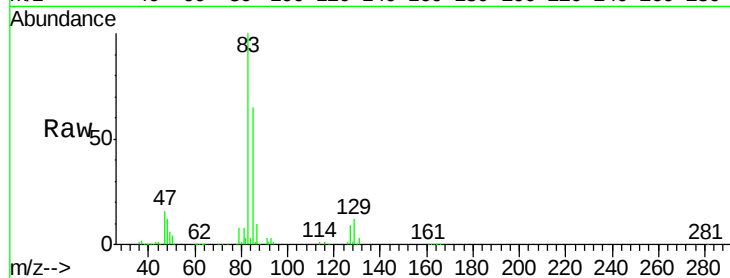
ClientSampleId :

ICVVN081519

Tot Ion:	83	Resp:	650586
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.9	77.9
127	9.2	7.2	10.8

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#48

Methyl methacrylate

Concen: 48.951 ug/l

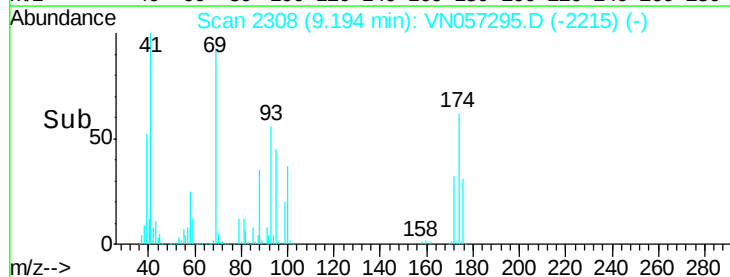
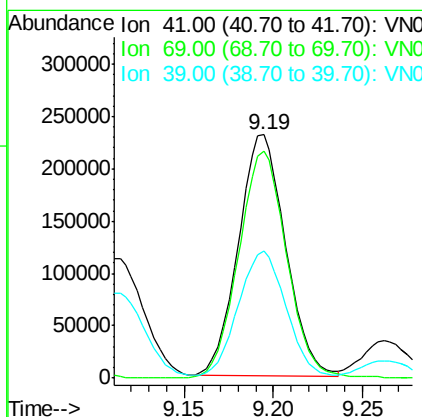
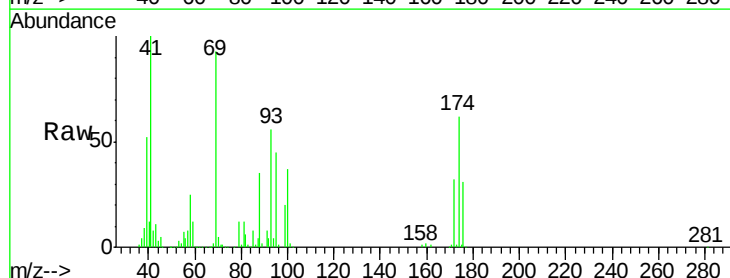
RT: 9.19 min Scan# 2308

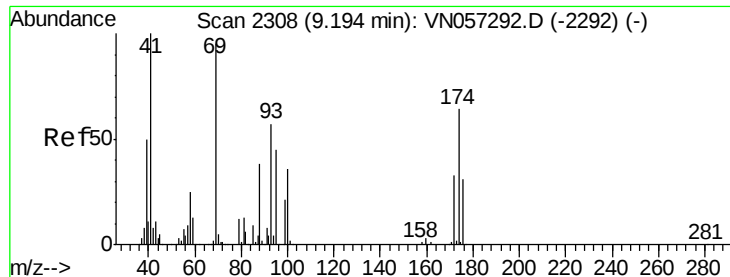
Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Tgt Ion:	41	Resp:	425908
Ion Ratio	Lower	Upper	
41	100		
69	96.4	75.9	113.9
39	53.8	42.3	63.5





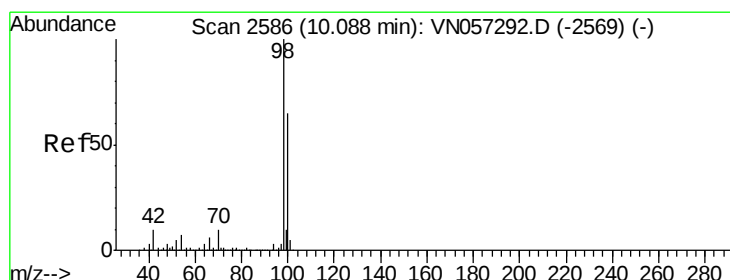
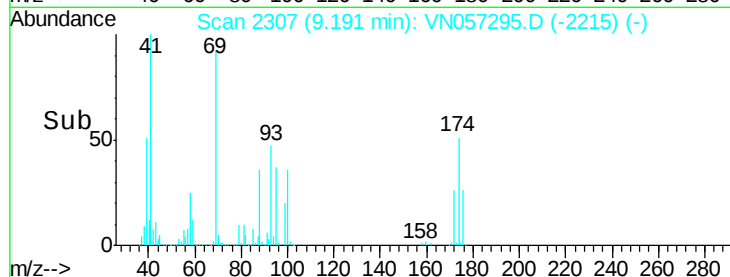
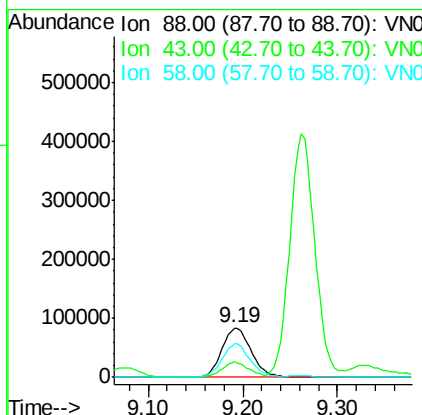
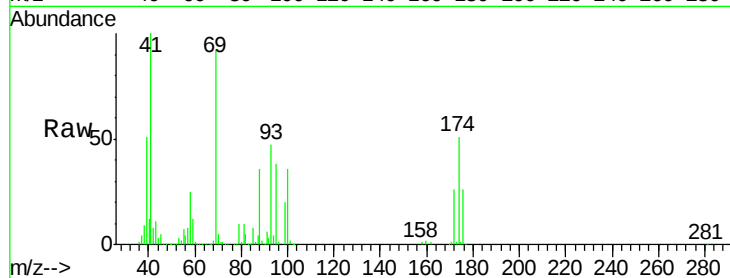
#49
1,4-Dioxane
Concen: 990.608 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.8	22.9	34.3
58	64.6	52.7	79.1

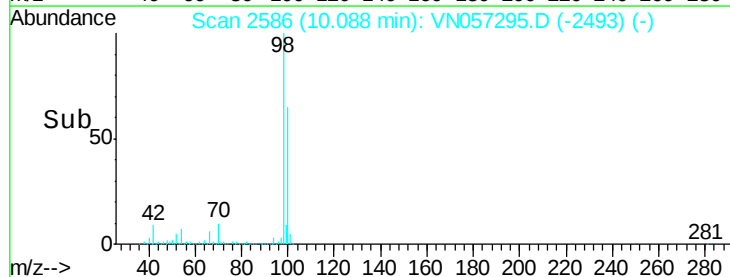
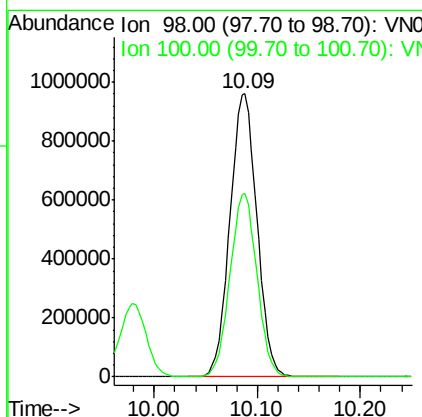
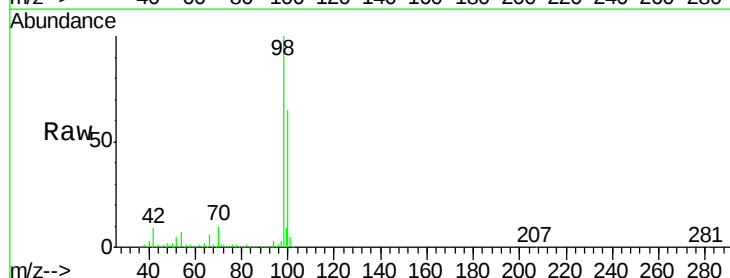
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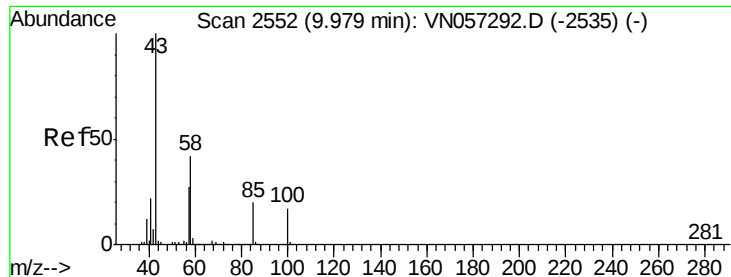
MMdadoda
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#50
Toluene-d8
Concen: 50.155 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 243.246 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081519

Tot Ion: 43 Resp: 2651417

Ion Ratio Lower Upper

43 100

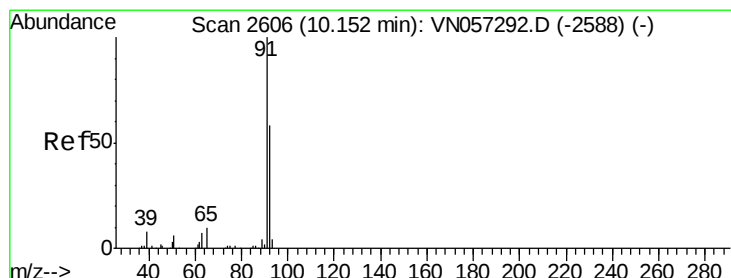
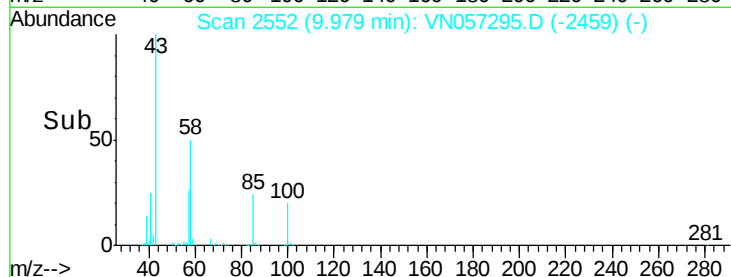
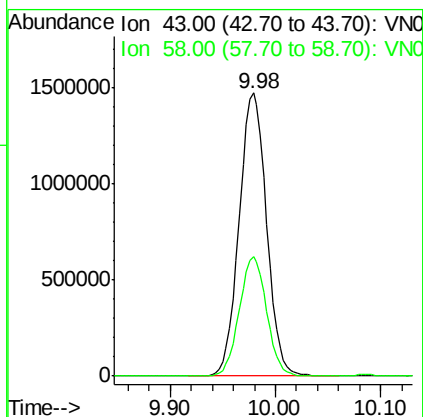
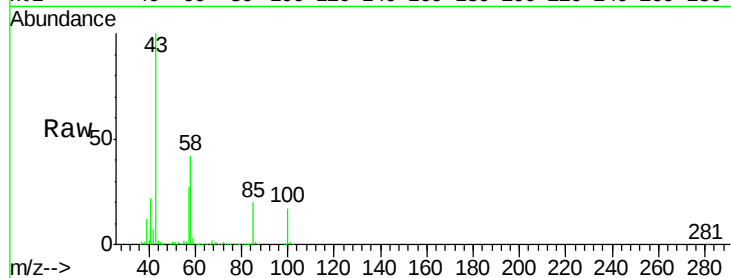
58 42.3 33.2 49.8

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#52

Toluene

Concen: 49.323 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057295.D

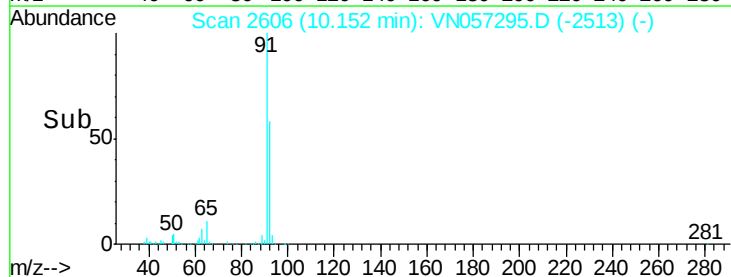
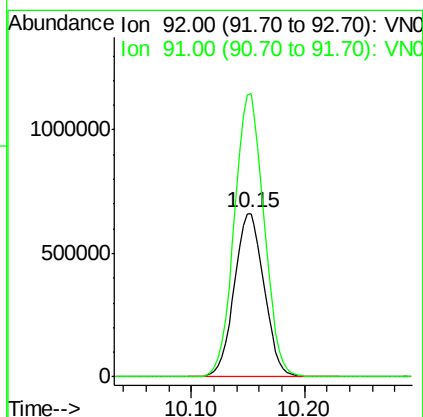
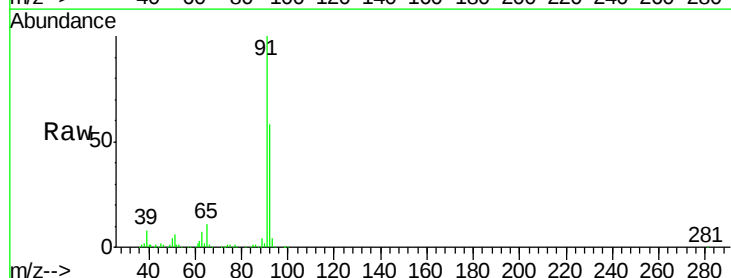
Acq: 14 Aug 2019 18:40

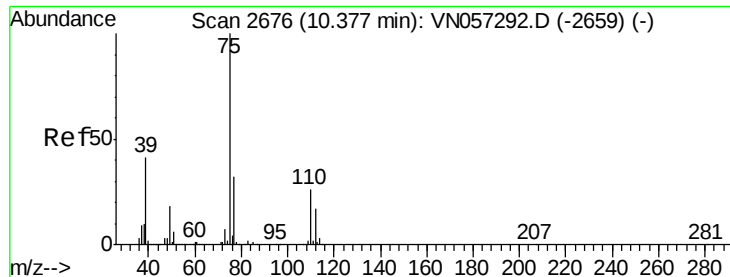
Tgt Ion: 92 Resp: 1211331

Ion Ratio Lower Upper

92 100

91 172.9 138.9 208.3





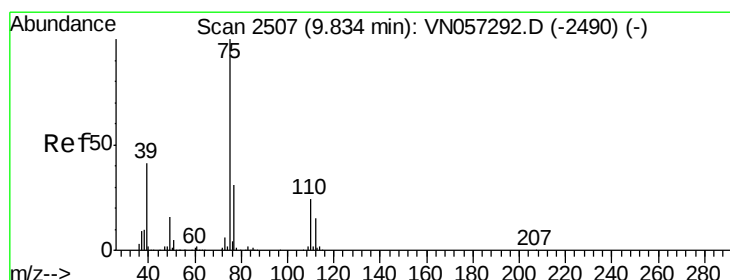
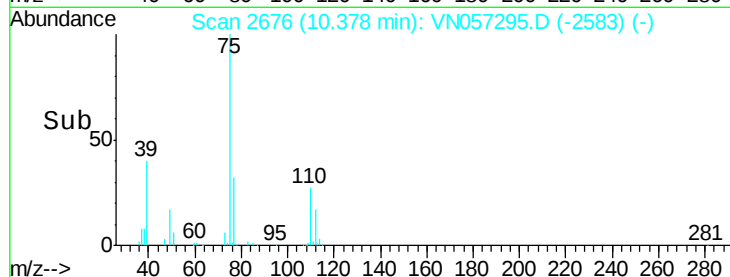
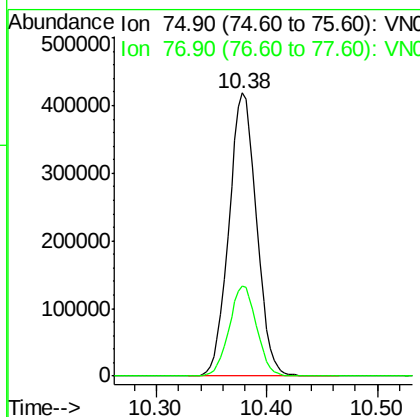
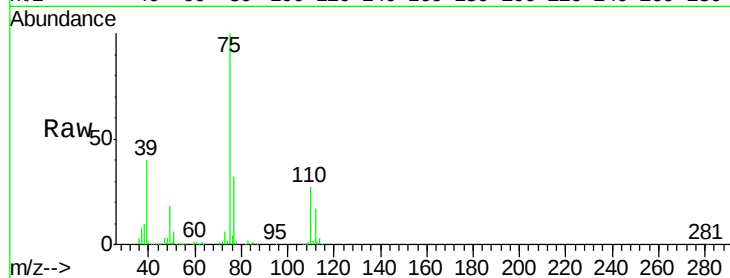
#53
t-1,3-Dichloropropene
Concen: 50.023 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3

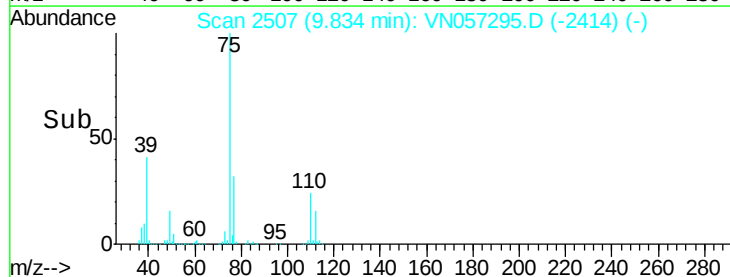
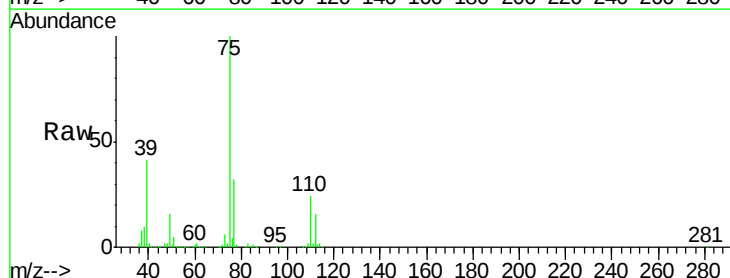
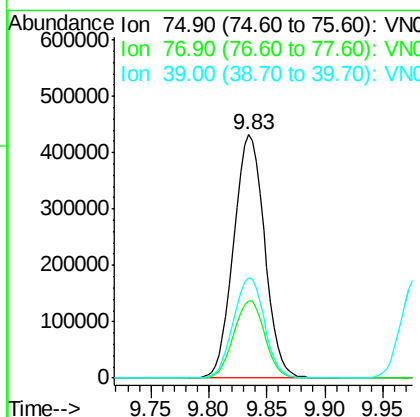
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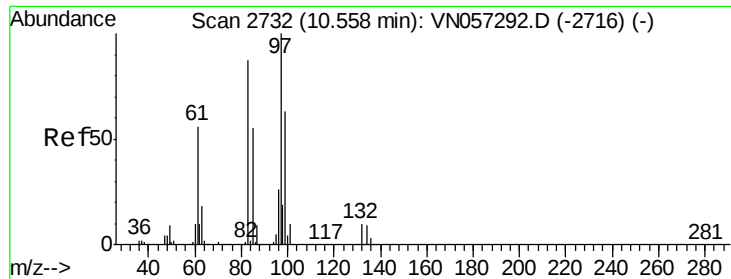
MMdadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.749 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	41.4	32.7	49.1





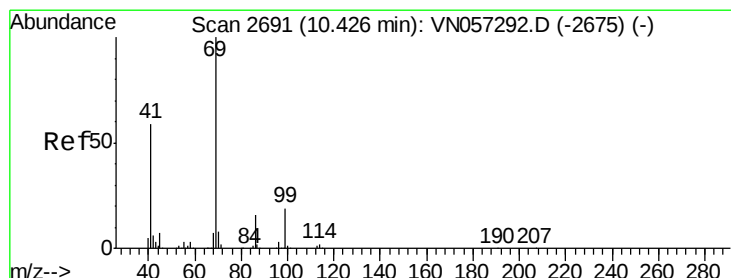
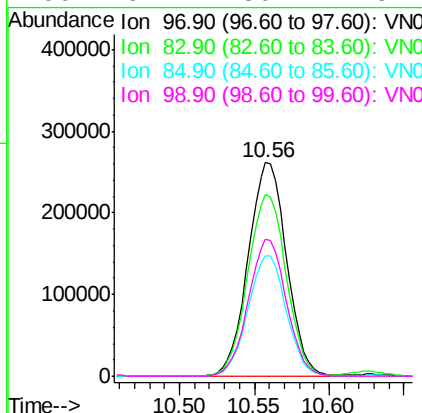
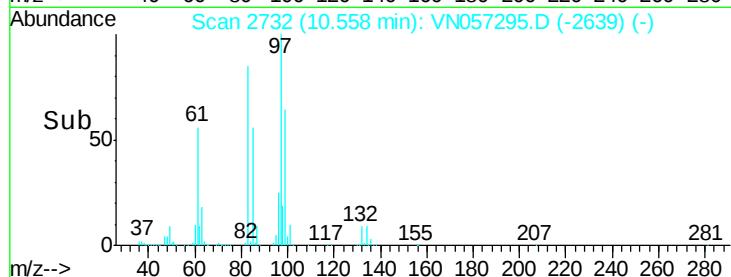
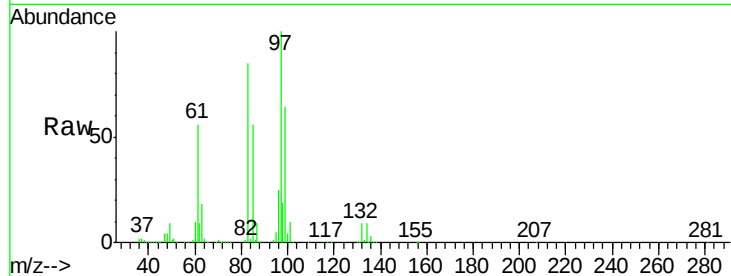
#55
 1,1,2-Trichloroethane
 Concen: 48.430 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081519

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		467695		
83	84.9	69.8	104.8		
85	56.4	44.1	66.1		
99	64.4	50.2	75.2		

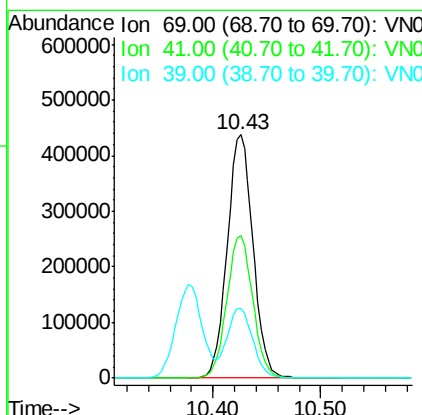
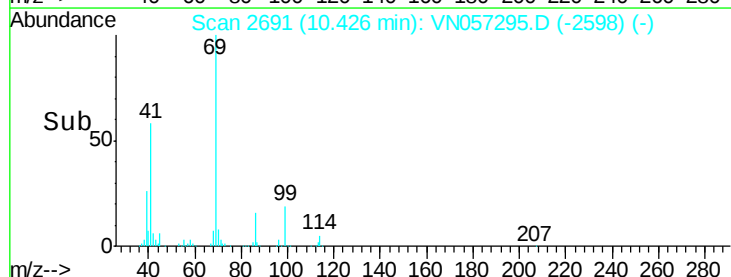
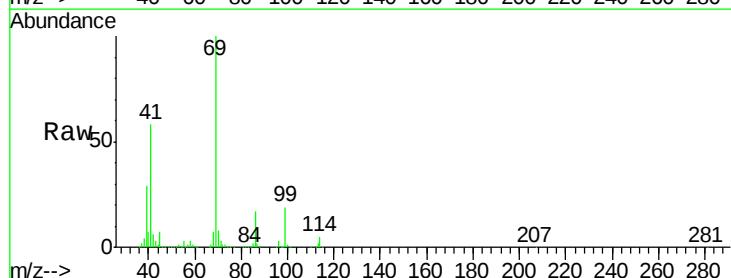
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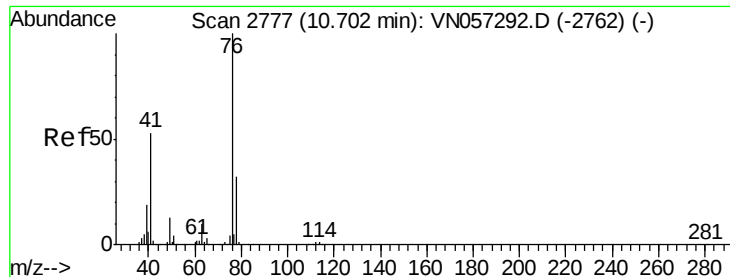
MMdadoda
 8/19/2019 1:53:21 AM



#56
 Ethyl methacrylate
 Concen: 51.439 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		724932		
41	58.7	48.2	72.2		
39	28.5	23.4	35.0		





#57

1,3-Dichloropropane

Concen: 48.339 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081519

Tot Ion: 76 Resp: 779844

Ion Ratio Lower Upper

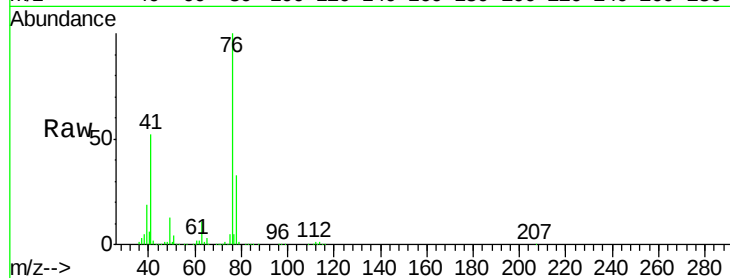
76 100

78 32.7 25.6 38.4

Manual Integrations
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MMdadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

400000

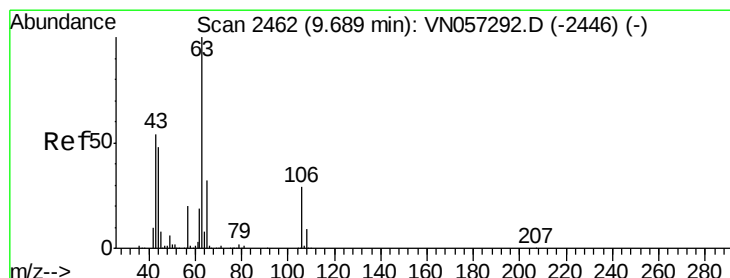
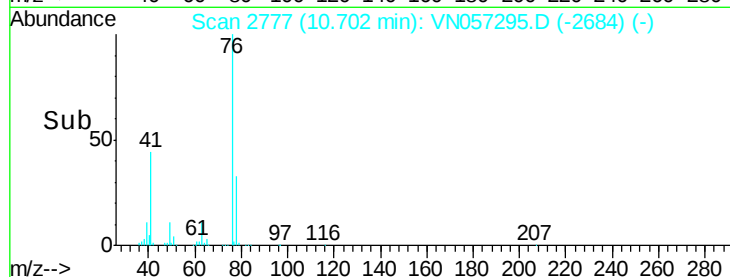
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 224.585 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057295.D

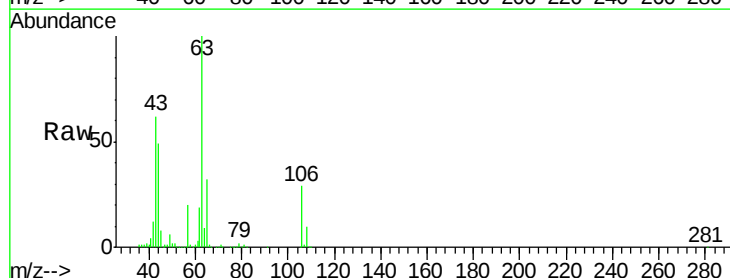
Acq: 14 Aug 2019 18:40

Tgt Ion: 63 Resp: 930458

Ion Ratio Lower Upper

63 100

106 29.3 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

600000

500000

400000

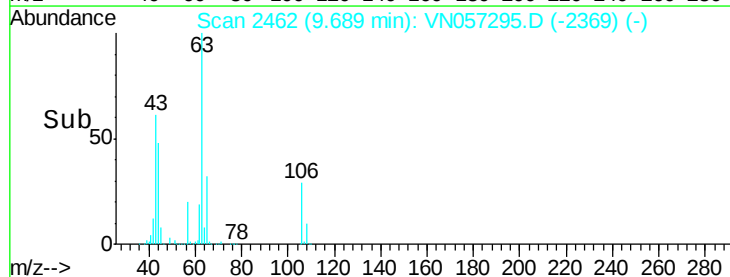
300000

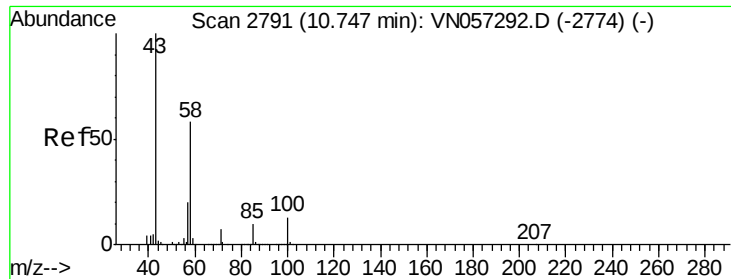
200000

100000

0

Time-->





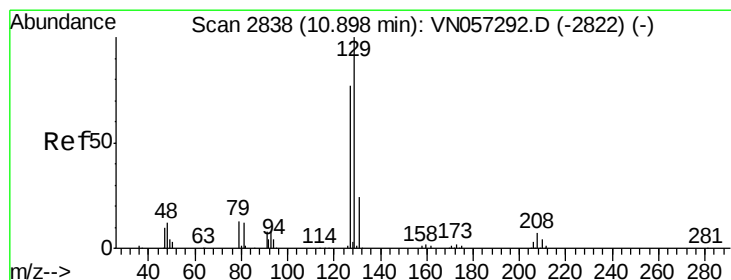
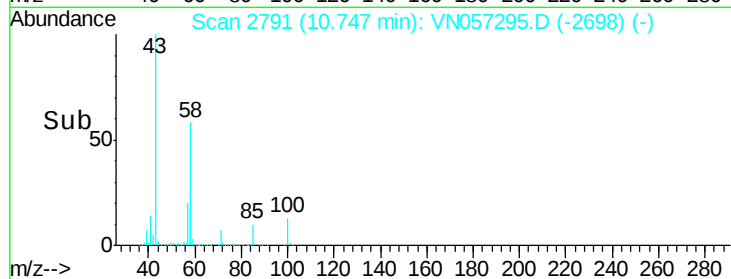
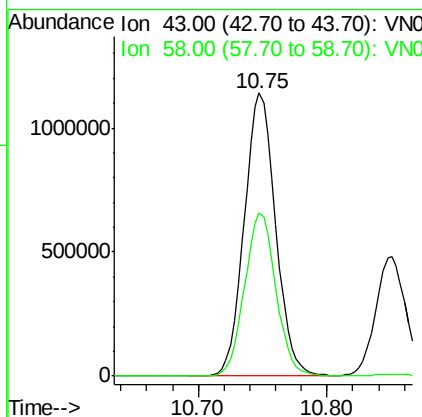
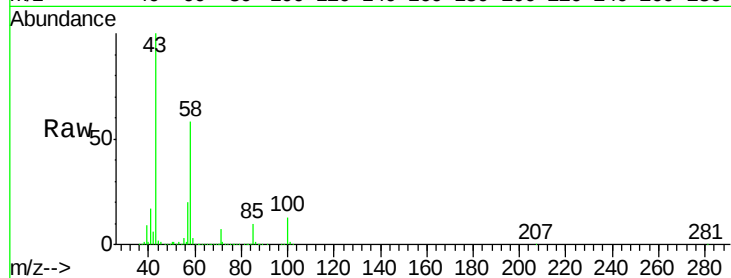
#59
2-Hexanone
Concen: 246.127 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion: 43 Resp: 1928752
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.9

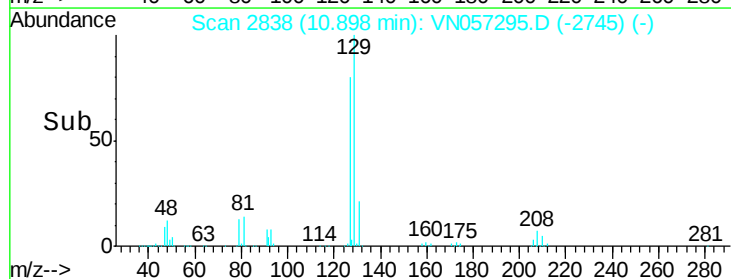
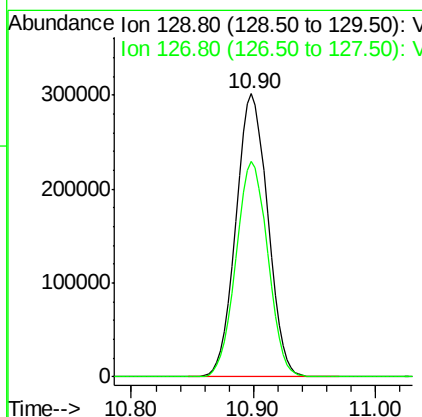
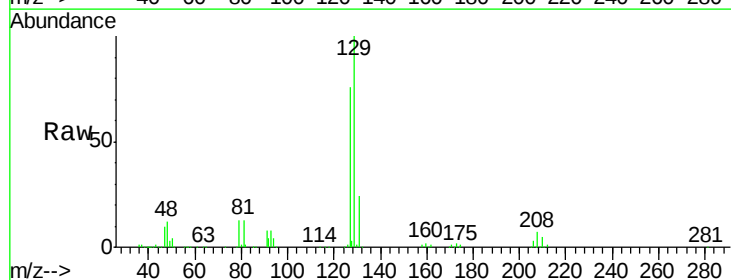
Manual Integrations
APPROVED

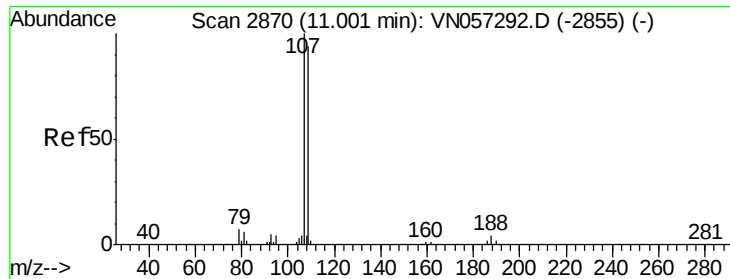
MMdadoda
8/19/2019 1:53:21 AM



#60
Dibromochloromethane
Concen: 50.350 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion: 129 Resp: 544892
Ion Ratio Lower Upper
129 100
127 76.0 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.970 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081519

Tot Ion: 107 Resp: 503764

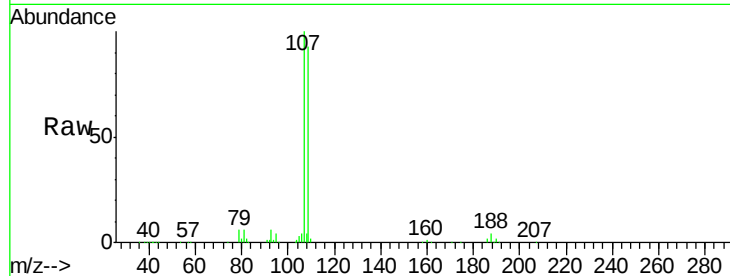
Ion Ratio Lower Upper

107 100

109 93.9 75.7 113.5

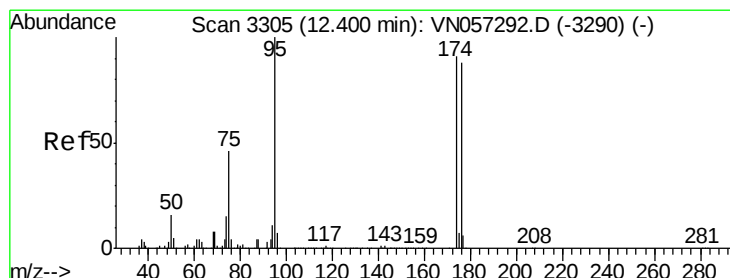
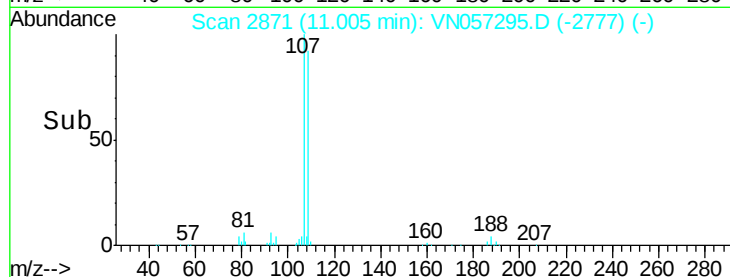
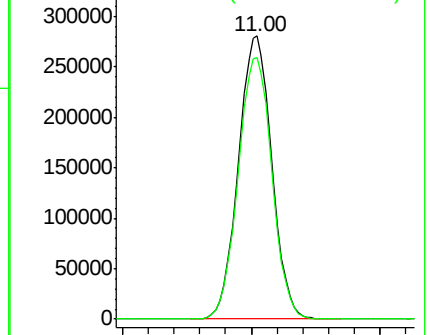
Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:21 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.852 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

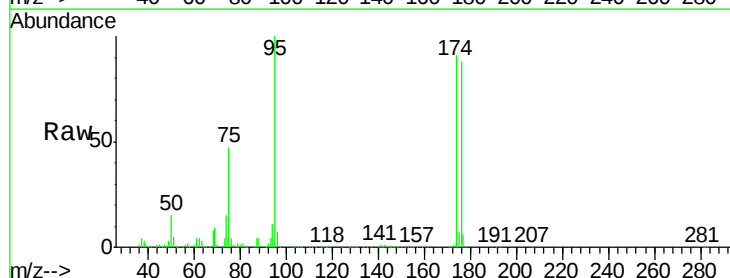
Tgt Ion: 95 Resp: 604755

Ion Ratio Lower Upper

95 100

174 91.9 0.0 185.0

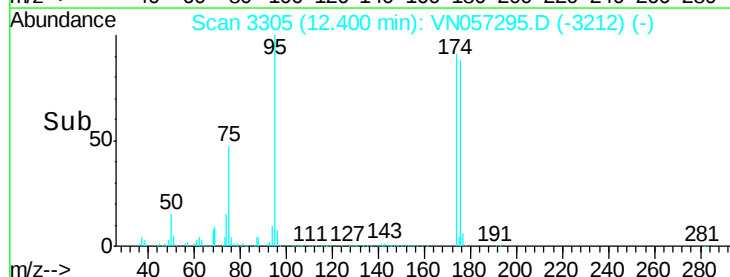
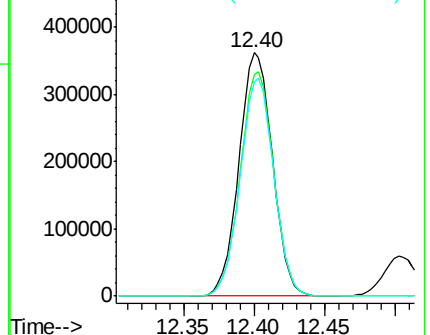
176 89.6 0.0 181.0

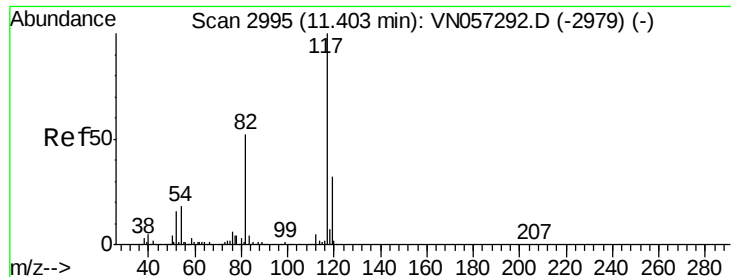


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





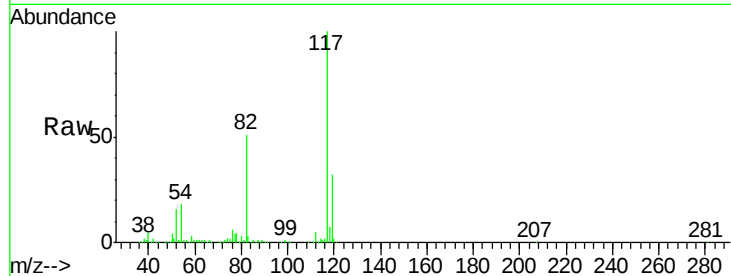
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampled :
ICVVN081519

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.2	61.8
119	31.7	25.8	38.8

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:21 AM

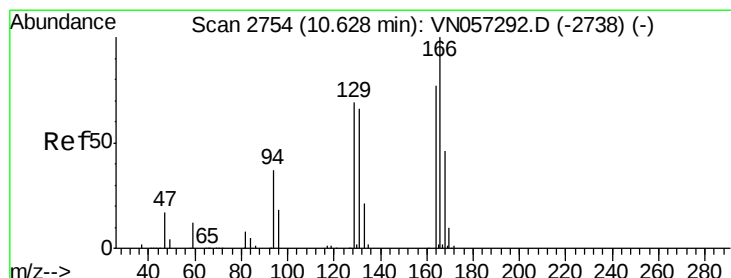
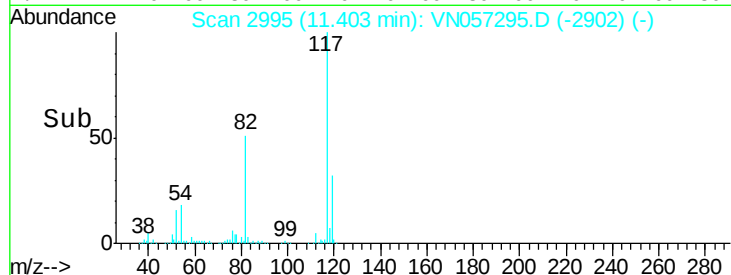
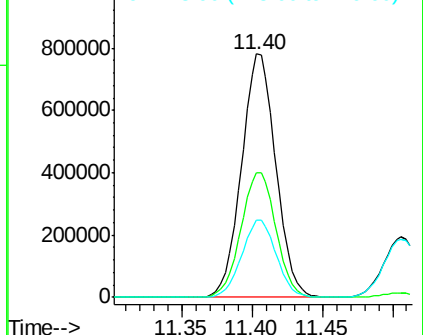


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 46.606 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.5	155.3
129	89.8	71.2	106.8
131	85.8	68.2	102.4

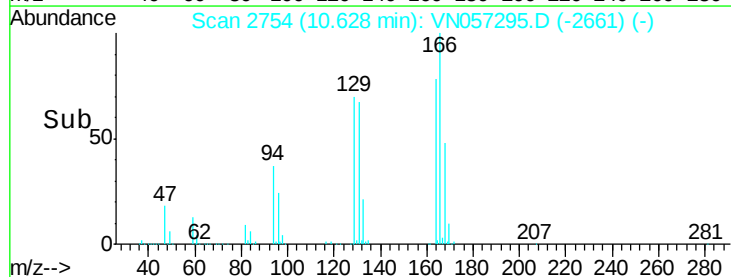
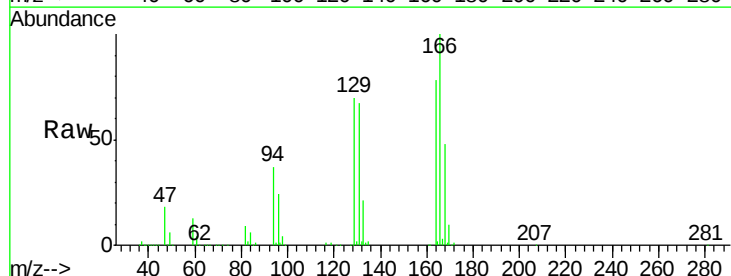
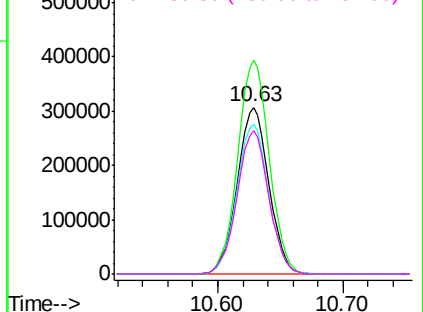
Abundance

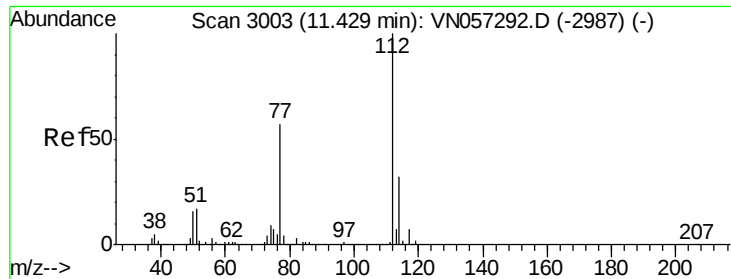
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





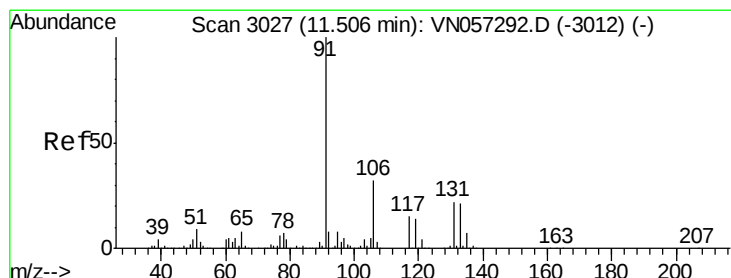
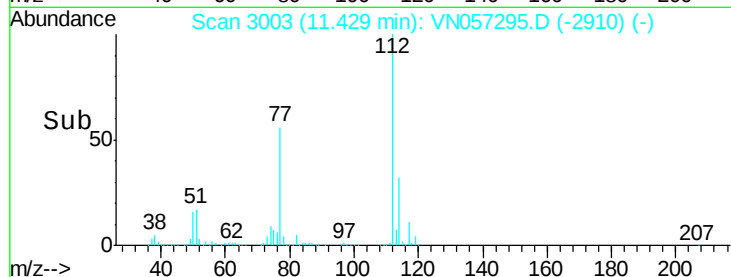
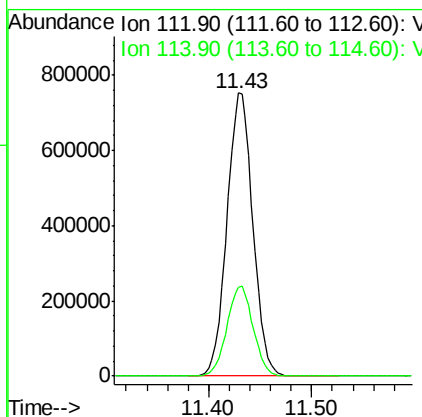
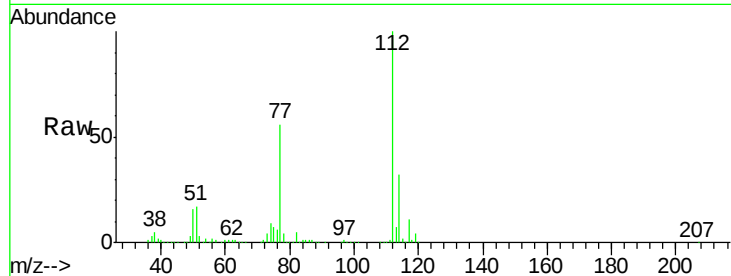
#65
Chlorobenzene
Concen: 48.493 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion:112 Resp: 1314300
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5

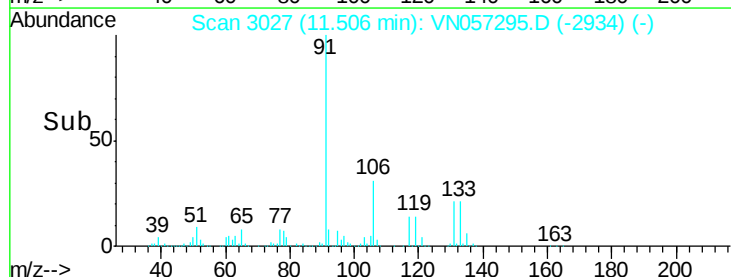
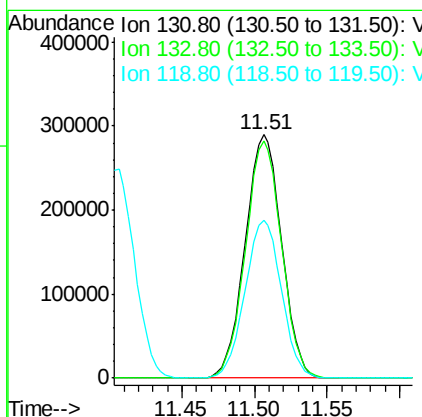
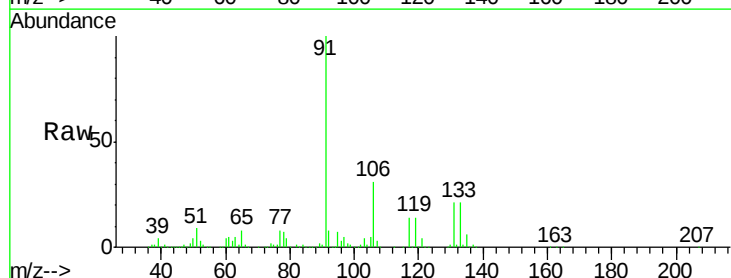
Manual Integrations
APPROVED

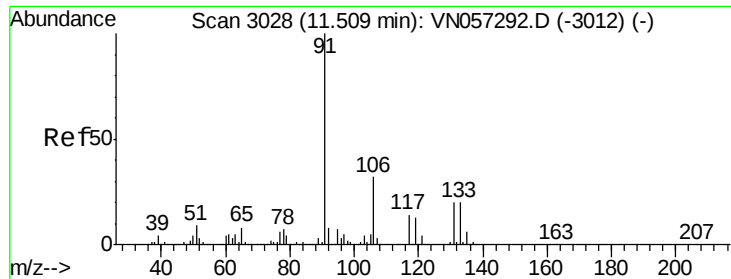
MMdadoda
8/19/2019 1:53:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.846 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion:131 Resp: 507005
Ion Ratio Lower Upper
131 100
133 96.5 47.6 142.8
119 64.9 32.0 96.2





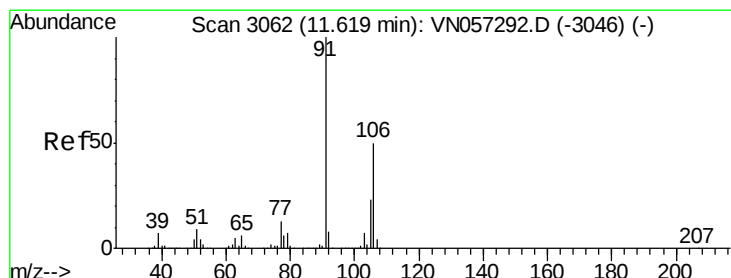
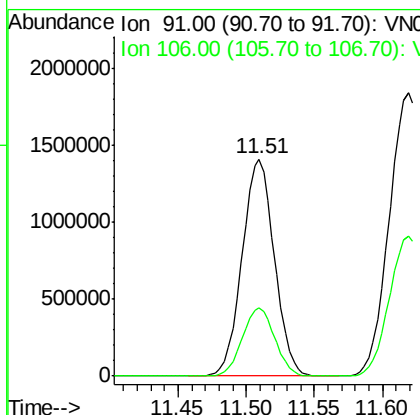
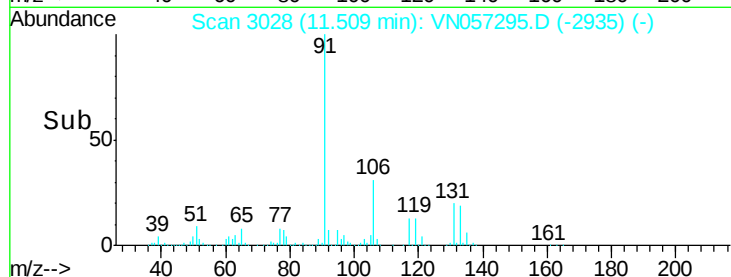
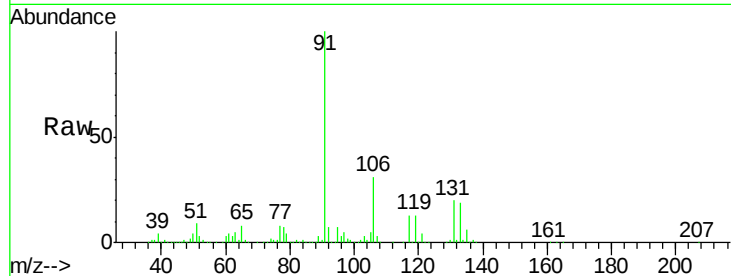
#67
Ethyl Benzene
Concen: 48.846 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion: 91 Resp: 2316118
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

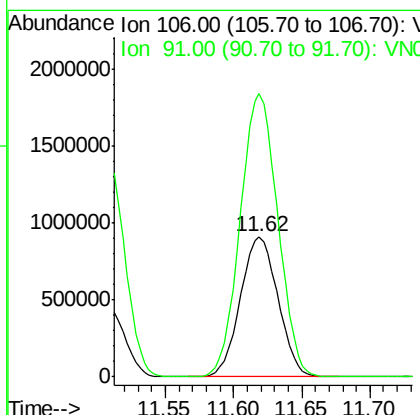
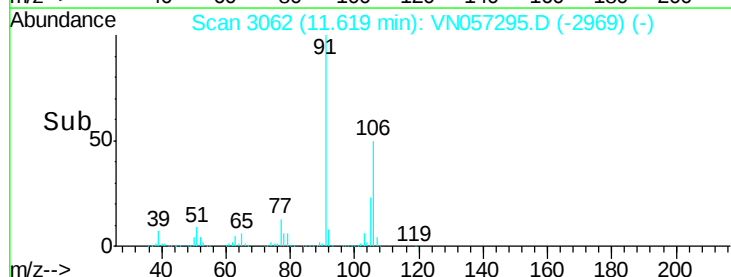
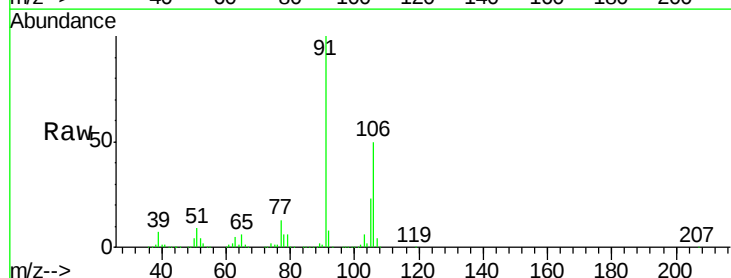
Manual Integrations
APPROVED

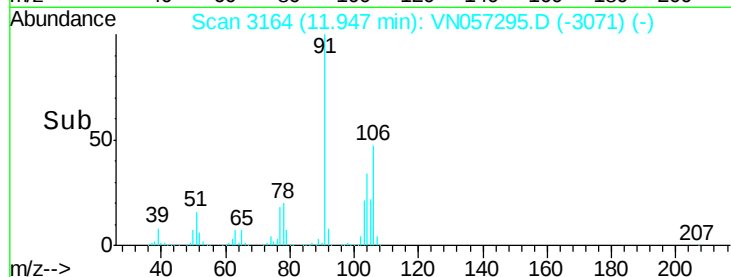
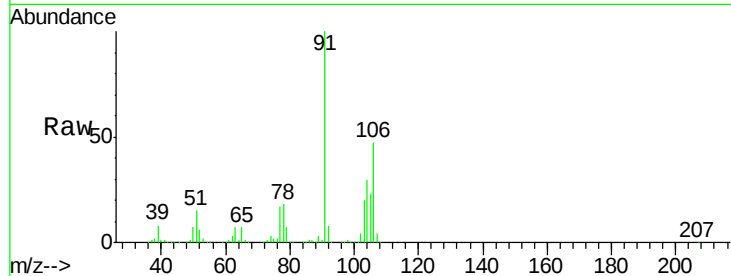
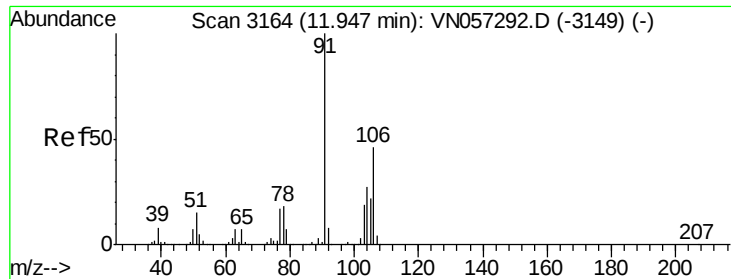
MMdadoda
8/19/2019 1:53:21 AM



#68
m/p-Xylenes
Concen: 99.937 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion: 106 Resp: 1745925
Ion Ratio Lower Upper
106 100
91 201.8 161.5 242.3





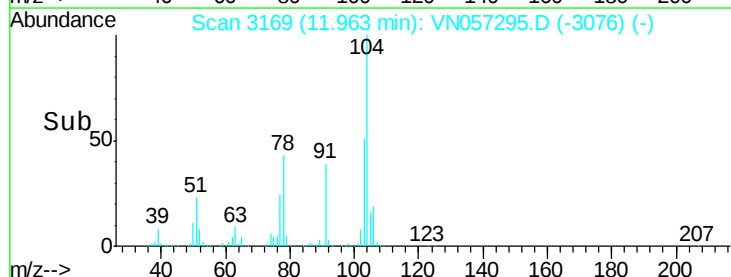
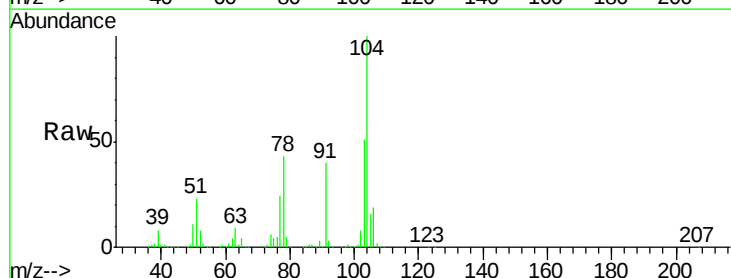
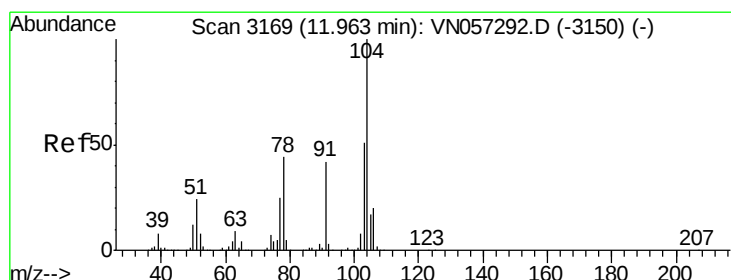
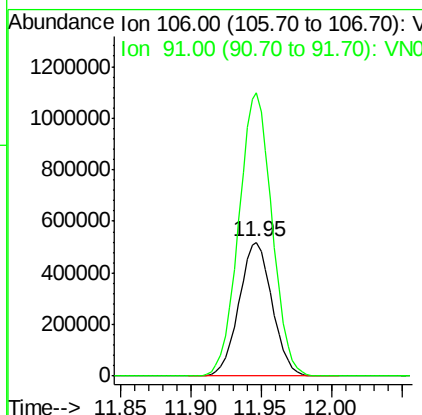
#69
o-Xylene
Concen: 49.842 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tot Ion:106 Resp: 854952
Ion Ratio Lower Upper
106 100
91 211.8 106.3 319.0

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

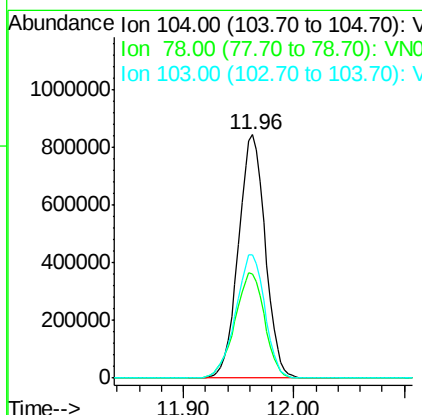
Manual Integrations
APPROVED

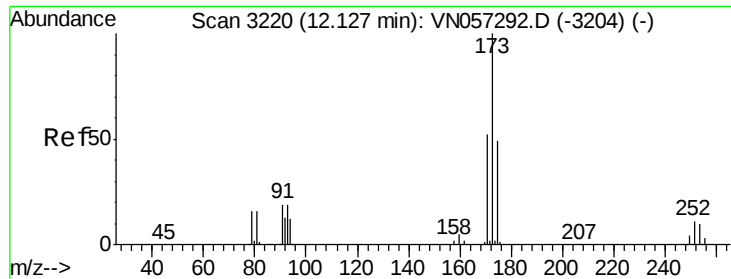
MMdadoda
8/19/2019 1:53:21 AM



#70
Styrene
Concen: 52.037 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion:104 Resp: 1422873
Ion Ratio Lower Upper
104 100
78 48.1 39.2 58.8
103 55.3 44.6 66.8





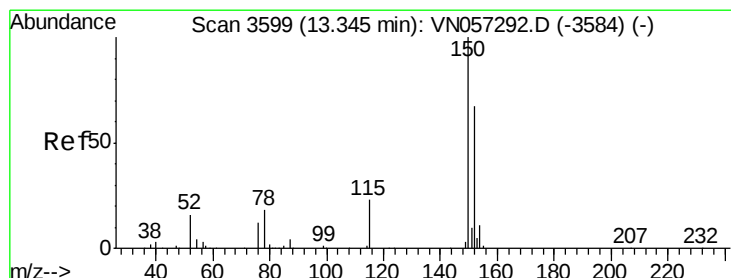
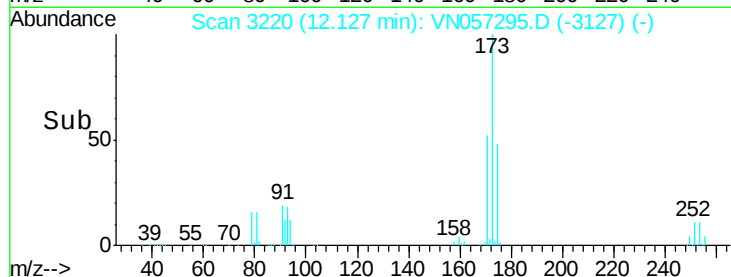
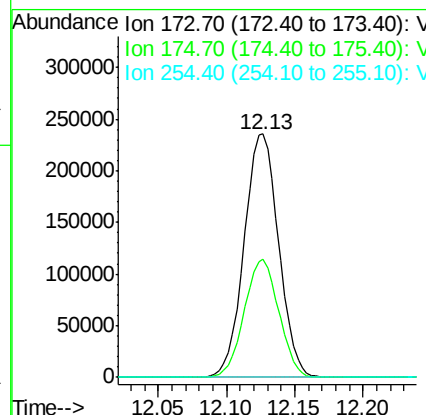
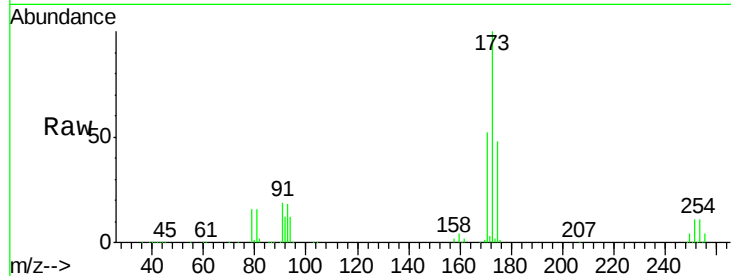
#71
Bromoform
Concen: 50.472 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.2	72.6
254	0.2	0.2	0.2

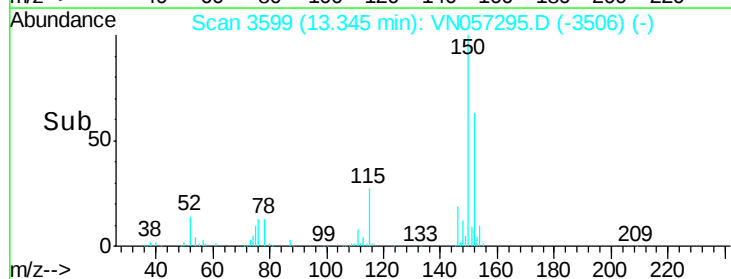
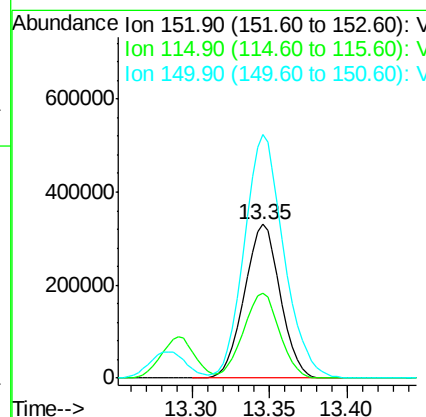
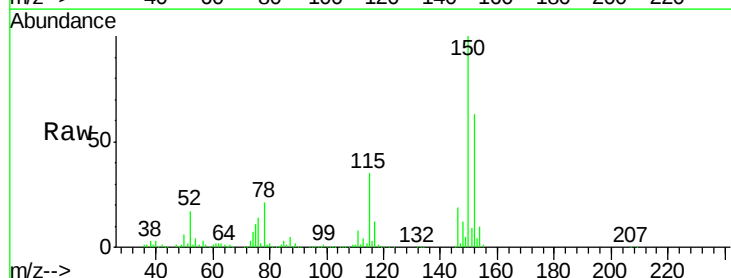
Manual Integrations
APPROVED

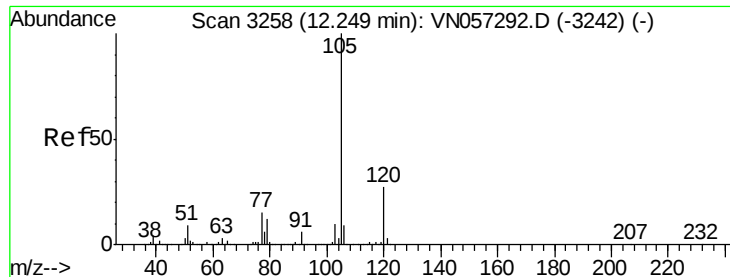
MMDadoda
8/19/2019 1:53:21 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.3	81.9
150	173.4	0.0	344.4





#73

Isopropylbenzene

Concen: 54.271 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081519

Tot Ion:105 Resp: 2289539

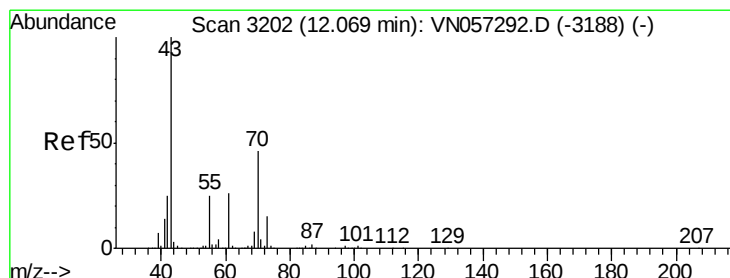
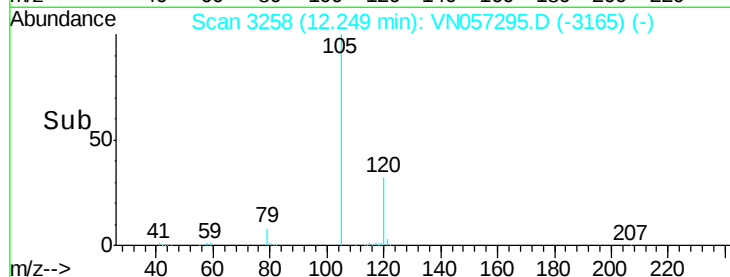
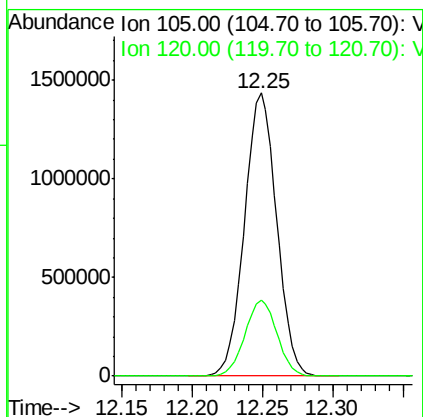
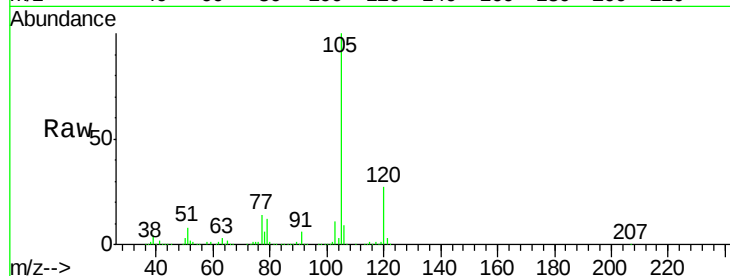
Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:21 AM



#74

N-ethyl acetate

Concen: 48.050 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Tgt Ion: 43 Resp: 743655

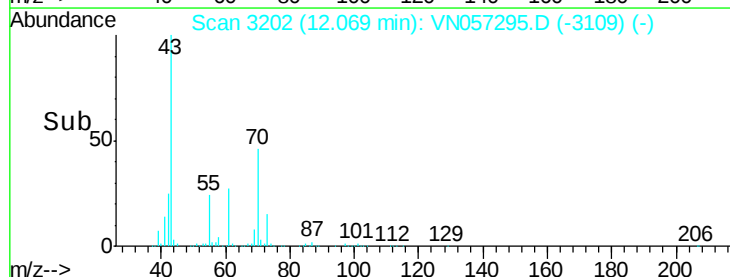
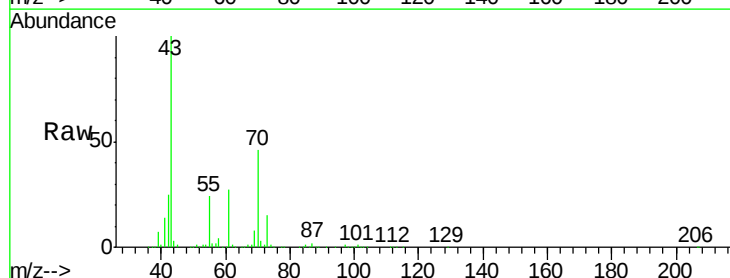
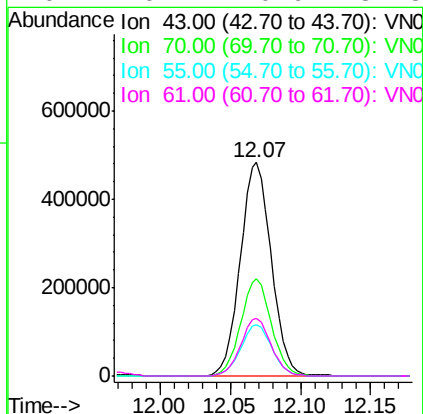
Ion Ratio Lower Upper

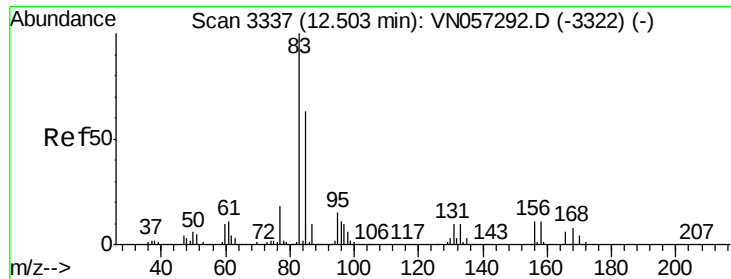
43 100

70 45.1 36.2 54.2

55 24.3 20.1 30.1

61 26.4 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 54.875 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

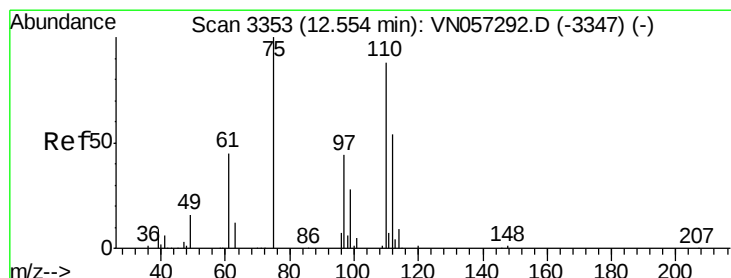
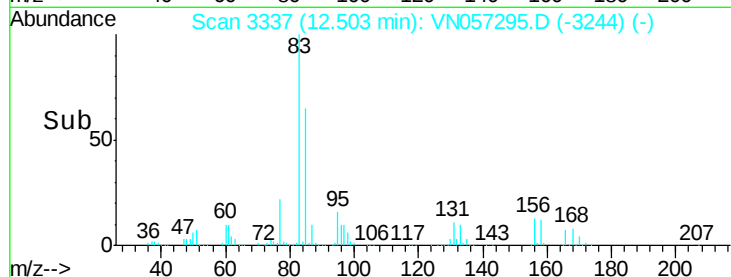
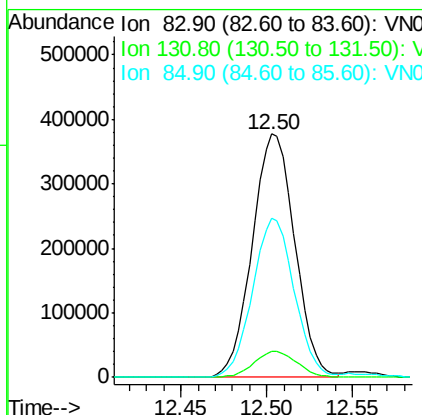
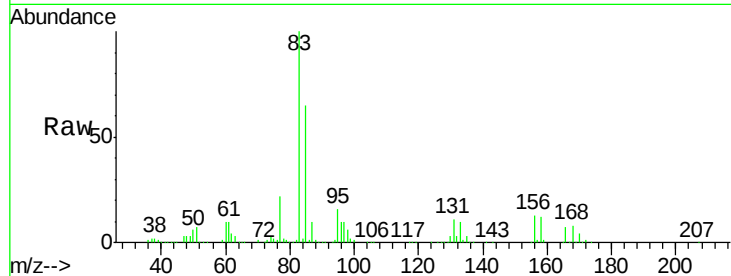
ClientSampleId :

ICVVN081519

Tot Ion:	83	Resp:	645389
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	64.2	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.737 ug/l m

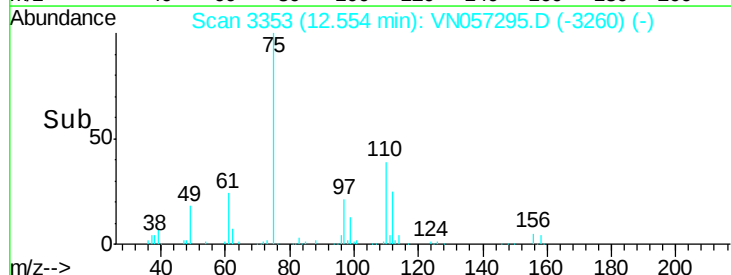
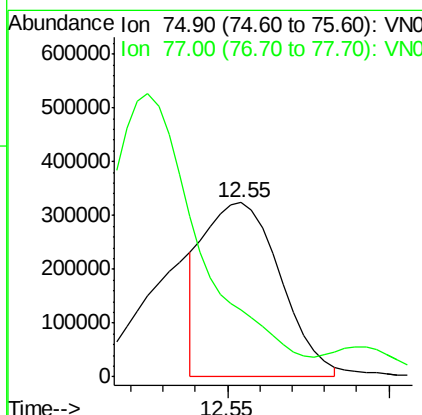
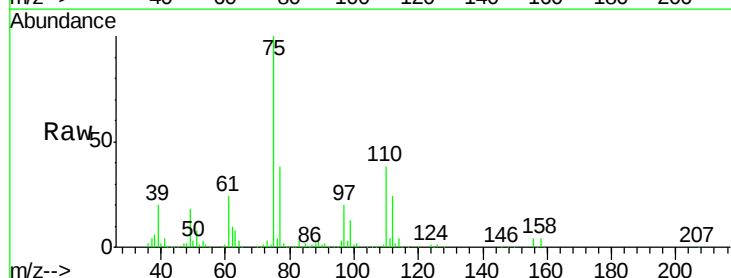
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Tgt Ion:	75	Resp:	532585
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.660 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

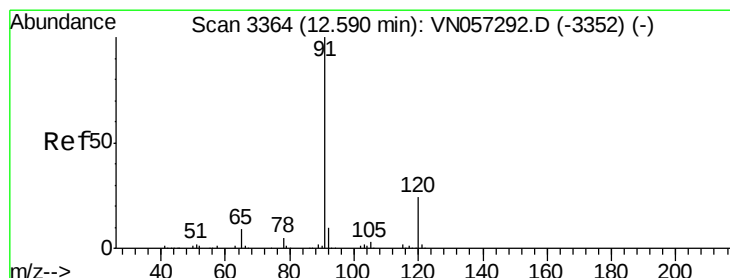
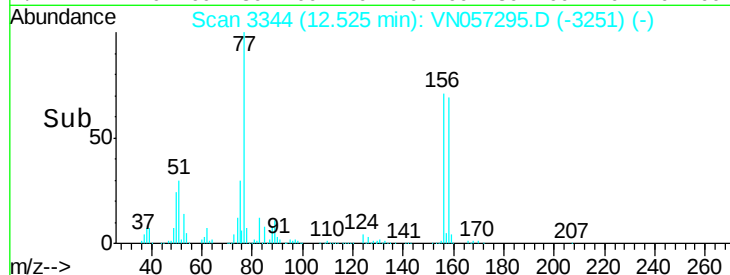
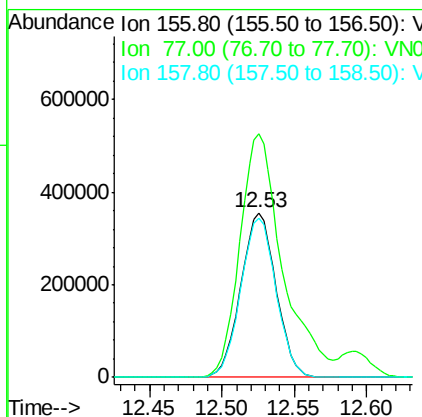
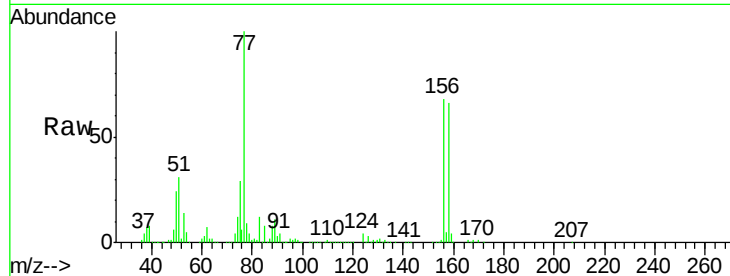
ClientSampleId :

ICVVN081519

Tot Ion:	156	Resp:	600702
Ion Ratio	Lower	Upper	
156	100		
77	180.2	89.8	269.6
158	97.2	49.3	147.8

Manual Integrations
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MMdadoda
8/19/2019 1:53:21 AM



#78

n-propylbenzene

Concen: 47.117 ug/l

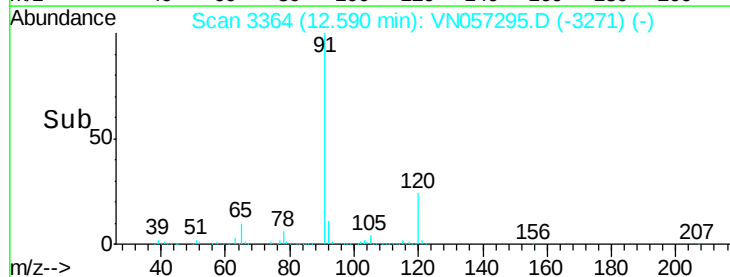
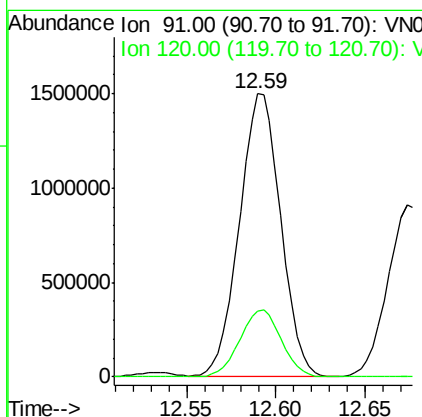
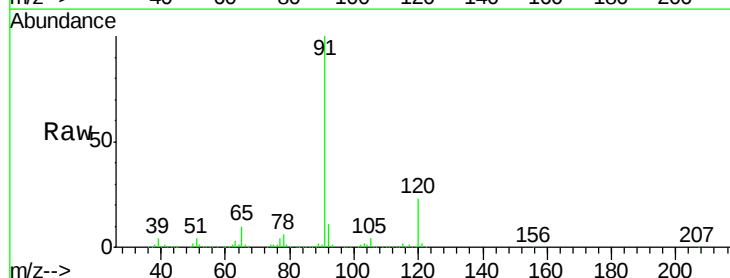
RT: 12.59 min Scan# 3364

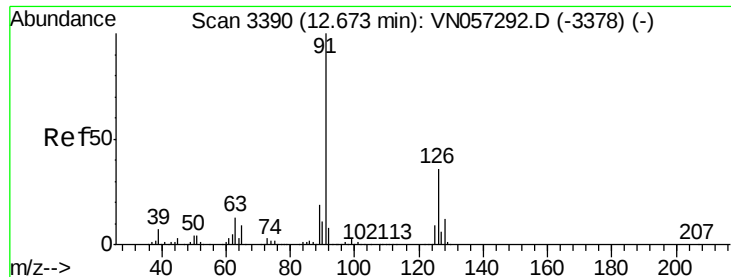
Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Tgt Ion:	91	Resp:	2419957
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.7





#79

2-Chlorotoluene

Concen: 53.416 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081519

Tot Ion: 91 Resp: 1495342

Ion Ratio Lower Upper

91 100

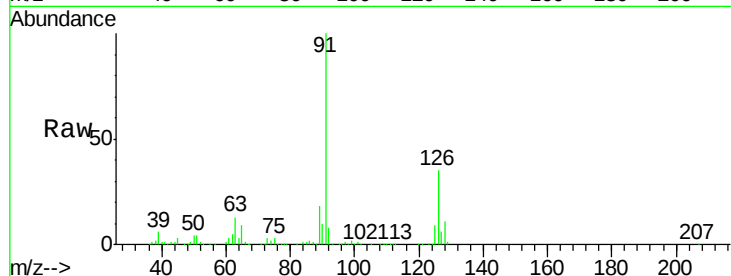
126 35.9 18.1 54.1

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Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057292.D (-3378) (-)

1200000

1000000

800000

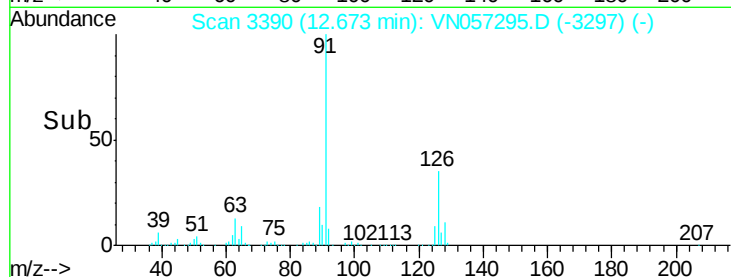
600000

400000

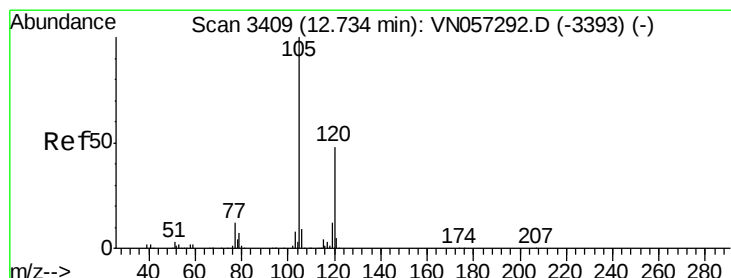
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.312 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057295.D

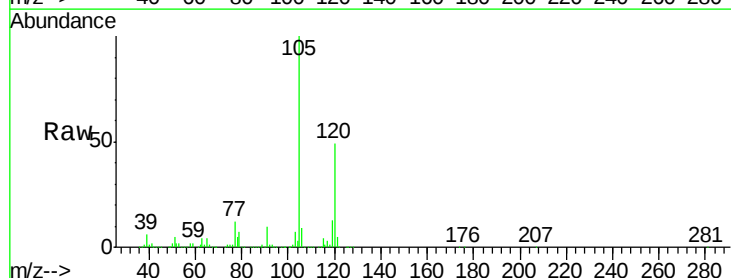
Acq: 14 Aug 2019 18:40

Tgt Ion:105 Resp: 1910431

Ion Ratio Lower Upper

105 100

120 49.1 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057292.D (-3393) (-)

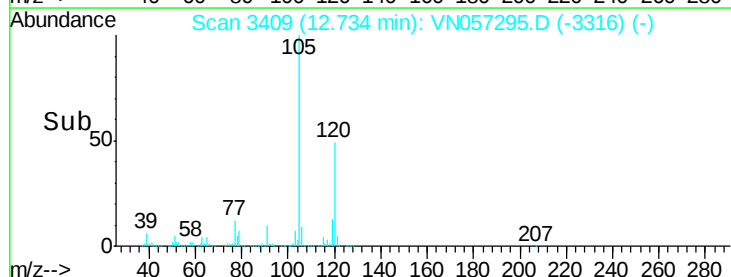
Ion 120.00 (119.70 to 120.70): VN057292.D (-3393) (-)

1000000

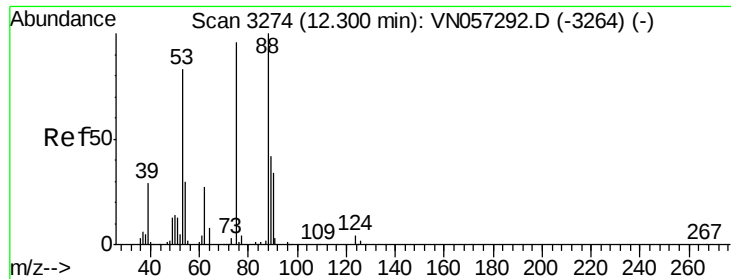
500000

0

12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 48.036 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

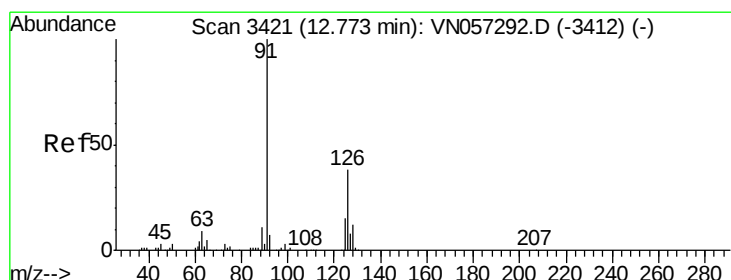
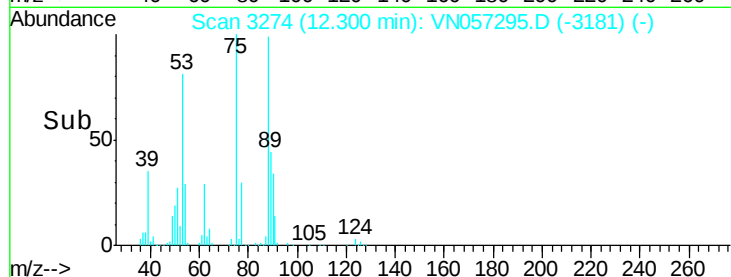
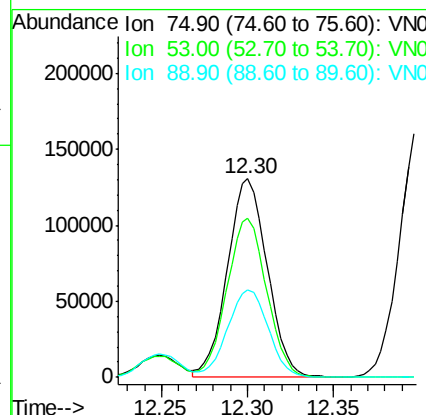
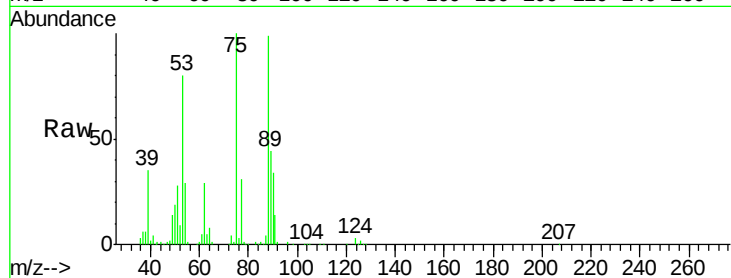
ClientSampleId :

ICVVN081519

Tot Ion:	75	Resp:	210109
Ion	Ratio	Lower	Upper
75	100		
53	81.1	67.9	101.9
89	45.2	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.375 ug/l

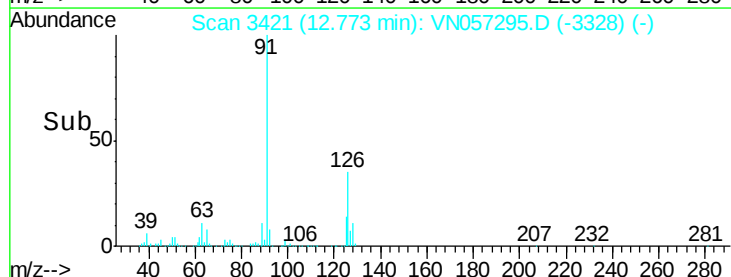
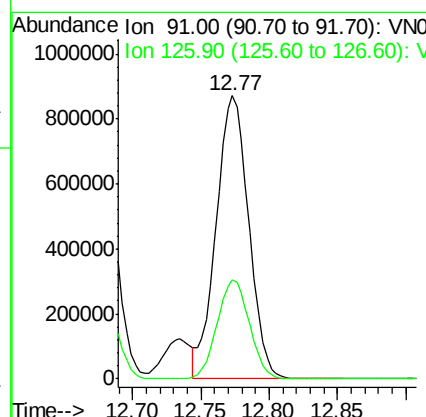
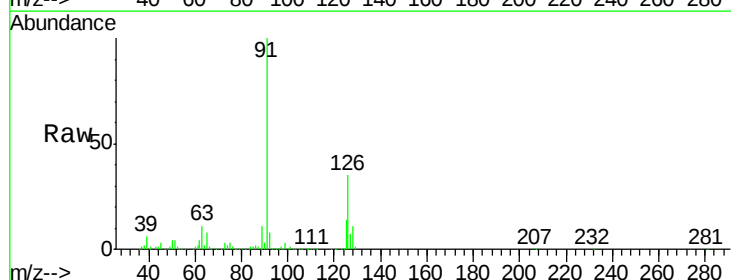
RT: 12.77 min Scan# 3421

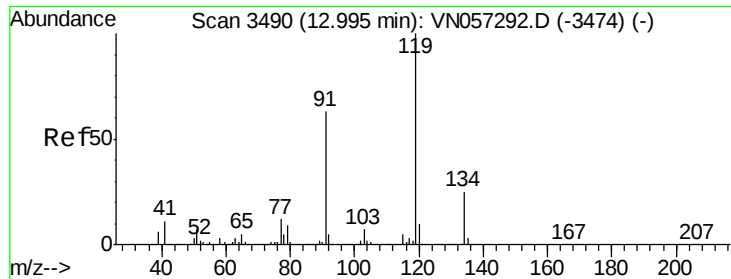
Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Tgt Ion:	91	Resp:	1441861
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	51.7





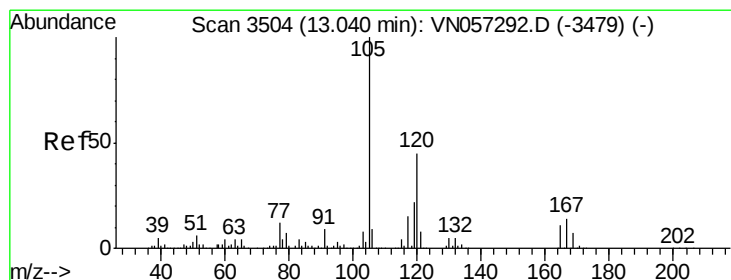
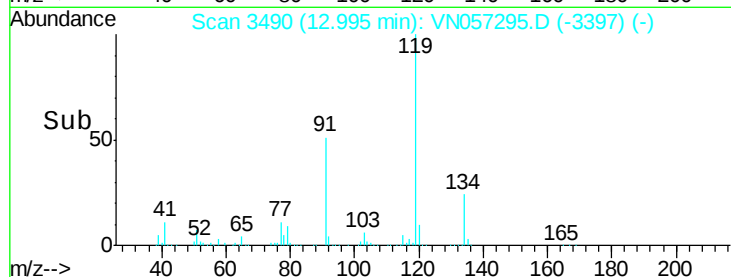
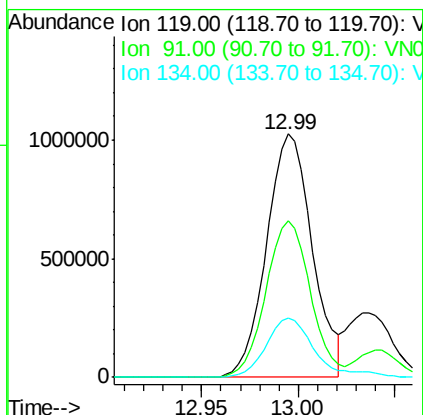
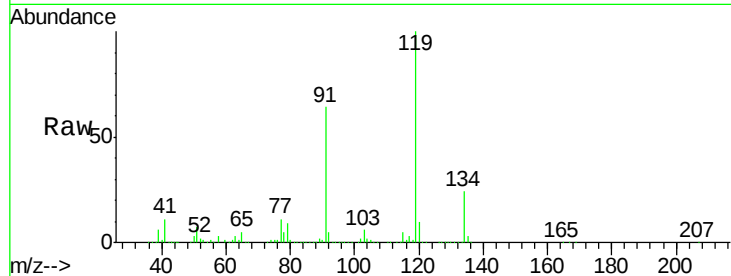
#83
 tert-Butylbenzene
 Concen: 53.815 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081519

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.3	93.8
134	25.9	13.1	39.1

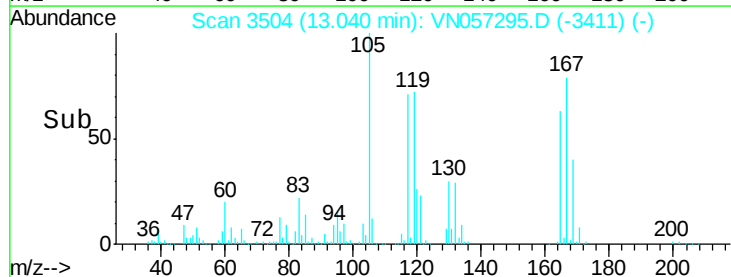
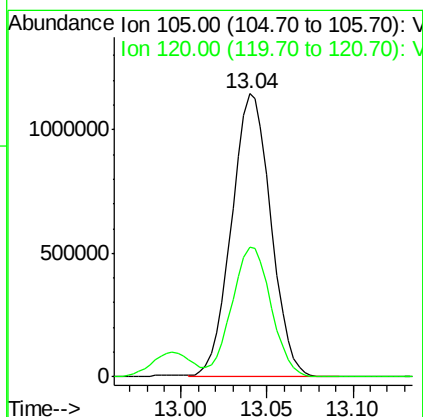
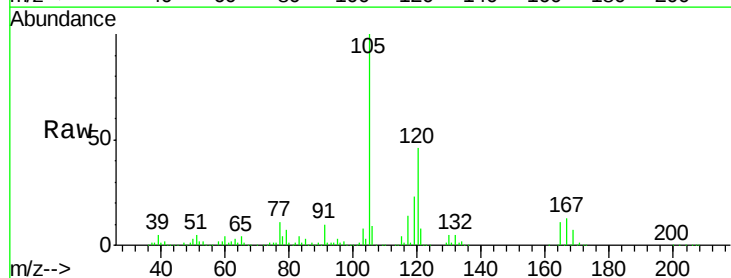
Manual Integrations
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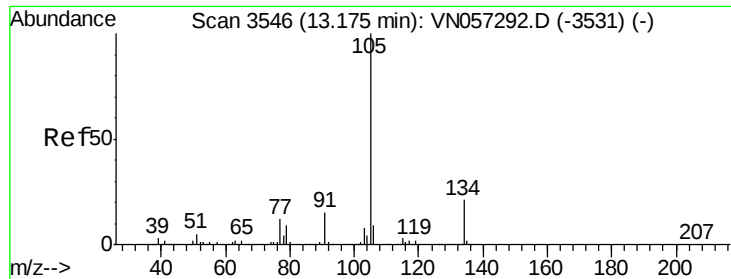
MMDadoda
 8/19/2019 1:53:21 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.178 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.6	67.7





#85

sec-Butylbenzene

Concen: 52.716 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

ClientSampled :

ICVVN081519

Tot Ion:105 Resp: 2123712

Ion Ratio Lower Upper

105 100

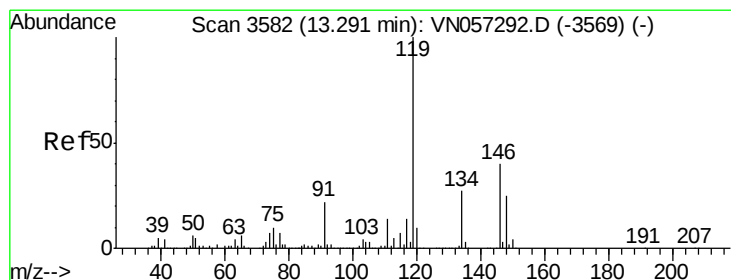
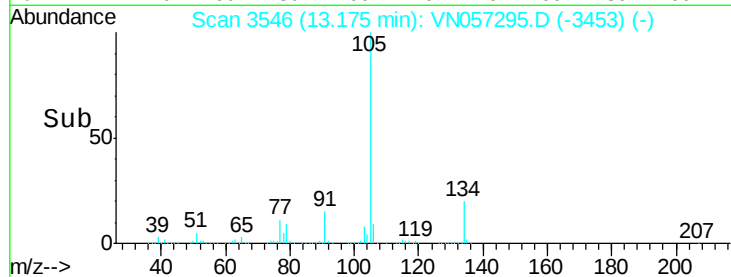
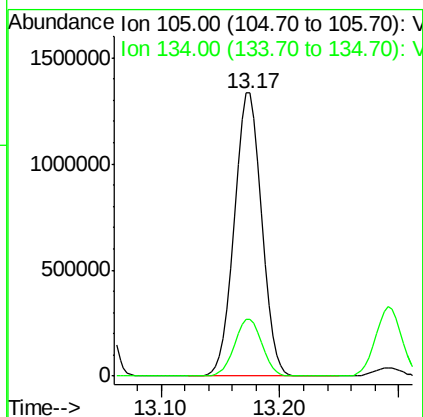
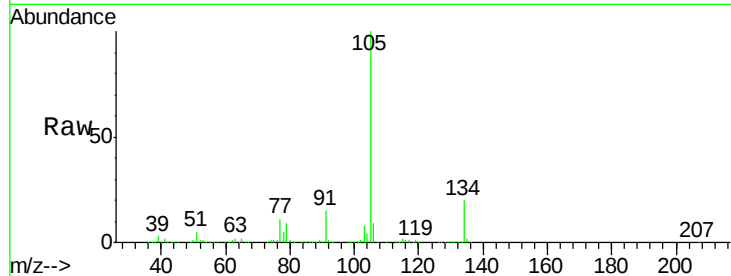
134 20.3 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.455 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

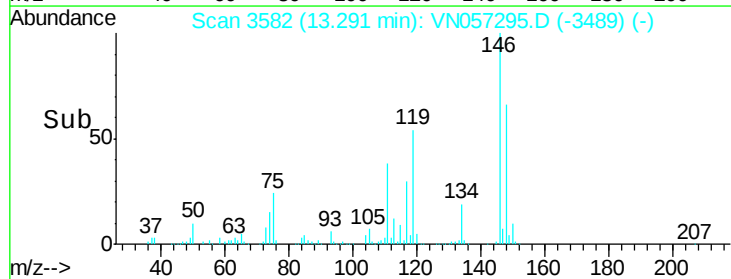
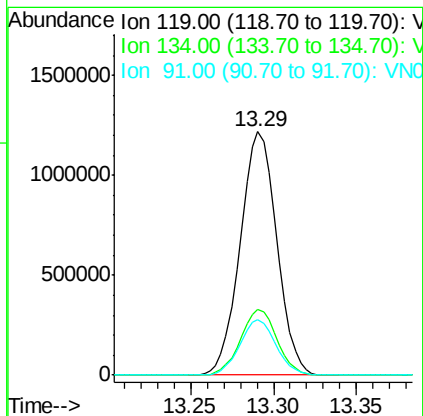
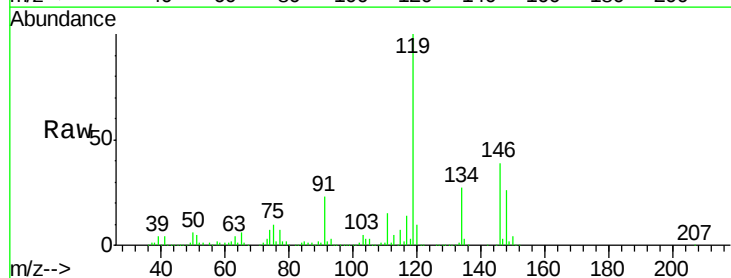
Tgt Ion:119 Resp: 1866442

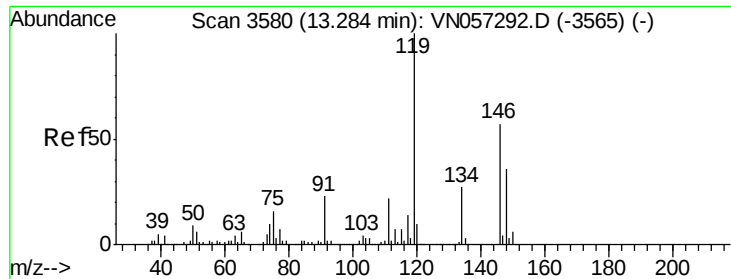
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 50.101 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Instrument :

MSVOA_N

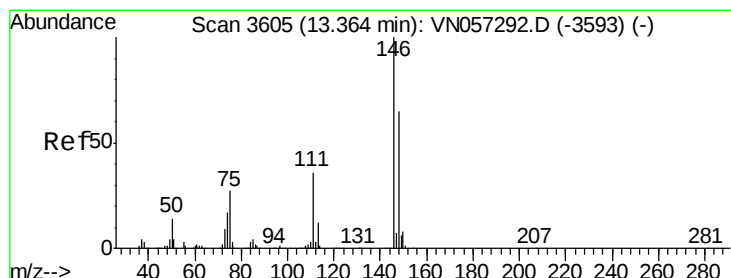
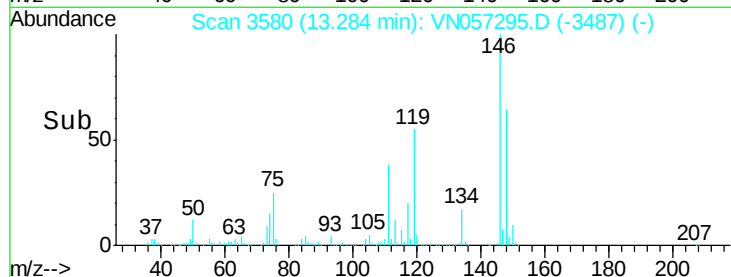
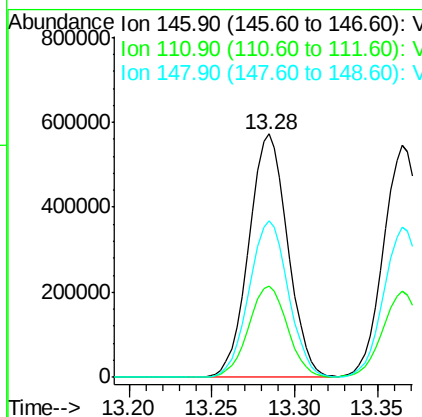
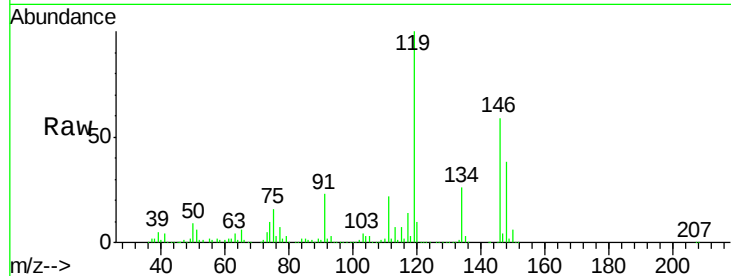
ClientSampleId :

ICVVN081519

Tot Ion:	146	Resp:	936235
Ion Ratio		Lower	Upper
146	100		
111	37.5	18.7	56.1
148	65.1	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.958 ug/l

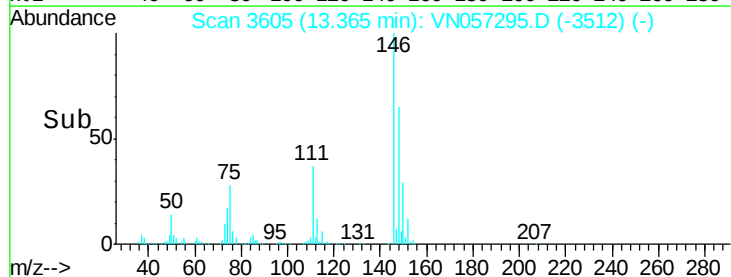
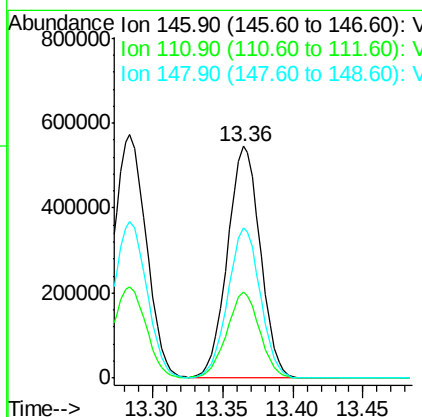
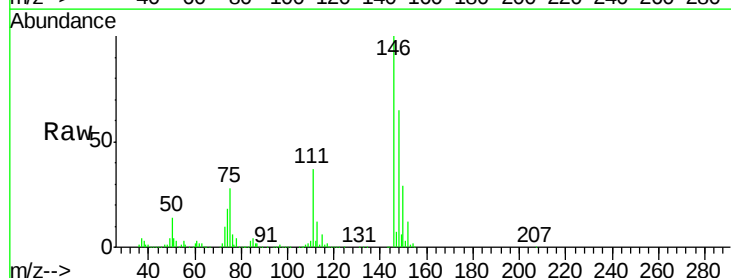
RT: 13.36 min Scan# 3605

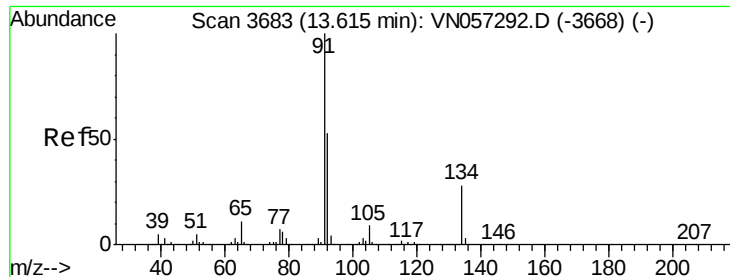
Delta R.T. 0.00 min

Lab File: VN057295.D

Acq: 14 Aug 2019 18:40

Tgt Ion:	146	Resp:	886201
Ion Ratio		Lower	Upper
146	100		
111	37.0	18.4	55.4
148	64.5	32.5	97.4





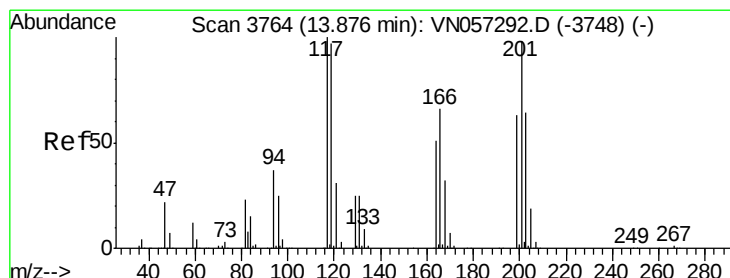
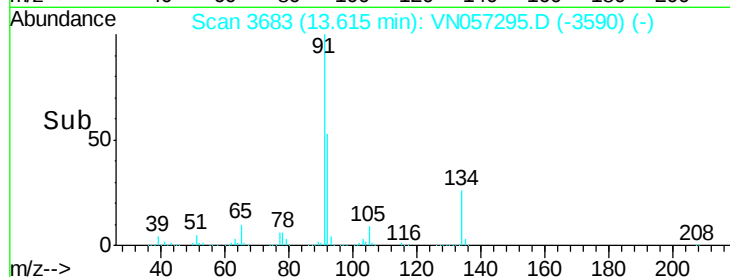
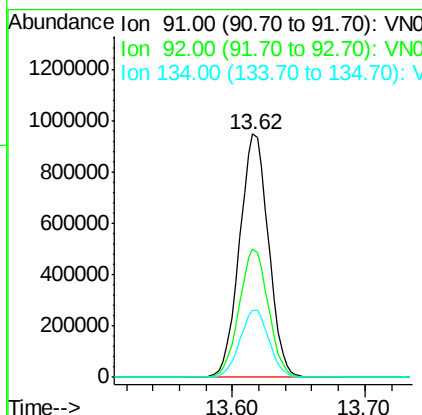
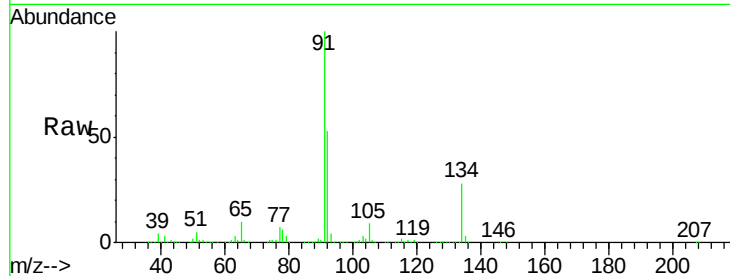
#89
n-Butylbenzene
Concen: 51.209 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion: 91 Resp: 1435838
Ion Ratio Lower Upper
91 100
92 52.9 26.2 78.6
134 27.8 13.9 41.7

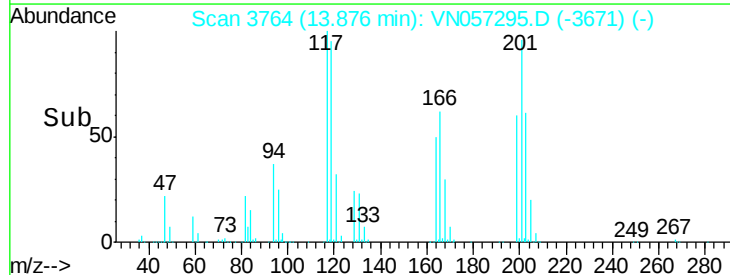
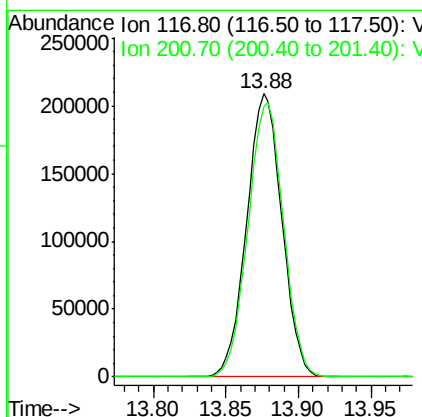
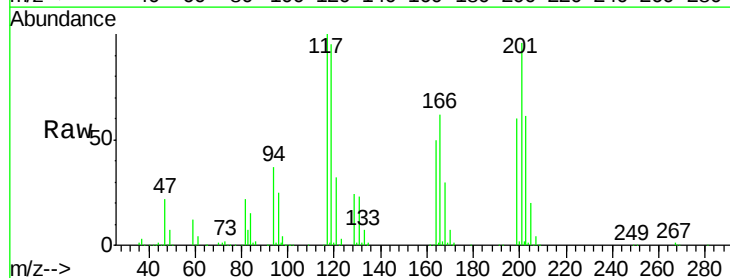
Manual Integrations
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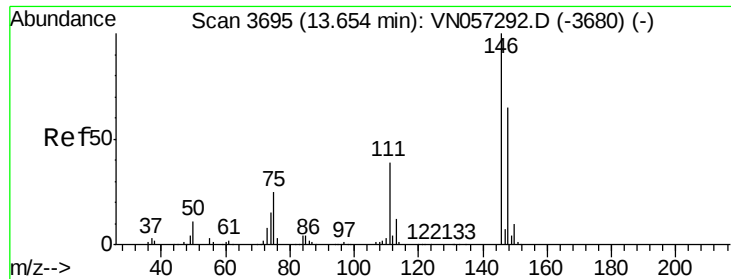
MMdadoda
8/19/2019 1:53:21 AM



#90
Hexachloroethane
Concen: 53.026 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion: 117 Resp: 353759
Ion Ratio Lower Upper
117 100
201 97.7 48.4 145.0





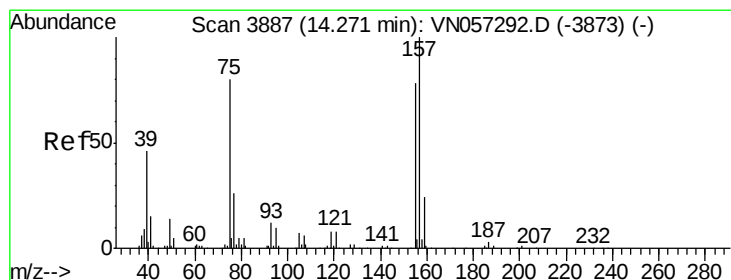
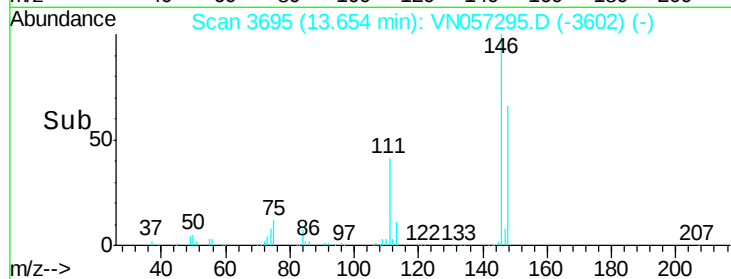
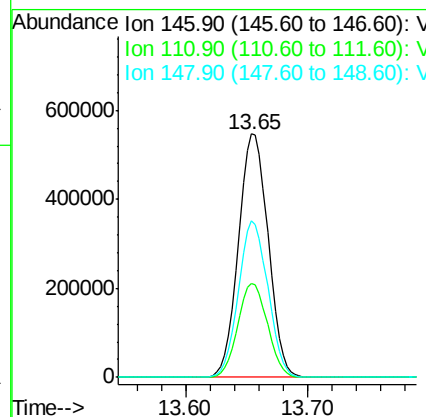
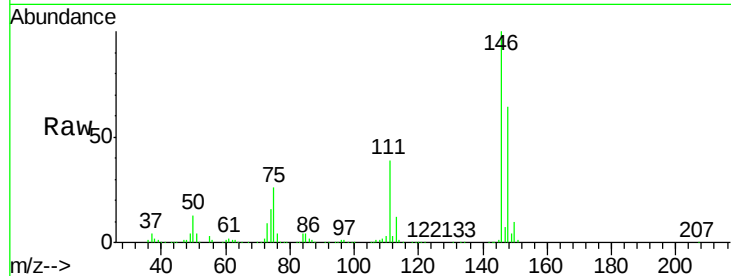
#91
 1,2-Dichlorobenzene
 Concen: 52.869 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081519

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	63.8	32.0	96.0

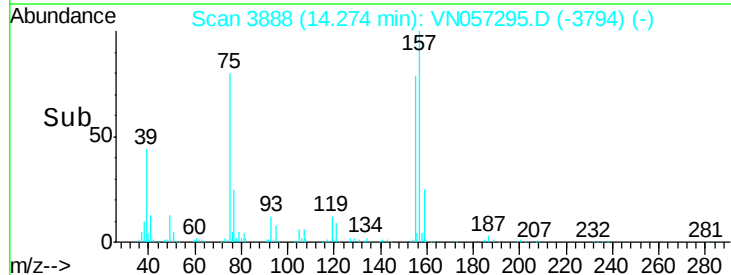
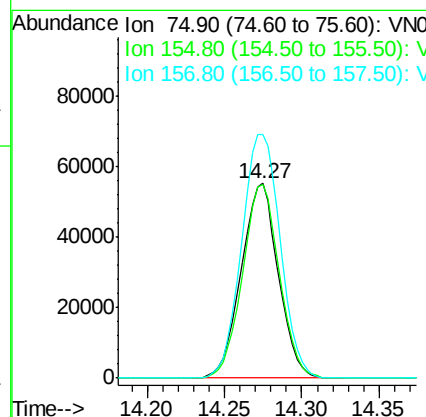
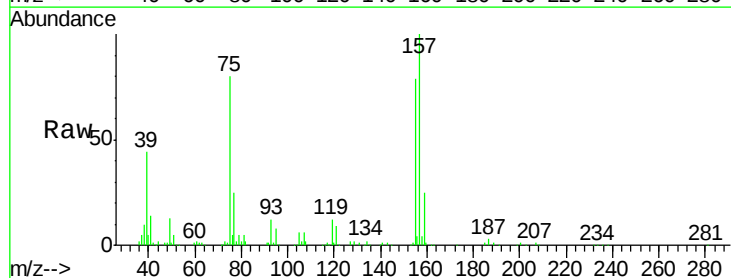
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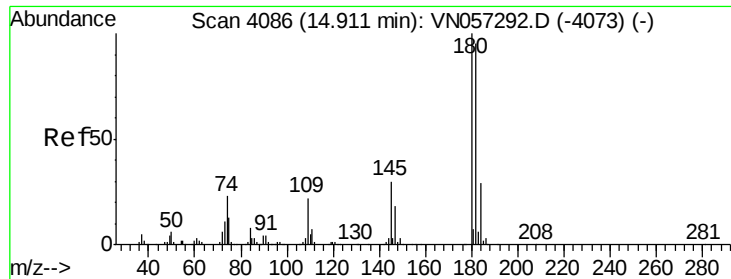
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.362 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	49.6	148.8
157	130.4	63.7	191.1





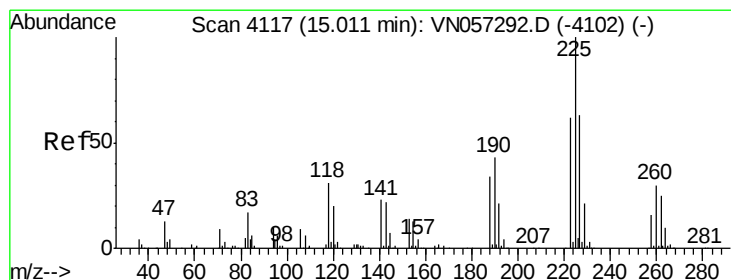
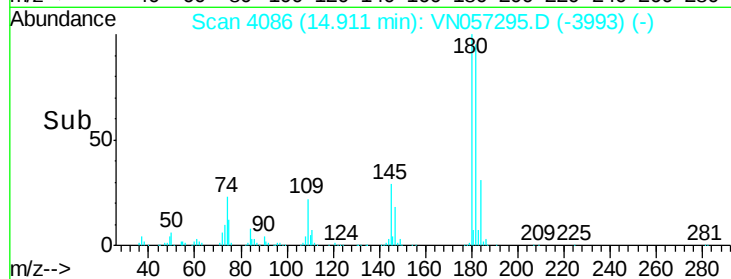
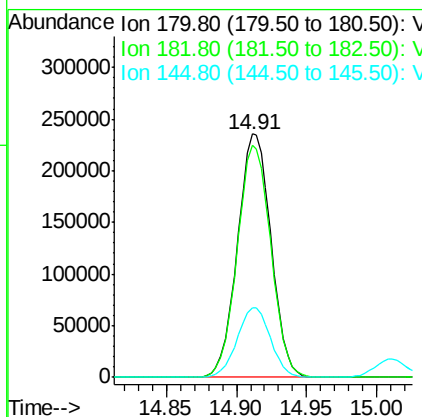
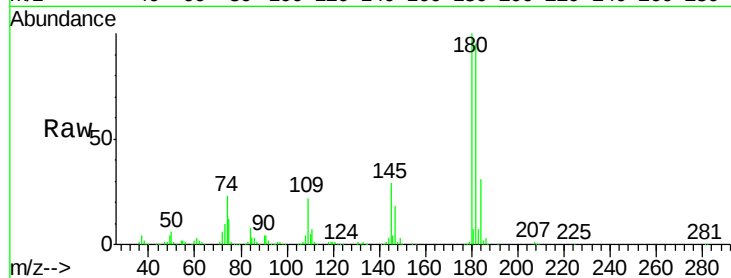
#93
 1,2,4-Trichlorobenzene
 Concen: 55.589 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081519

Tot Ion	Ratio	Resp	Lower	Upper
180	100	391923		
182	95.4	48.0	144.2	
145	28.5	14.5	43.6	

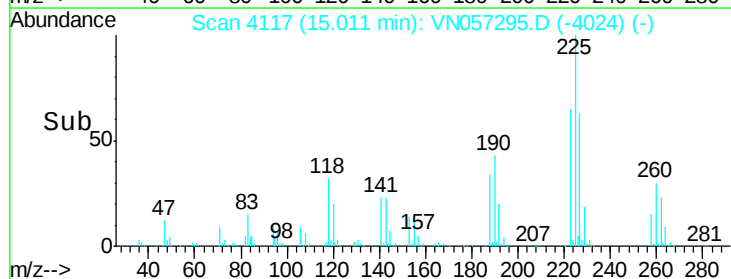
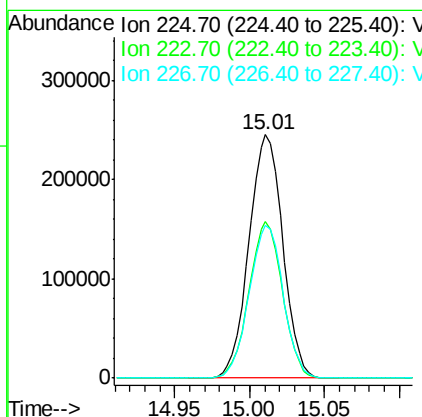
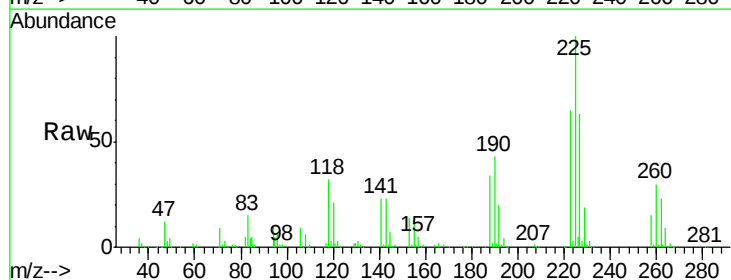
Manual Integrations
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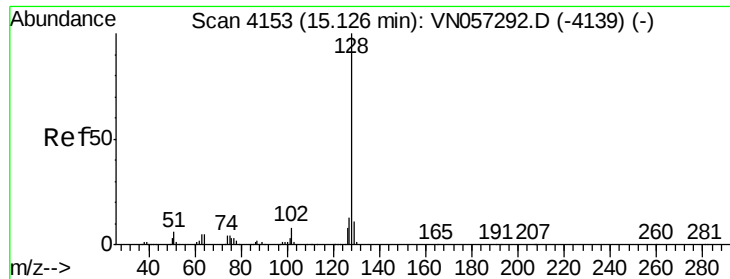
MMdadoda
 8/19/2019 1:53:21 AM



#94
 Hexachlorobutadiene
 Concen: 58.660 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057295.D
 Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	386550		
223	63.5	30.7	92.1	
227	63.0	30.9	92.7	





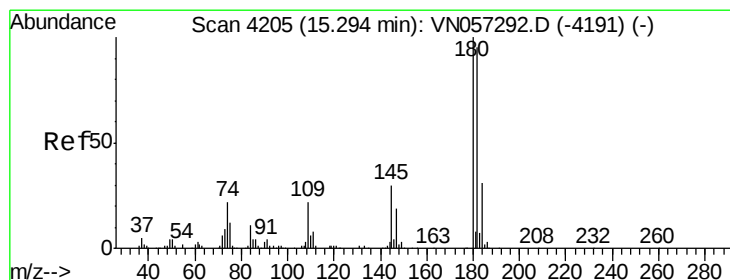
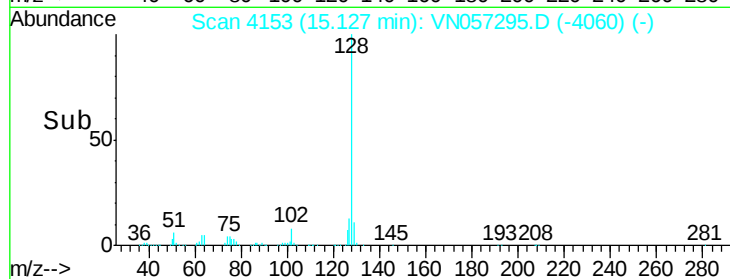
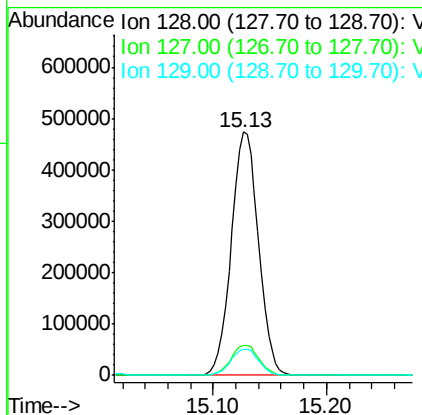
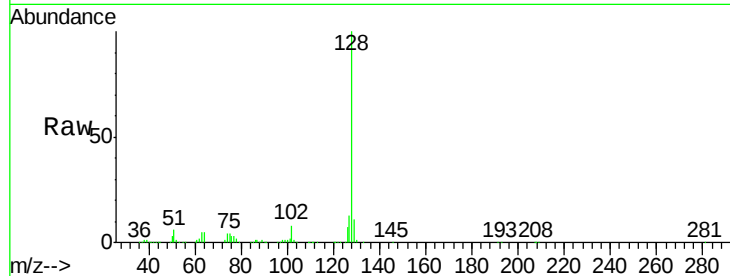
#95
Naphthalene
Concen: 65.923 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081519

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMdadoda
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#96
1,2,3-Trichlorobenzene
Concen: 68.700 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057295.D
Acq: 14 Aug 2019 18:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.6
145	29.9	15.1	45.3

