

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059297.D
 Acq On : 19 Nov 2019 10:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:37:39 PM

Quant Time: Nov 20 06:32:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	428864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	669568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	598419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	215319	40.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.68%	
35) Dibromofluoromethane	7.57	113	179890	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	
50) Toluene-d8	10.08	98	666407	42.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.64%	
62) 4-Bromofluorobenzene	12.40	95	251910	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	269632	62.401	ug/l	99
3) Chloromethane	2.04	50	296778	50.527	ug/l	99
4) Vinyl Chloride	2.17	62	322586	56.647	ug/l	99
5) Bromomethane	2.54	94	167976	51.258	ug/l	98
6) Chloroethane	2.68	64	160081	47.521	ug/l	98
7) Trichlorofluoromethane	3.00	101	316978	46.536	ug/l	98
8) Diethyl Ether	3.38	74	136258	49.232	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	203772	49.617	ug/l	99
10) Methyl Iodide	3.92	142	248780	48.939	ug/l	98
11) Tert butyl alcohol	4.75	59	228805	227.735	ug/l	99
12) 1,1-Dichloroethene	3.71	96	201836	50.451	ug/l	96
13) Acrolein	3.58	56	65495	126.438	ug/l	100
14) Allyl chloride	4.29	41	377391	45.923	ug/l	98
15) Acrylonitrile	4.95	53	574002	229.569	ug/l	99
16) Acetone	3.79	43	735756	268.381	ug/l	97
17) Carbon Disulfide	4.02	76	643577	51.822	ug/l	99
18) Methyl Acetate	4.29	43	323858	49.770	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	674939	49.002	ug/l	98
20) Methylene Chloride	4.52	84	225364	47.186	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	217065	50.548	ug/l	96
22) Diisopropyl ether	5.92	45	727901	46.894	ug/l	99
23) Vinyl Acetate	5.86	43	2906590	241.611	ug/l	99
24) 1,1-Dichloroethane	5.82	63	413191	47.660	ug/l	98
25) 2-Butanone	6.81	43	885183	244.994	ug/l	98
26) 2,2-Dichloropropane	6.80	77	351610	46.382	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	243677	48.911	ug/l	98
28) Bromochloromethane	7.17	49	106683	40.901	ug/l	96
29) Tetrahydrofuran	7.18	42	520501	226.724	ug/l	97
30) Chloroform	7.35	83	393492	47.315	ug/l	100
31) Cyclohexane	7.63	56	390281	47.553	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	334718	47.871	ug/l	99
36) 1,1-Dichloropropene	7.77	75	313713	50.126	ug/l	100
37) Ethyl Acetate	6.90	43	317546	45.609	ug/l	99
38) Carbon Tetrachloride	7.75	117	297914	47.825	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	383499	52.798	ug/l	98
40) Benzene	8.02	78	920130	48.822	ug/l	99
41) Methacrylonitrile	7.15	41	141179m	46.631	ug/l	
42) 1,2-Dichloroethane	8.10	62	304511	47.110	ug/l	100
43) Isopropyl Acetate	8.14	43	500128	45.057	ug/l	98
44) Trichloroethene	8.82	130	229864	49.617	ug/l	98
45) 1,2-Dichloropropane	9.10	63	246086	48.073	ug/l	100
46) Dibromomethane	9.19	93	150710	47.246	ug/l	99
47) Bromodichloromethane	9.39	83	305420	47.948	ug/l	98
48) Methyl methacrylate	9.18	41	227478	45.817	ug/l	96
49) 1,4-Dioxane	9.18	88	88107	998.561	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	1529135	243.471	ug/l	99
52) Toluene	10.15	92	559937	49.569	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	352827	47.944	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	390128	49.283	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	214658	46.954	ug/l	99
56) Ethyl methacrylate	10.42	69	341343	44.963	ug/l	96
57) 1,3-Dichloropropane	10.70	76	378014	48.043	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	291781	114.684	ug/l	100
59) 2-Hexanone	10.74	43	1206722	250.325	ug/l	98
60) Dibromochloromethane	10.90	129	234995	48.618	ug/l	100
61) 1,2-Dibromoethane	11.00	107	225447	48.714	ug/l	100
64) Tetrachloroethene	10.63	164	201125	49.427	ug/l	98
65) Chlorobenzene	11.43	112	581564	49.853	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	213789	48.855	ug/l	98
67) Ethyl Benzene	11.51	91	1069875	51.692	ug/l	99
68) m/p-Xylenes	11.62	106	807124	104.105	ug/l	98
69) o-Xylene	11.95	106	381652	50.938	ug/l	98
70) Styrene	11.96	104	627842	53.281	ug/l	99
71) Bromoform	12.13	173	165718	48.686	ug/l #	100
73) Isopropylbenzene	12.25	105	1026511	48.495	ug/l	100
74) N-amyl acetate	12.07	43	413864	46.142	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	324269	44.985	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	286628m	43.264	ug/l	
77) Bromobenzene	12.53	156	244829	46.037	ug/l	98
78) n-propylbenzene	12.59	91	1202631	49.621	ug/l	99
79) 2-Chlorotoluene	12.67	91	707995	47.089	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	869704	48.489	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	113943	45.427	ug/l	99
82) 4-Chlorotoluene	12.77	91	734741	48.723	ug/l	100
83) tert-Butylbenzene	12.99	119	740202	47.788	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	878005	50.596	ug/l	99
85) sec-Butylbenzene	13.17	105	1006812	49.980	ug/l	100
86) p-Isopropyltoluene	13.29	119	912986	51.329	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	441298	48.458	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	438362	48.110	ug/l	99
89) n-Butylbenzene	13.62	91	801232	51.467	ug/l	99
90) Hexachloroethane	13.88	117	161084	45.101	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	429816	47.979	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65839	45.783	ug/l	99

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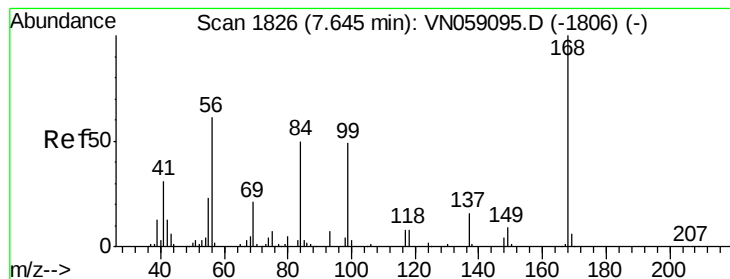
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	262851	48.461	ug/l	99
94) Hexachlorobutadiene	15.01	225	149176	48.294	ug/l	99
95) Naphthalene	15.13	128	698966	46.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	262535	52.293	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 428864

Ion Ratio Lower Upper

168 100

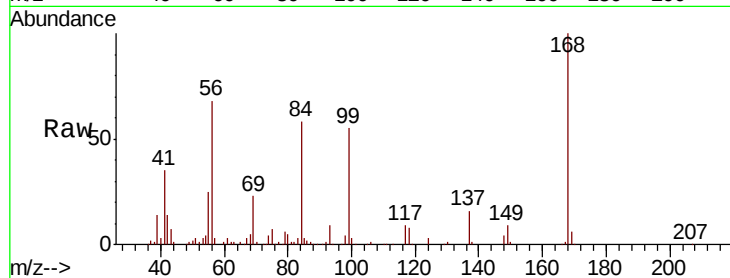
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Manual Integrations

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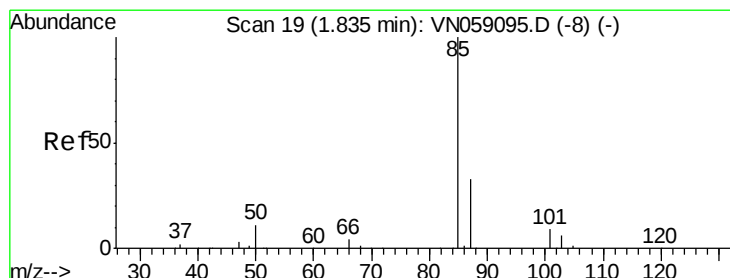
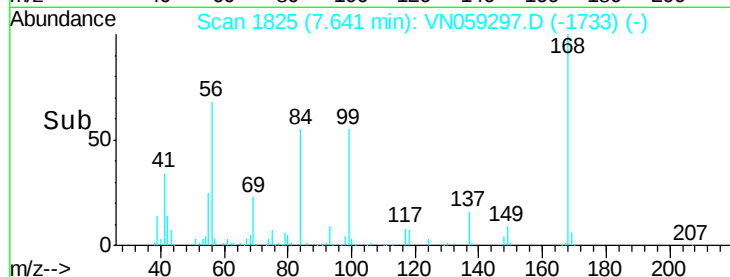
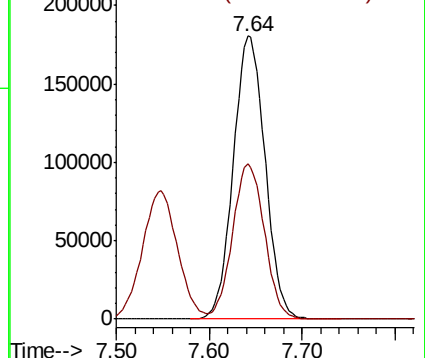
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 62.401 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059297.D

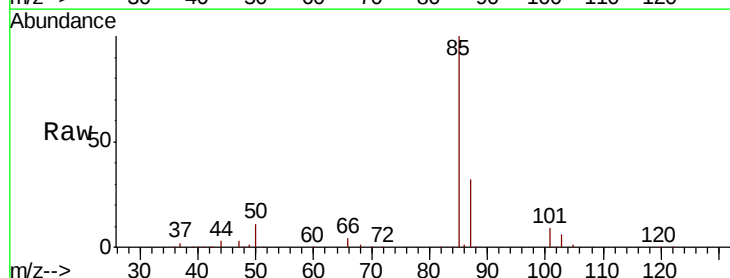
Acq: 19 Nov 2019 10:35

Tgt Ion: 85 Resp: 269632

Ion Ratio Lower Upper

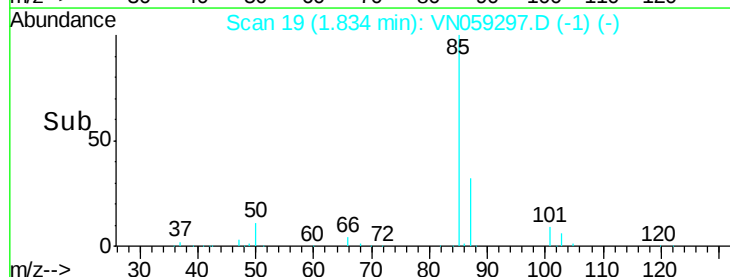
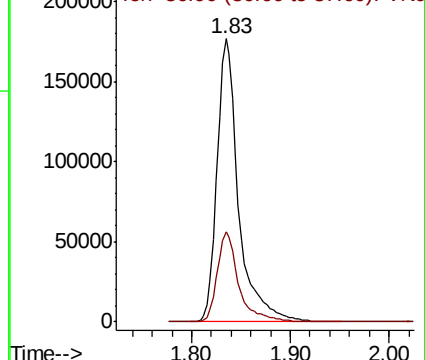
85 100

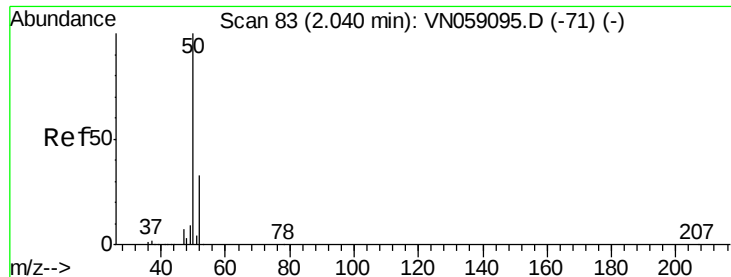
87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.527 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 296778

Ion Ratio Lower Upper

50 100

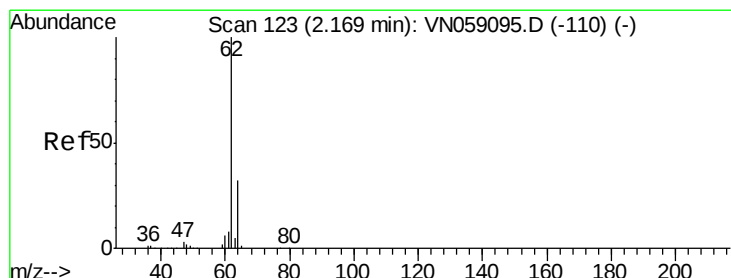
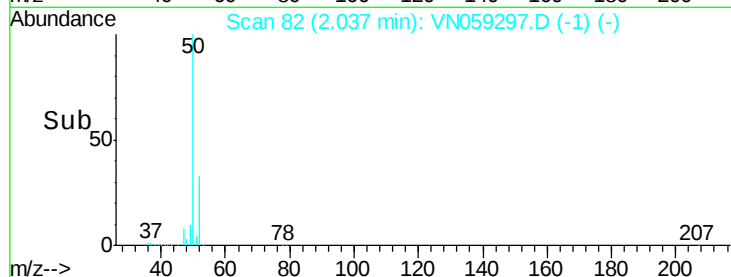
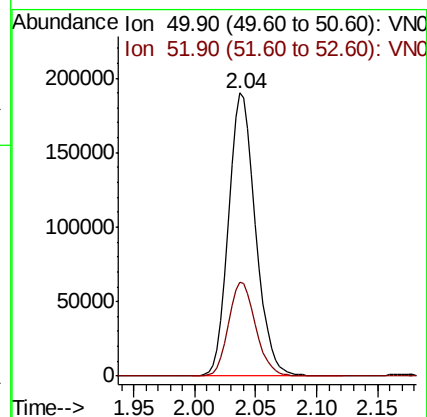
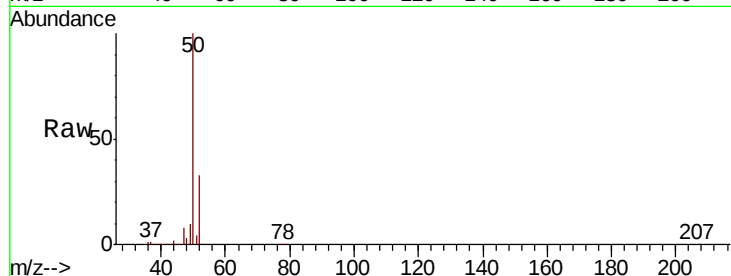
52 33.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 56.647 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059297.D

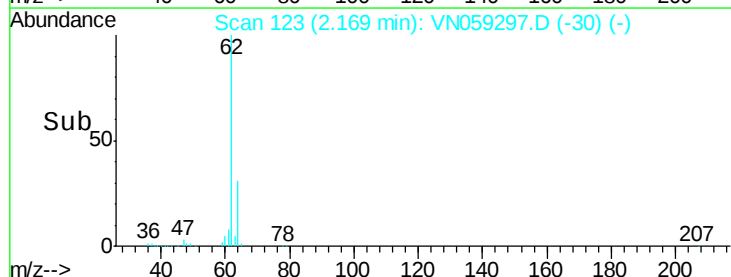
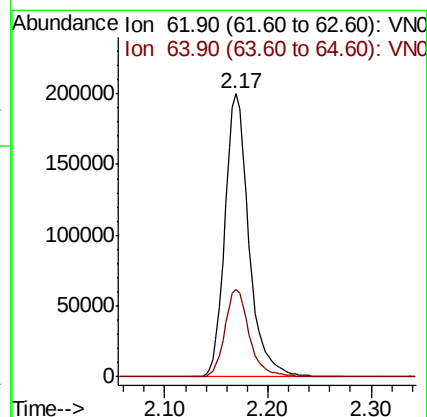
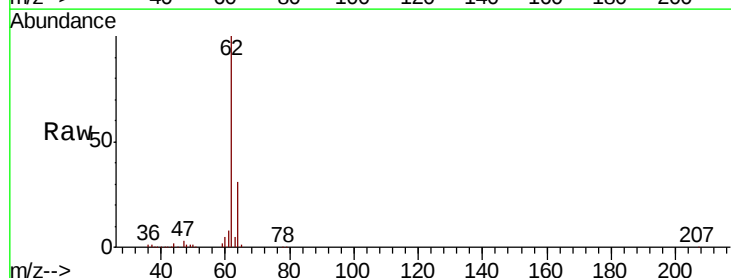
Acq: 19 Nov 2019 10:35

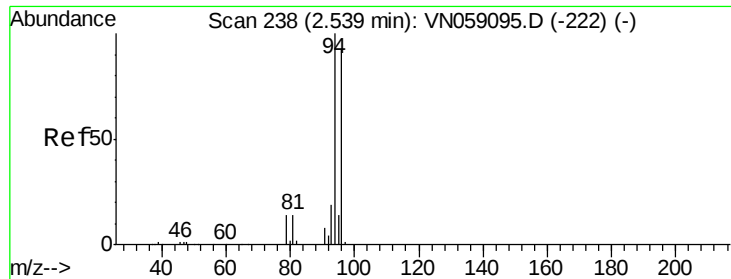
Tgt Ion: 62 Resp: 322586

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 51.258 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

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VSTDCCC050

Tot Ion: 94 Resp: 167976

Ion Ratio Lower Upper

94 100

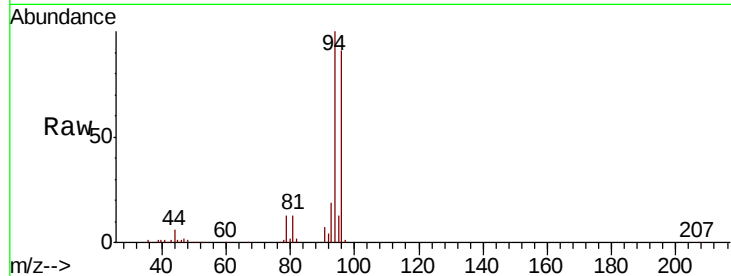
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Manual Integrations

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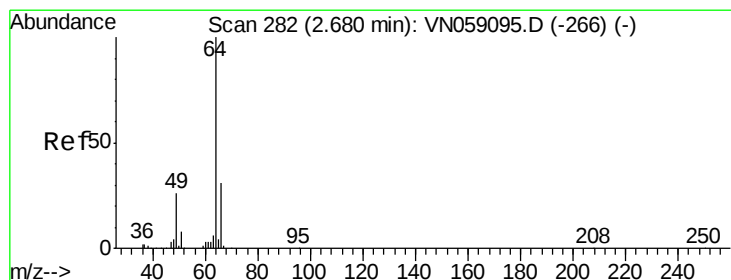
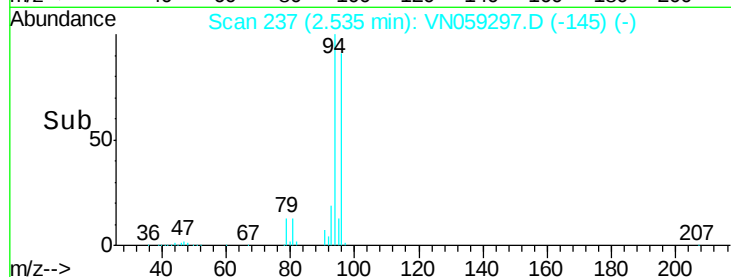
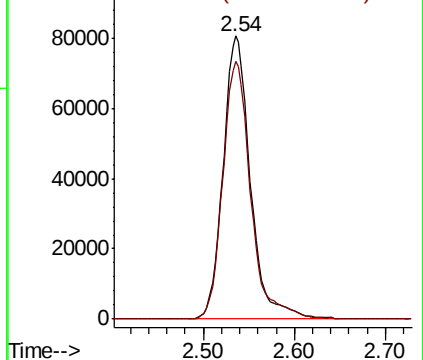
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.521 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059297.D

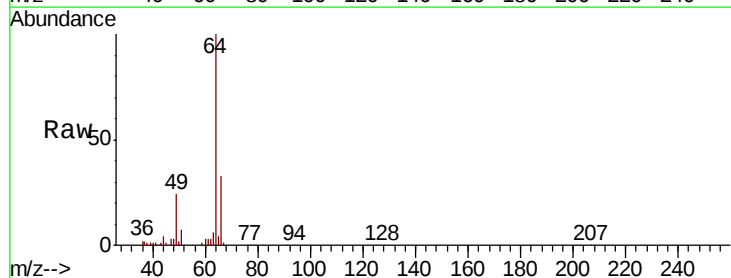
Acq: 19 Nov 2019 10:35

Tgt Ion: 64 Resp: 160081

Ion Ratio Lower Upper

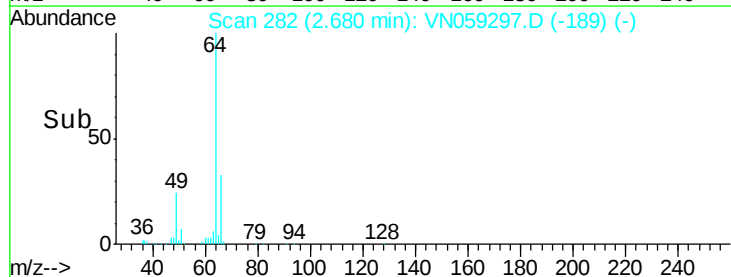
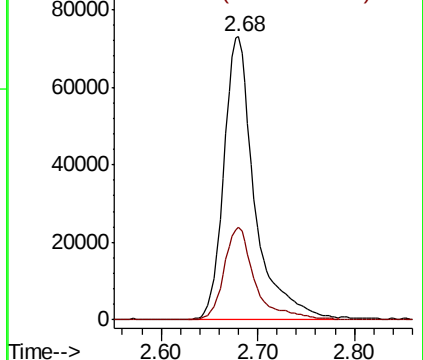
64 100

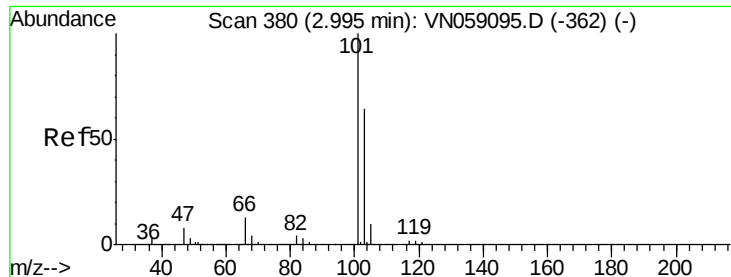
66 32.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

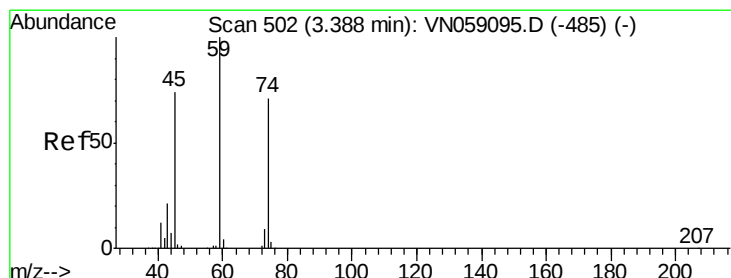
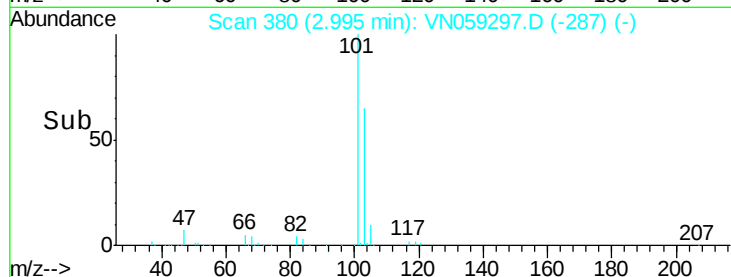
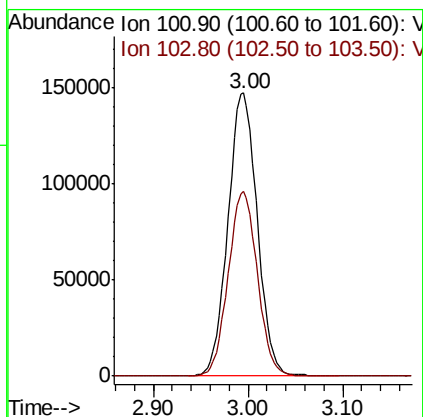
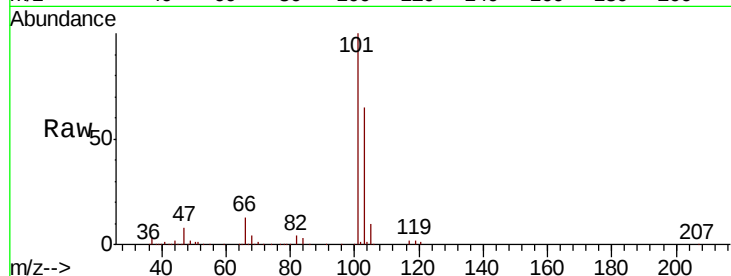
Trichlorofluoromethane
 Concen: 46.536 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.2	76.8

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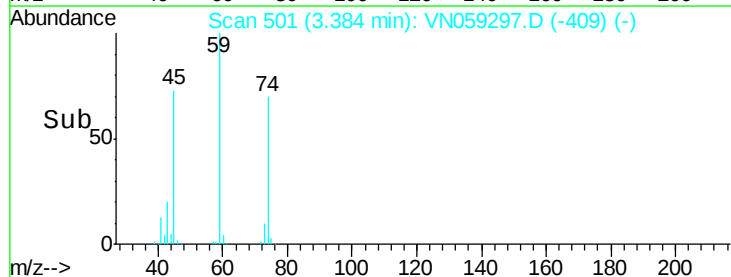
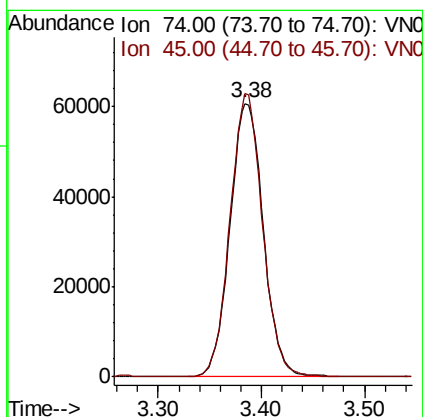
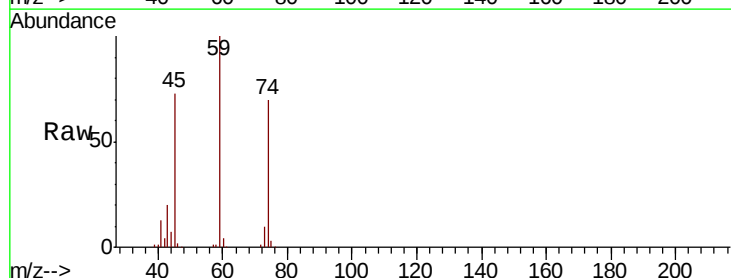
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 11/20/2019 1:37:39 PM

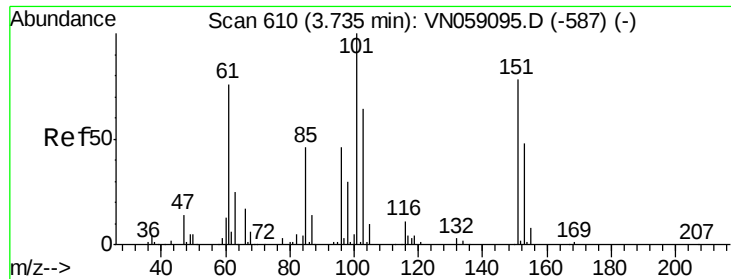


#8

Diethyl Ether
 Concen: 49.232 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059297.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	51.6	154.9





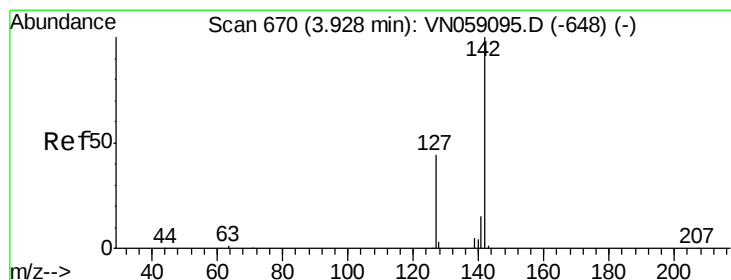
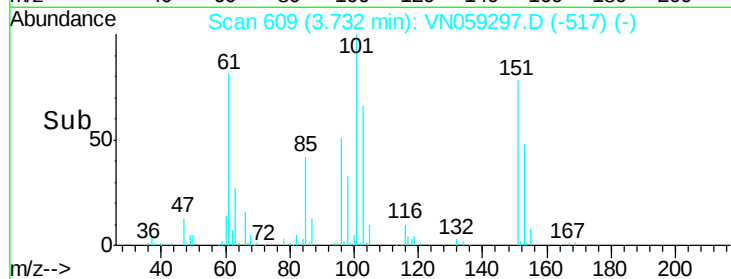
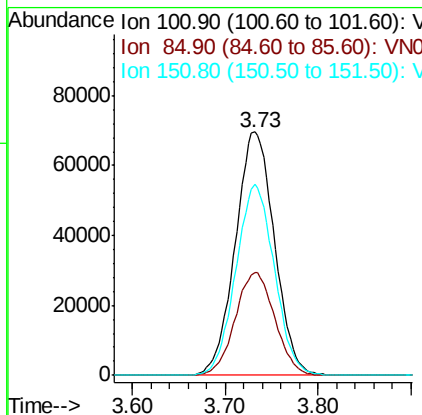
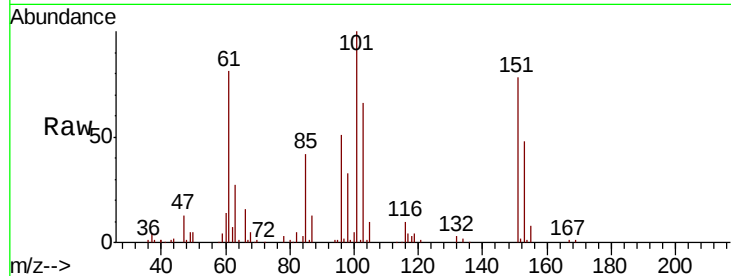
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.617 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	203772		
85	42.6		35.5	53.3
151	77.2		62.2	93.2

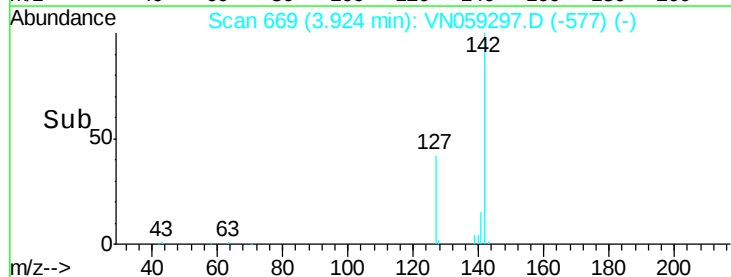
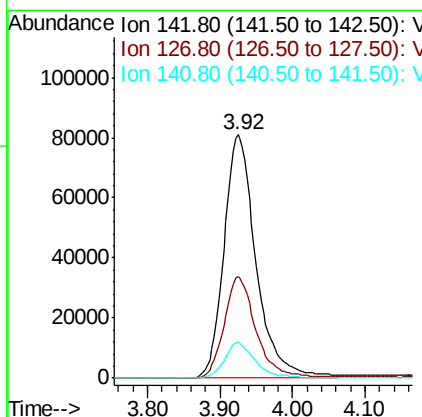
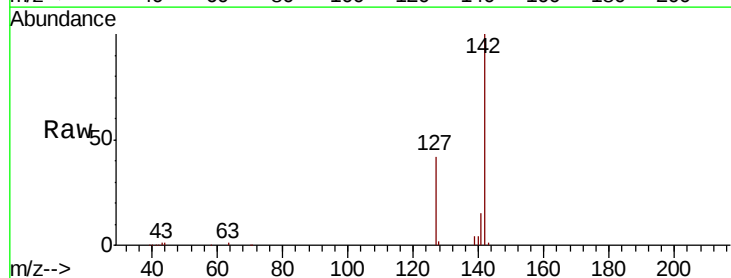
Manual Integrations
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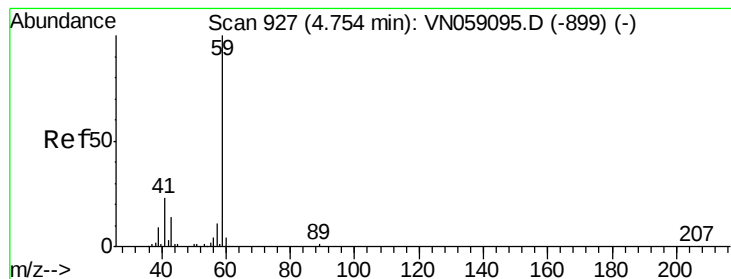
MMDadoda
 11/20/2019 1:37:39 PM



#10
 Methyl Iodide
 Concen: 48.939 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	248780		
127	41.2		34.2	51.2
141	14.0		11.4	17.0





#11

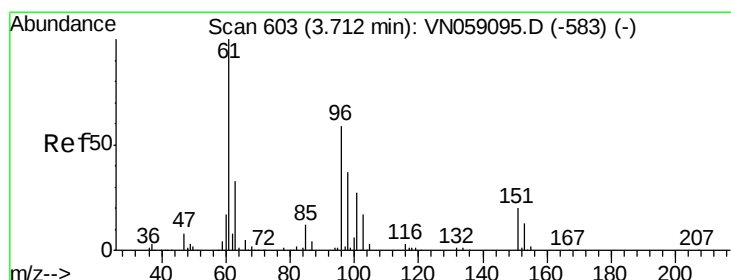
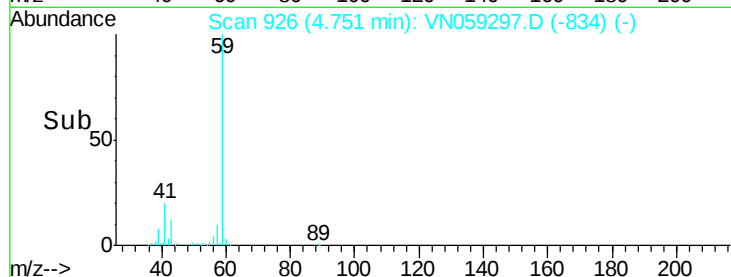
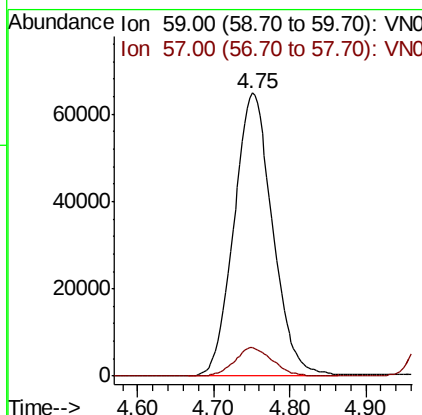
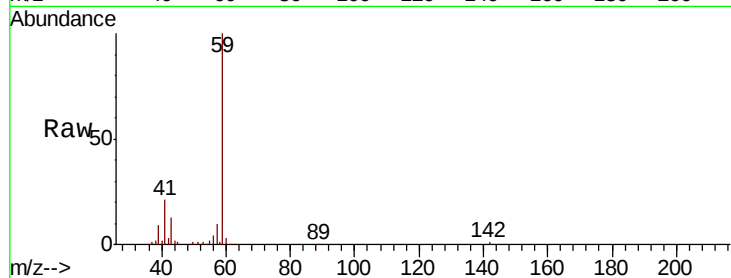
Tert butyl alcohol
Concen: 227.735 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	228805		
57	9.8		8.3	12.5

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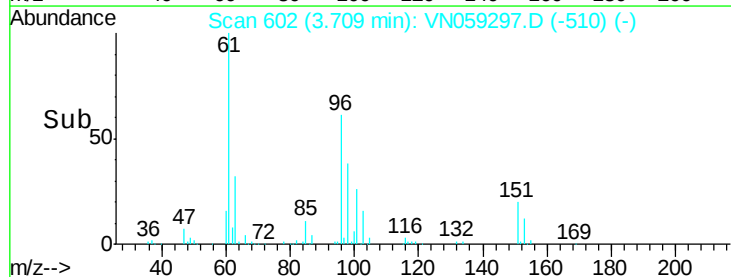
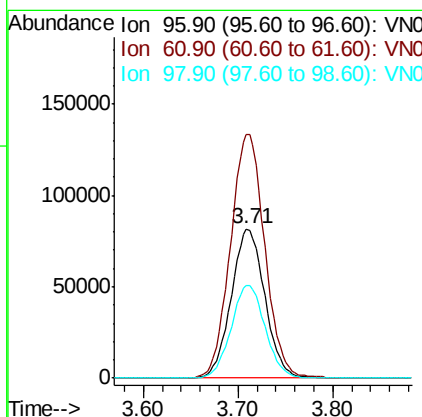
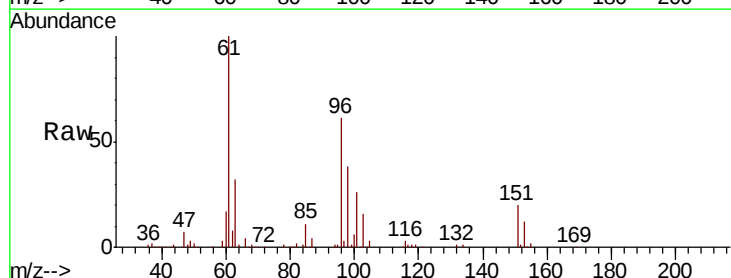
MMDadoda
11/20/2019 1:37:39 PM

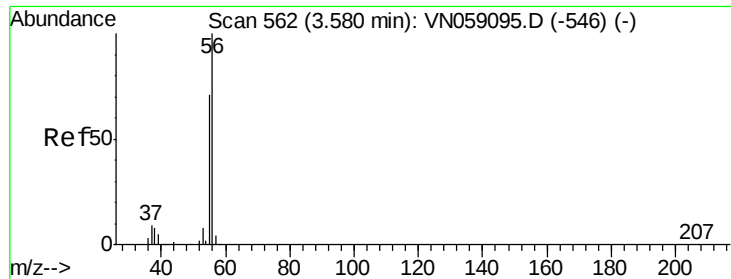


#12

1,1-Dichloroethene
Concen: 50.451 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	201836		
61	163.2		136.5	204.7
98	62.0		50.2	75.4





#13

Acrolein

Concen: 126.438 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 65495

Ion Ratio Lower Upper

56 100

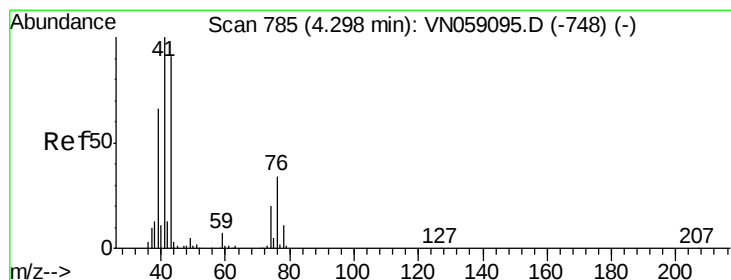
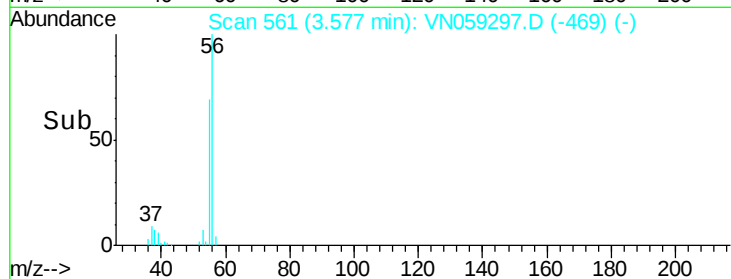
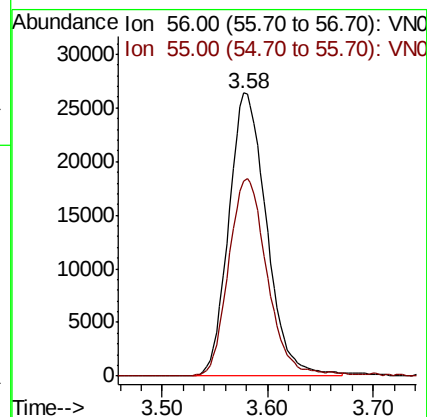
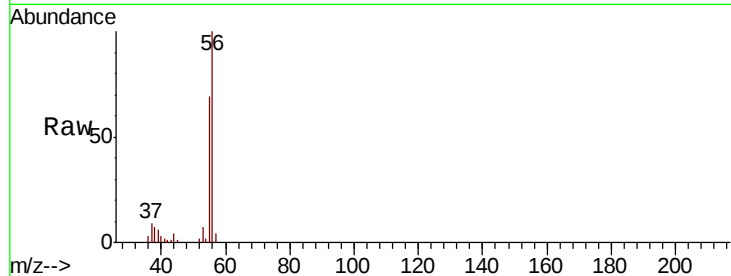
55 70.9 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 45.923 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

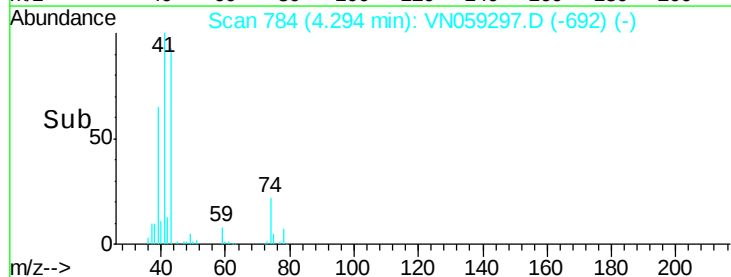
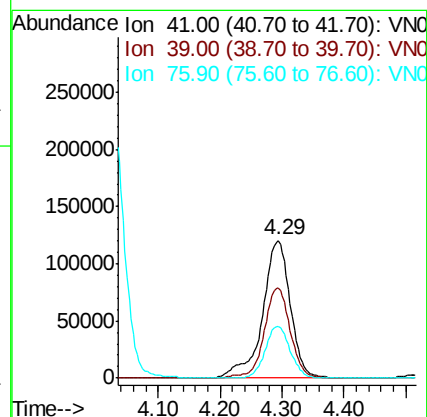
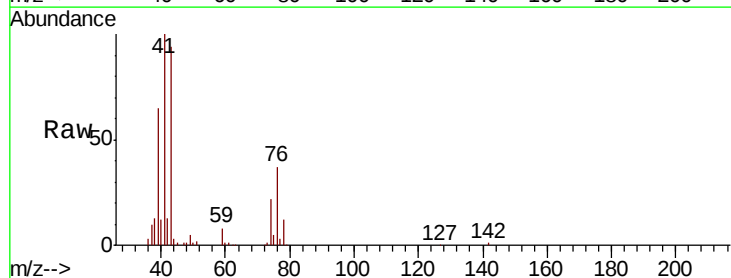
Tgt Ion: 41 Resp: 377391

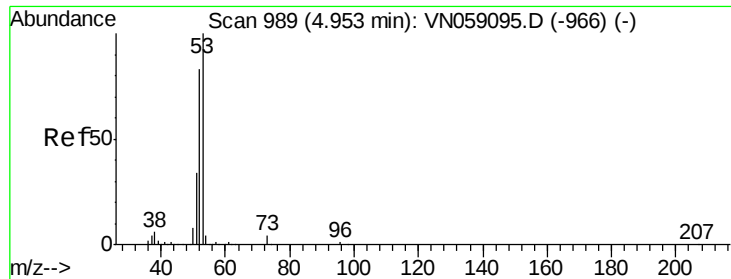
Ion Ratio Lower Upper

41 100

39 60.9 49.1 73.7

76 33.8 24.9 37.3





#15

Acrylonitrile

Concen: 229.569 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

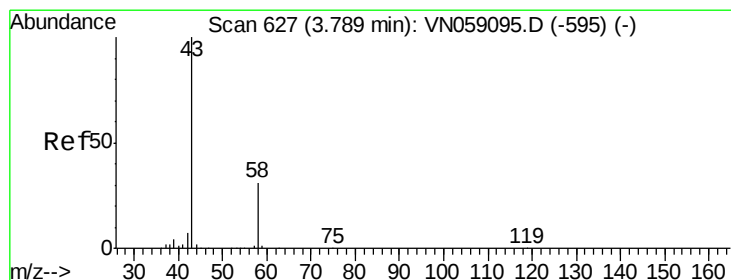
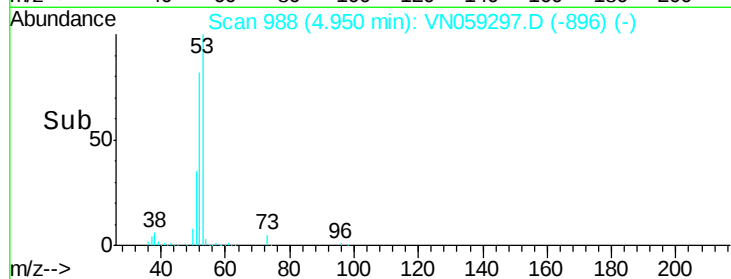
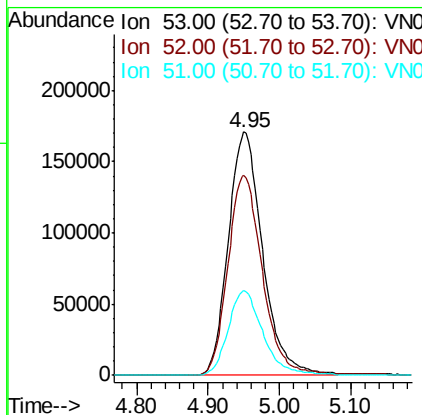
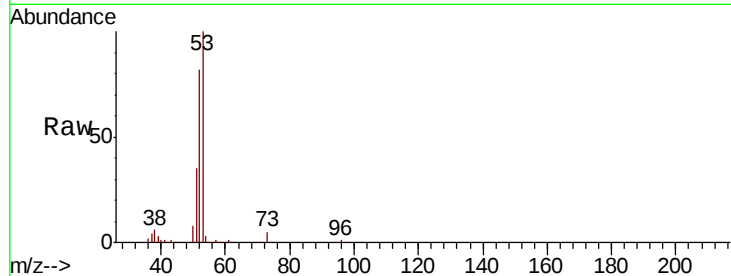
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	574002
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.0	97.6
51	35.4	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 268.381 ug/l

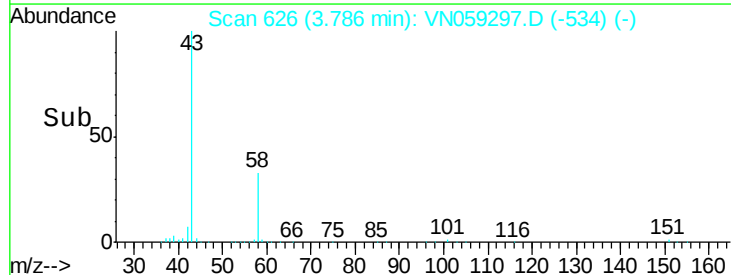
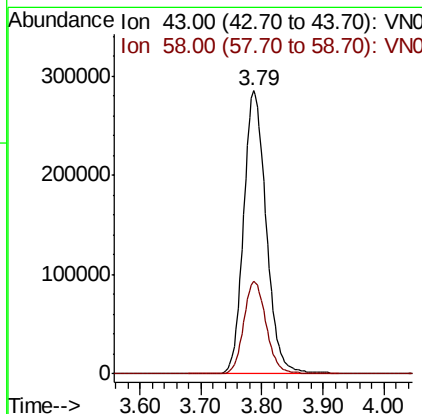
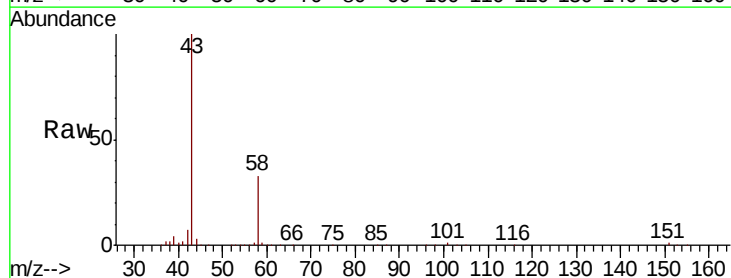
RT: 3.79 min Scan# 626

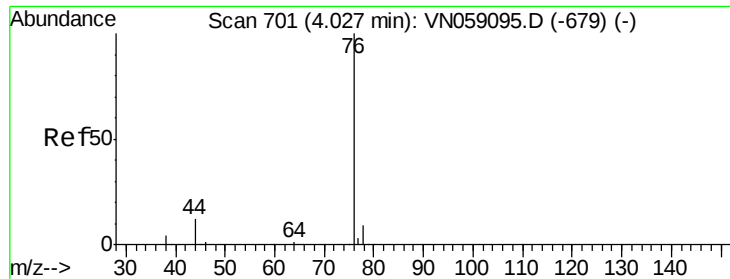
Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion:	43	Resp:	735756
Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.9	37.3





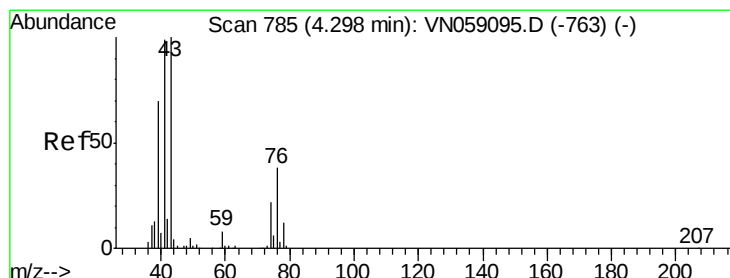
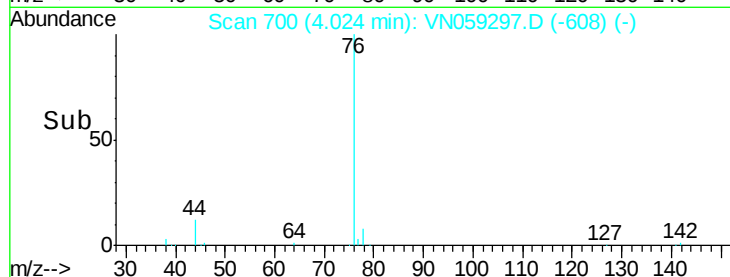
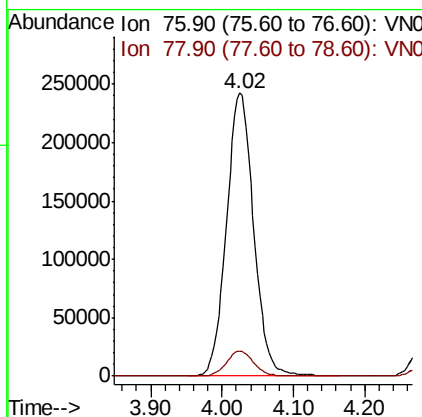
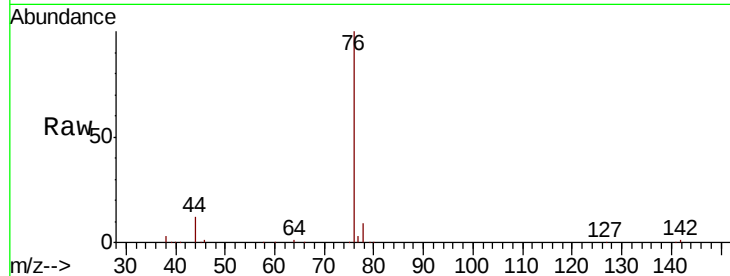
#17
Carbon Disulfide
Concen: 51.822 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

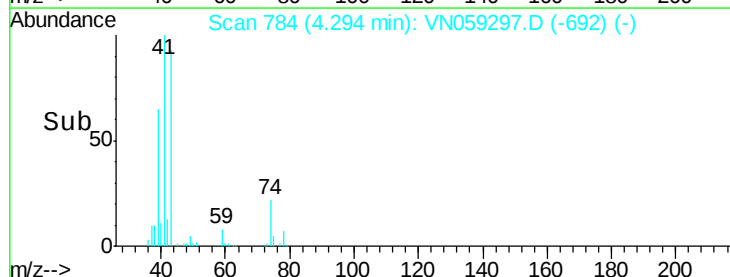
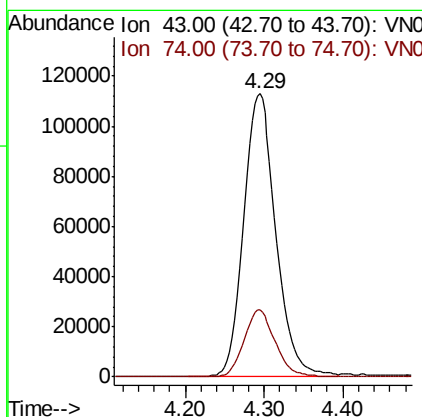
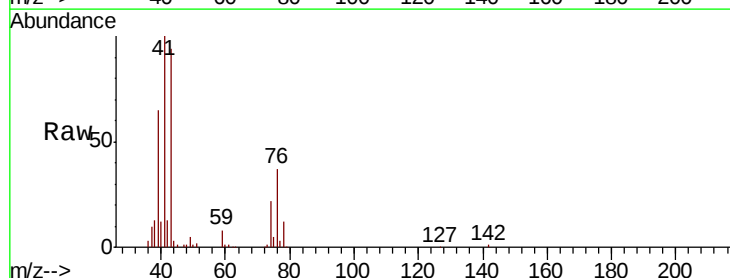
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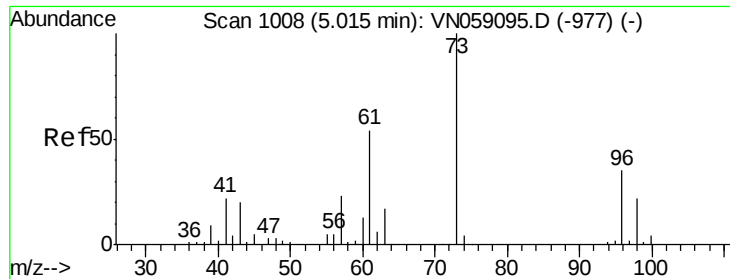
MMDadoda
11/20/2019 1:37:39 PM



#18
Methyl Acetate
Concen: 49.770 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	17.8	26.8





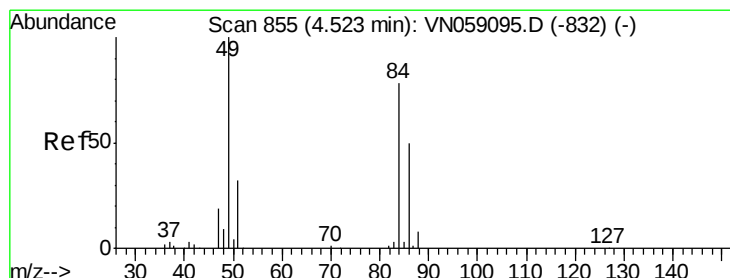
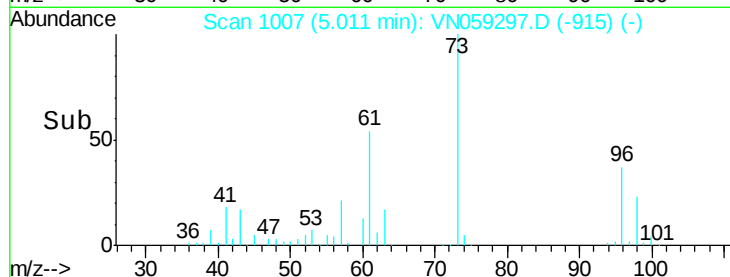
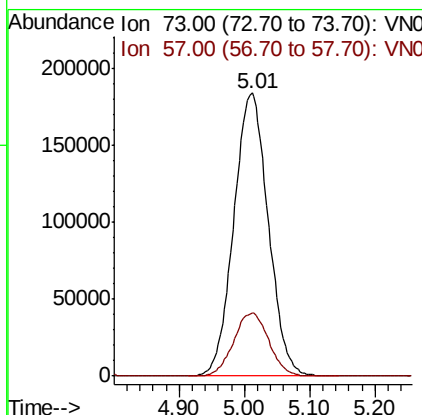
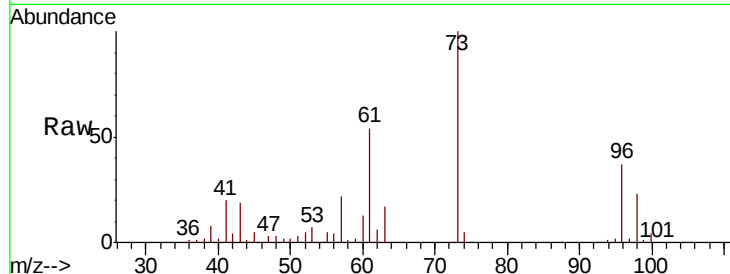
#19
Methvl tert-butvl Ether
Concen: 49.002 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 674939
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6

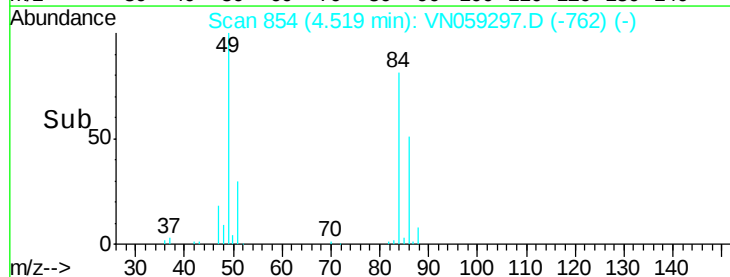
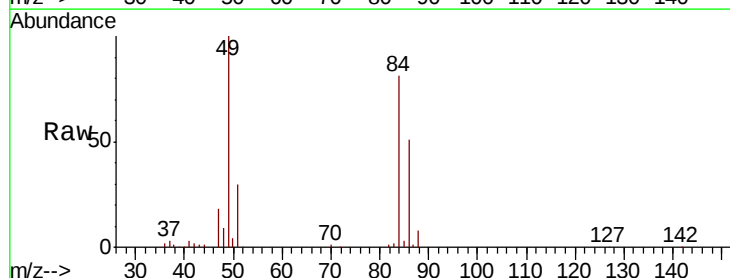
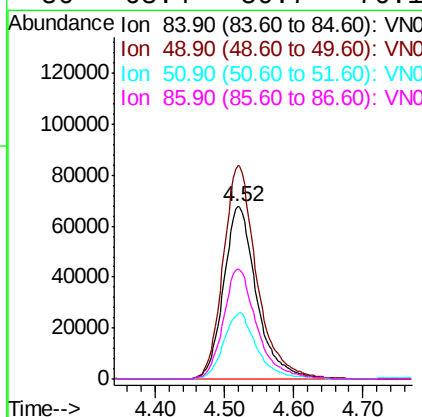
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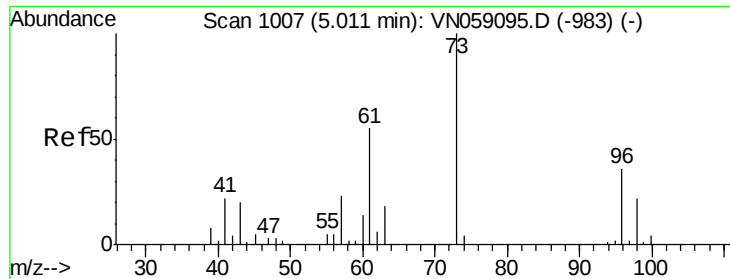
MMDadoda
11/20/2019 1:37:39 PM



#20
Methylene Chloride
Concen: 47.186 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion: 84 Resp: 225364
Ion Ratio Lower Upper
84 100
49 123.4 102.0 153.0
51 37.6 32.2 48.2
86 63.4 50.7 76.1





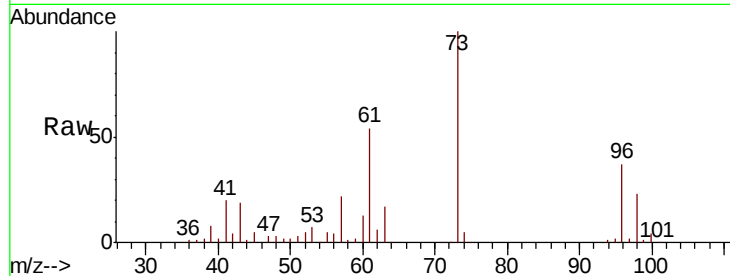
#21
trans-1,2-Dichloroethene
Concen: 50.548 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	122.6	183.8
98	64.1	50.3	75.5

Manual Integrations
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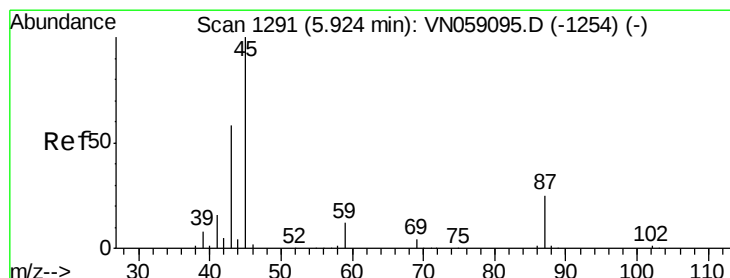
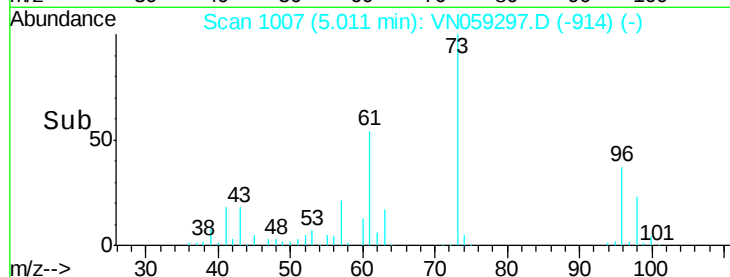
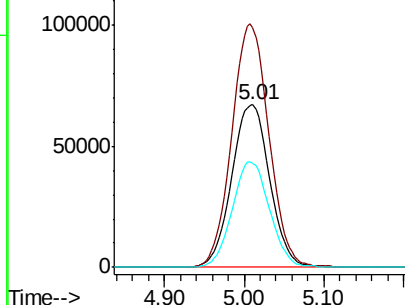


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 46.894 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	46.7	70.1
87	26.4	20.5	30.7
59	12.0	9.6	14.4

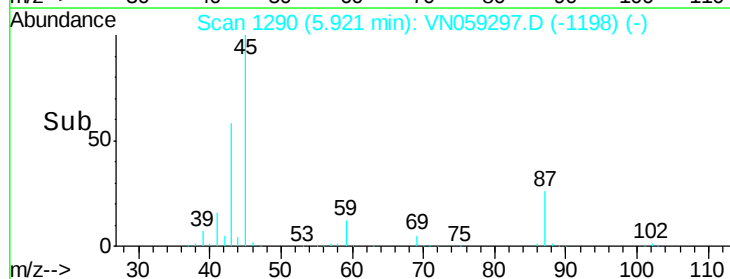
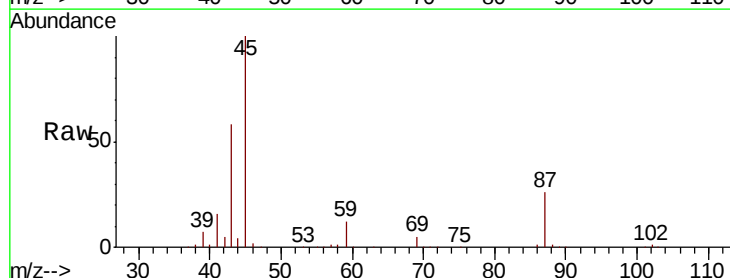
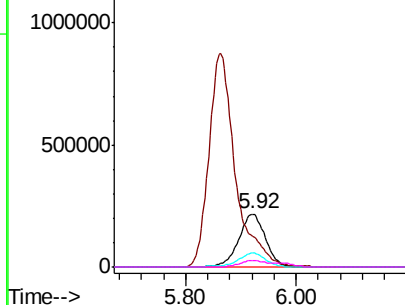
Abundance

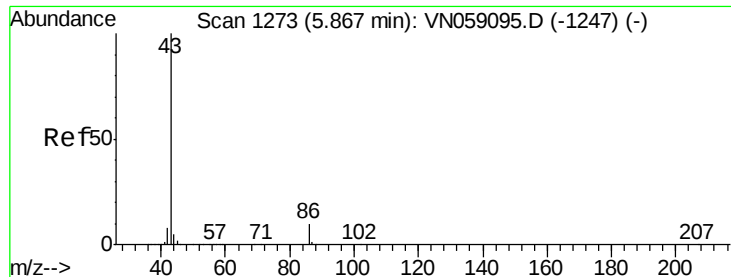
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 241.611 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2906590

Ion Ratio Lower Upper

43 100

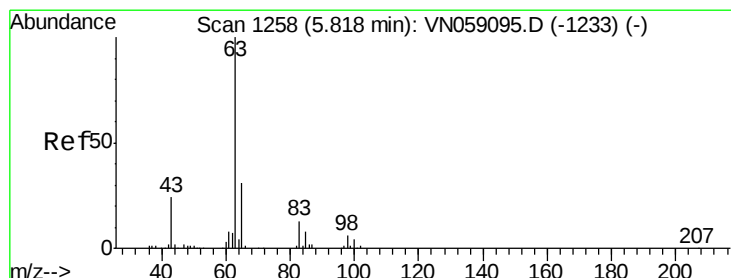
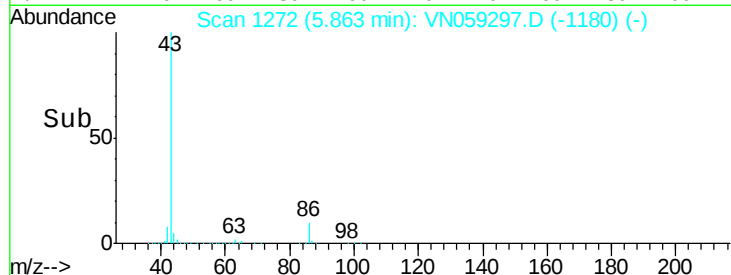
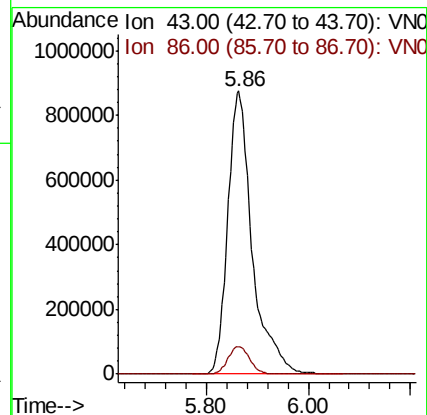
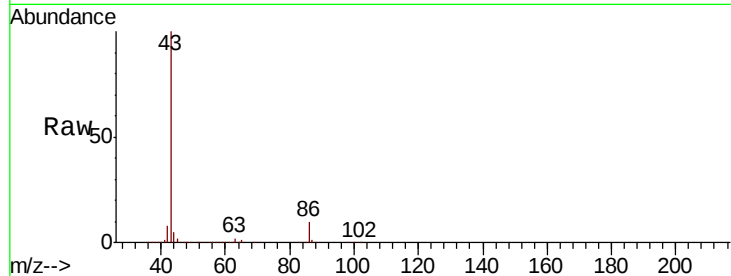
86 9.8 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.660 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

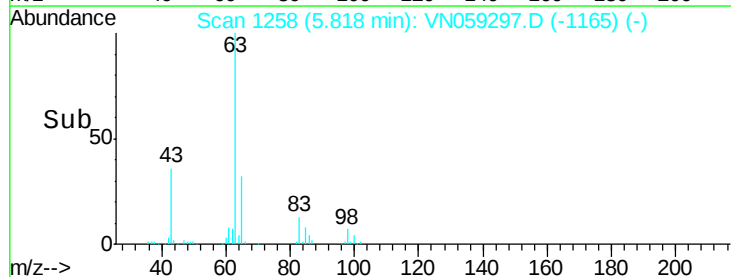
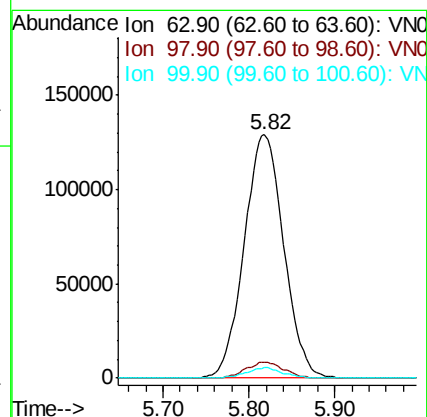
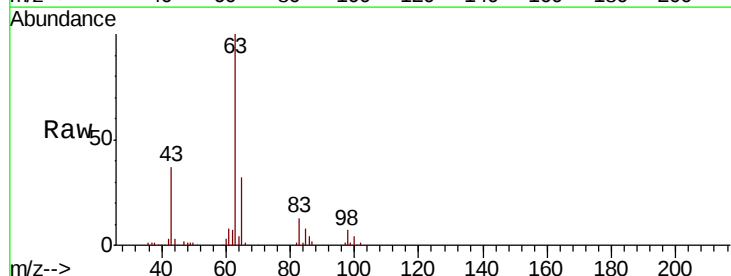
Tgt Ion: 63 Resp: 413191

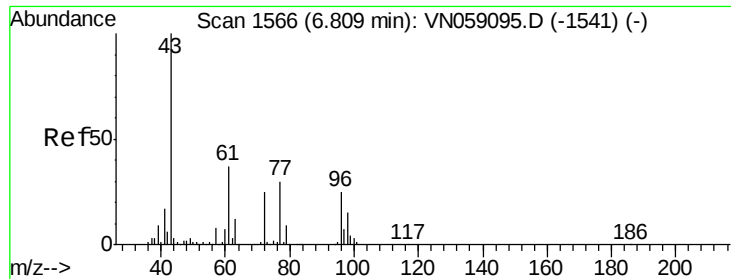
Ion Ratio Lower Upper

63 100

98 6.7 2.8 8.4

100 4.1 1.9 5.7





#25

2-Butanone

Concen: 244.994 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 885183

Ion Ratio Lower Upper

43 100

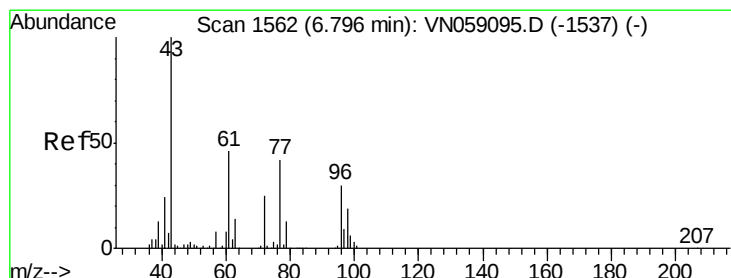
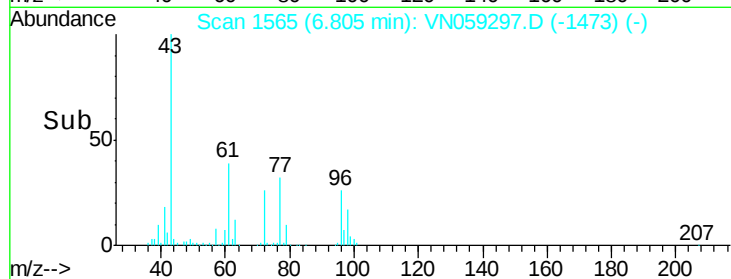
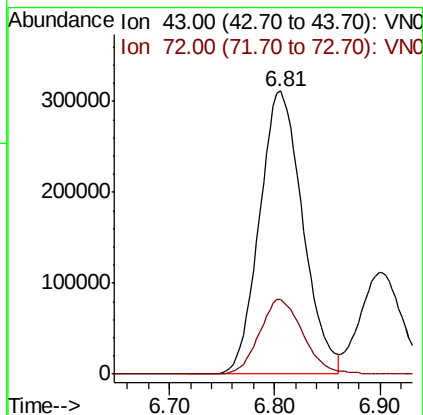
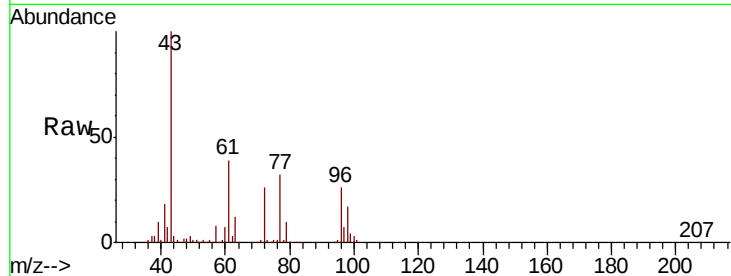
72 26.4 20.3 30.5

Manual Integrations

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MMDadoda

11/20/2019 1:37:39 PM



#26

2,2-Dichloropropane

Concen: 46.382 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059297.D

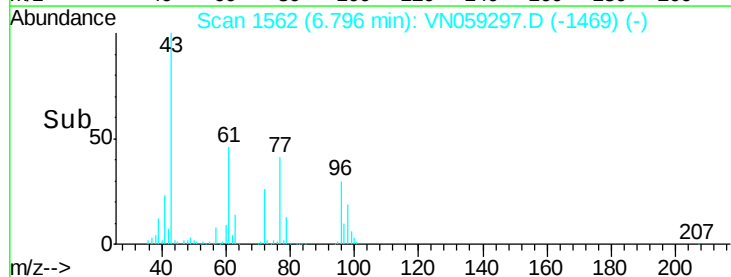
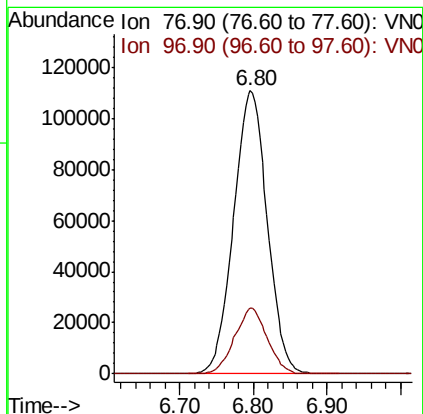
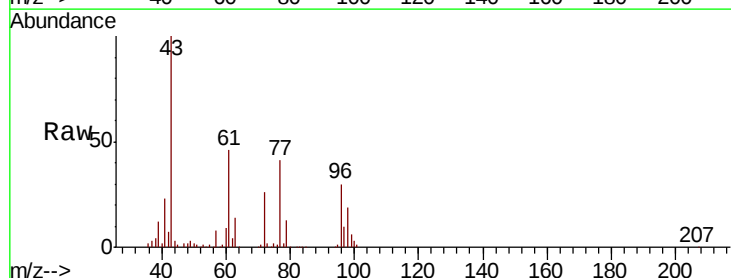
Acq: 19 Nov 2019 10:35

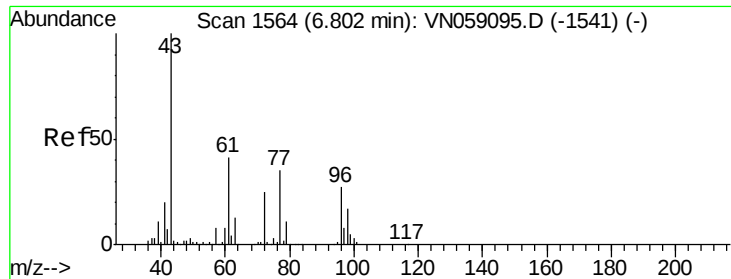
Tgt Ion: 77 Resp: 351610

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





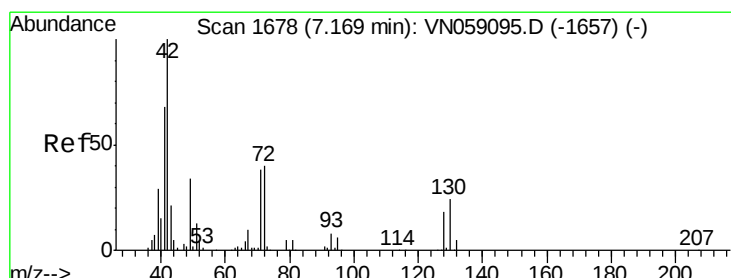
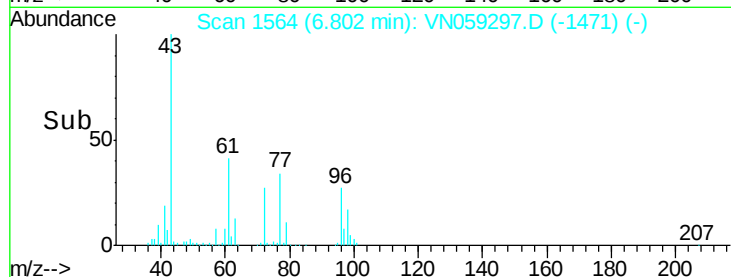
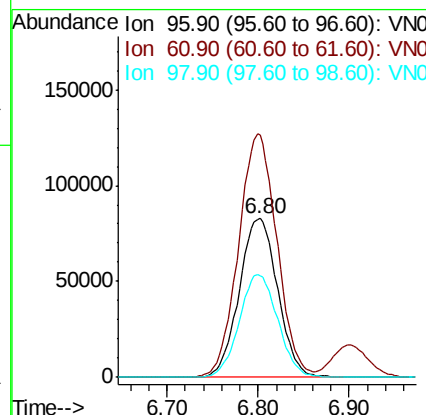
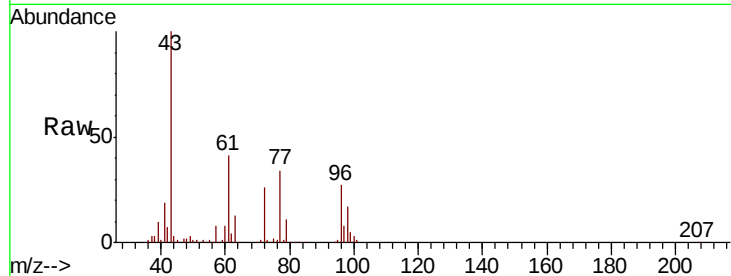
#27
 cis-1,2-Dichloroethene
 Concen: 48.911 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	243677		
61	152.6		0.0	311.6
98	64.7		0.0	129.8

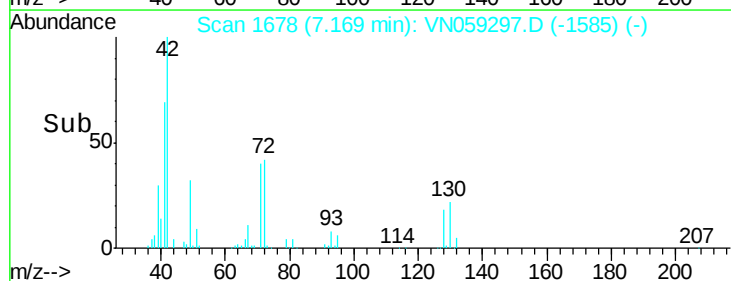
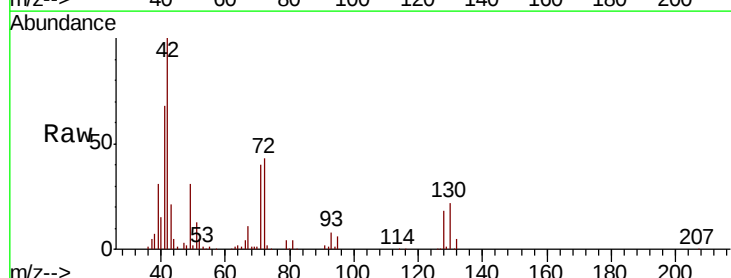
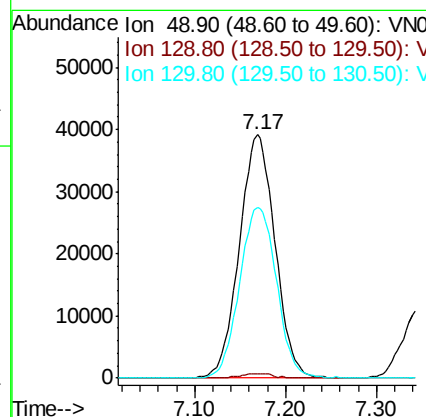
Manual Integrations
 APPROVED

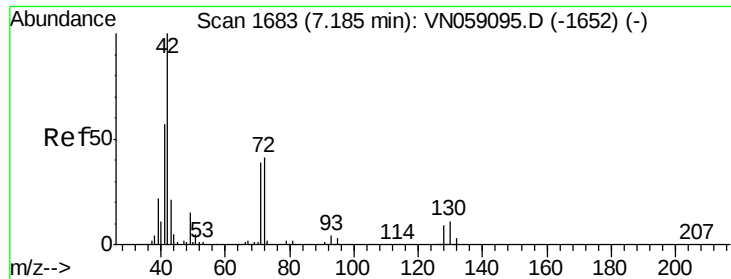
MMDadoda
 11/20/2019 1:37:39 PM



#28
 Bromochloromethane
 Concen: 40.901 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	106683		
129	1.5		0.0	3.8
130	72.5		55.6	83.4





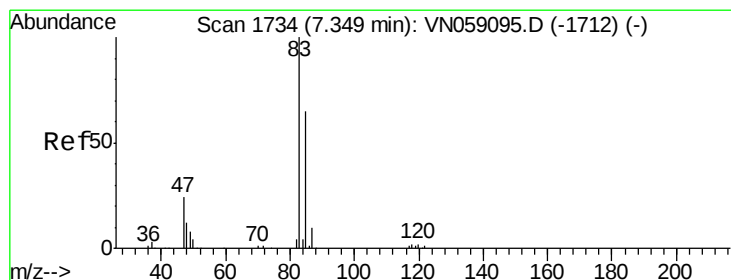
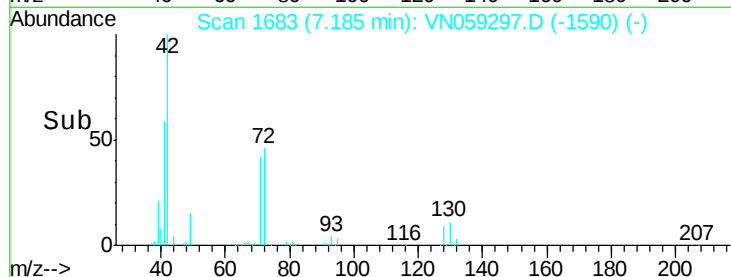
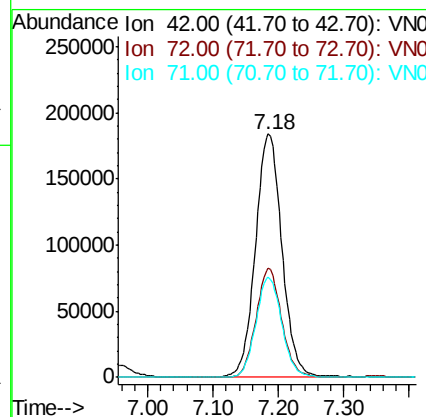
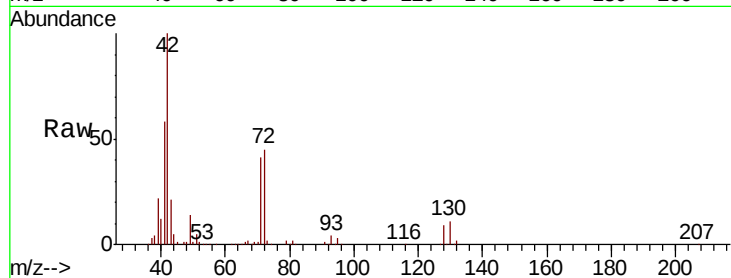
#29
Tetrahydrofuran
Concen: 226.724 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.1	49.7
71	40.3	30.9	46.3

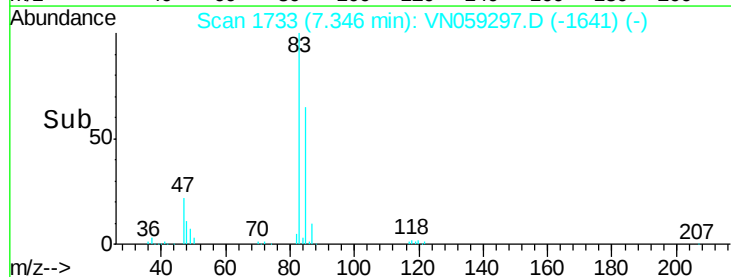
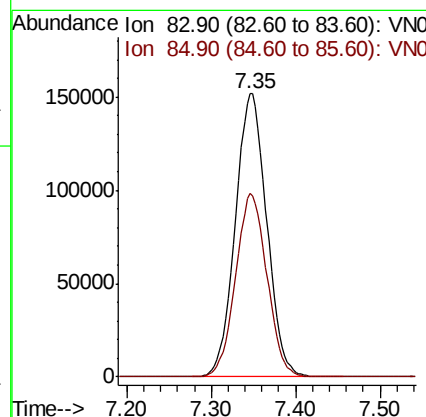
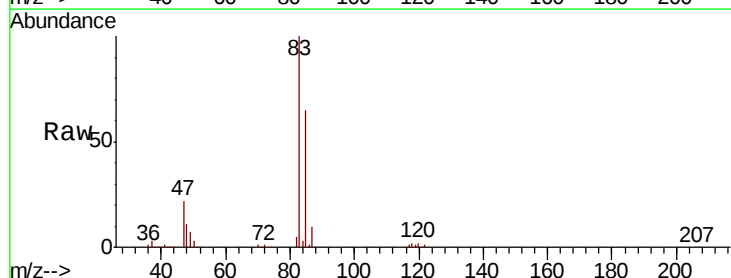
Manual Integrations
APPROVED

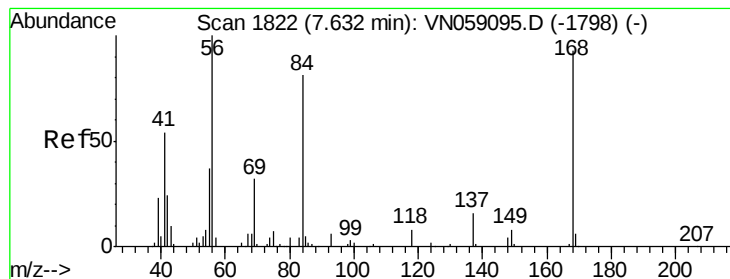
MMDadoda
11/20/2019 1:37:39 PM



#30
Chloroform
Concen: 47.315 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8





#31

Cyclohexane

Concen: 47.553 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

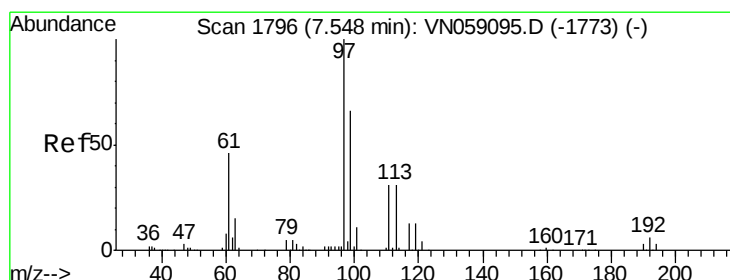
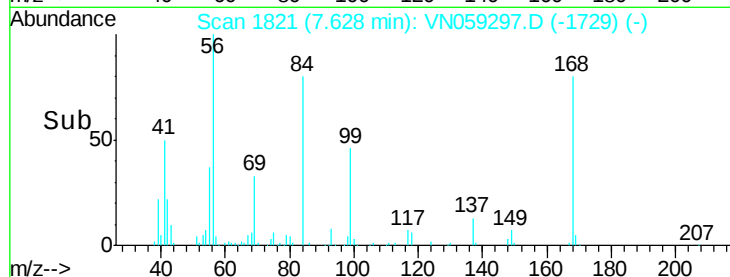
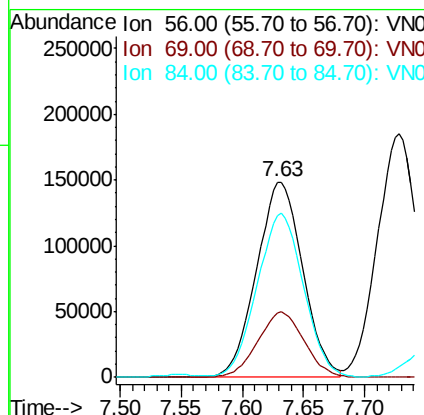
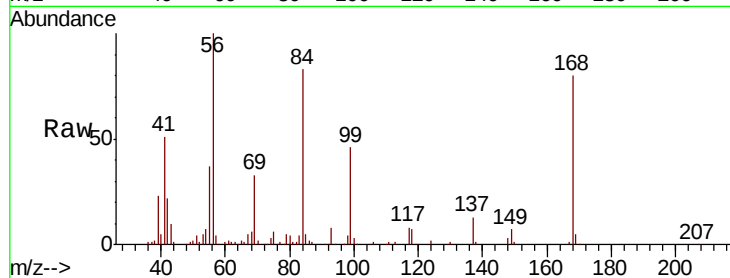
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	390281
Ion Ratio	Lower	Upper	
56	100		
69	32.8	25.8	38.8
84	82.0	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.871 ug/l

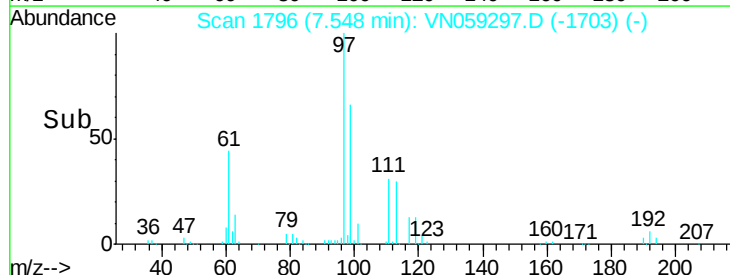
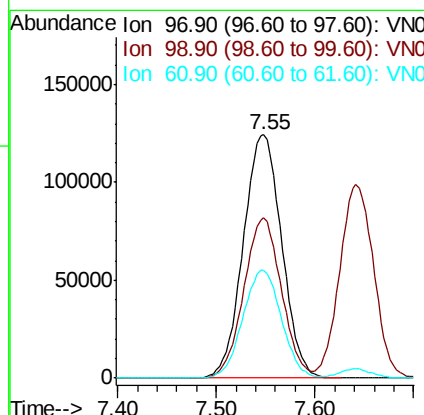
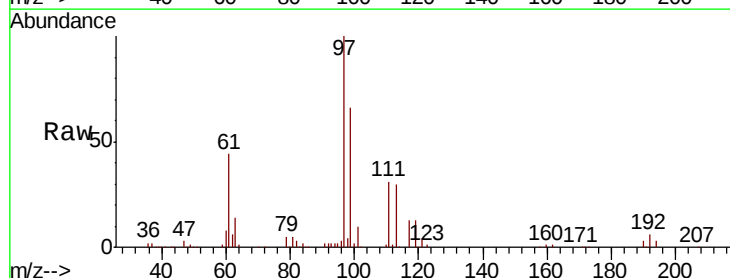
RT: 7.55 min Scan# 1796

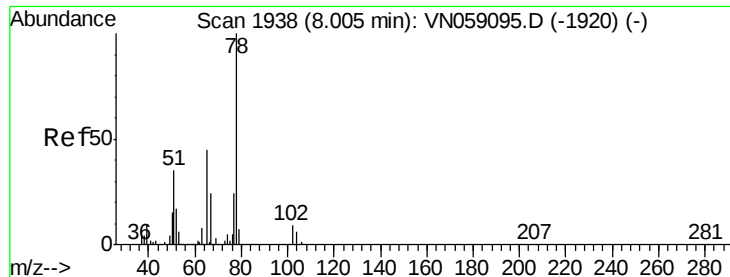
Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion:	97	Resp:	334718
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.6
61	44.5	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 40.843 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 215319

Ion Ratio Lower Upper

65 100

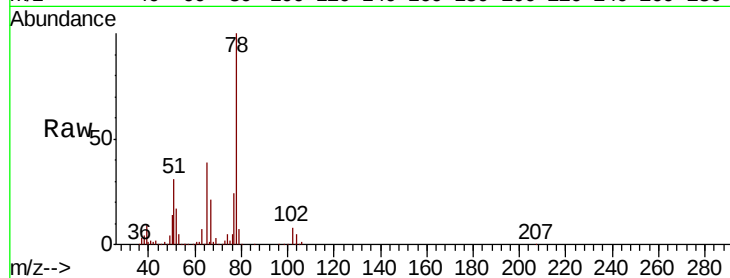
67 54.2 0.0 107.4

Manual Integrations

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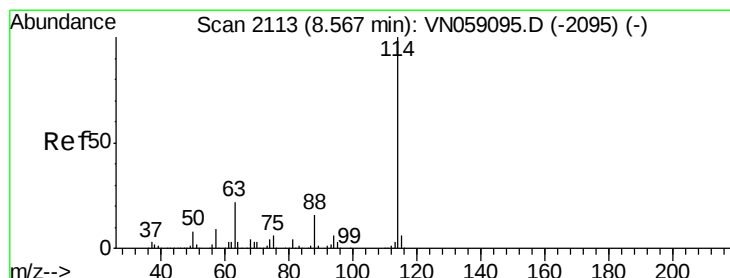
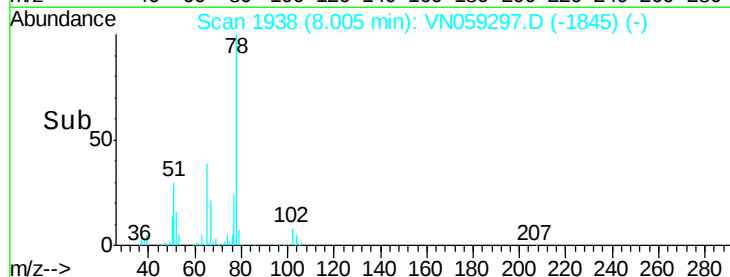
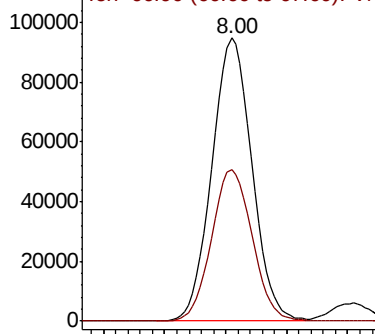
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

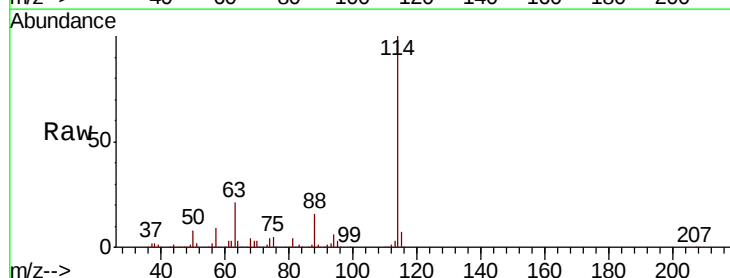
Tgt Ion: 114 Resp: 669568

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.4

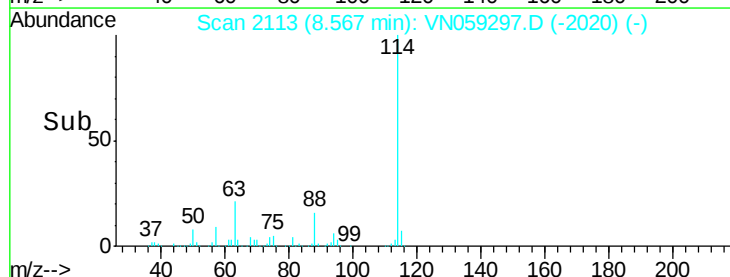
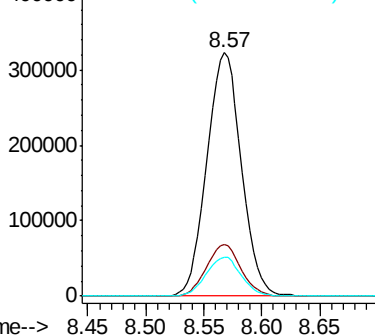
88 16.1 0.0 32.2

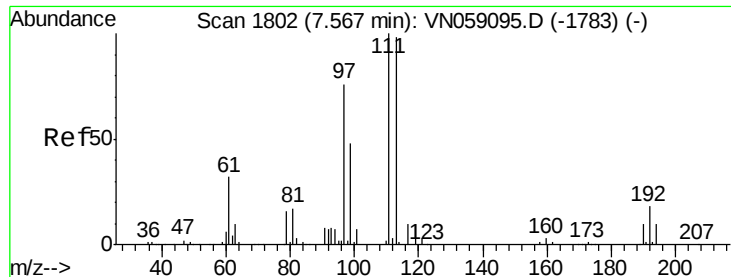


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





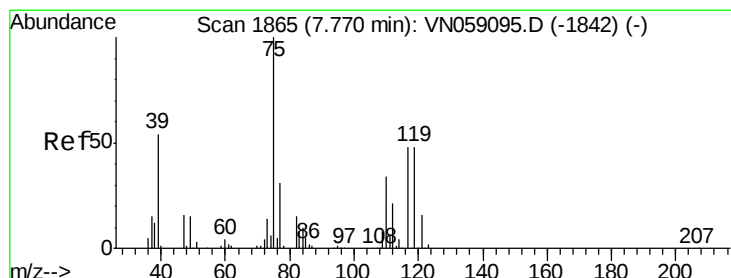
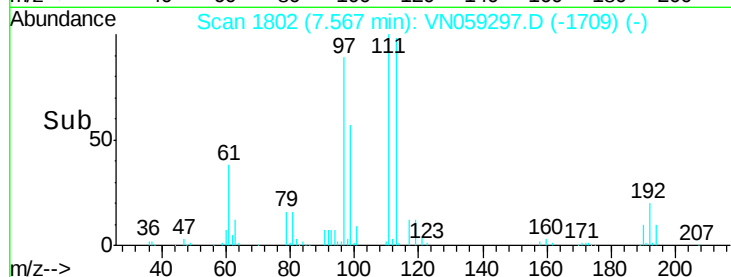
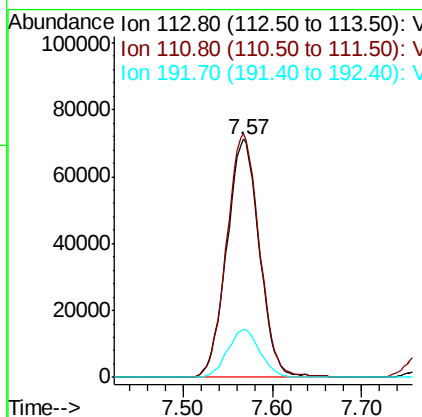
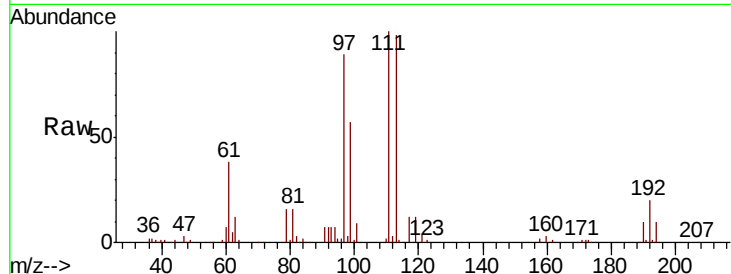
#35
 Dibromofluoromethane
 Concen: 44.995 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179890		
111	102.9	82.8	124.2	
192	20.0	16.1	24.1	

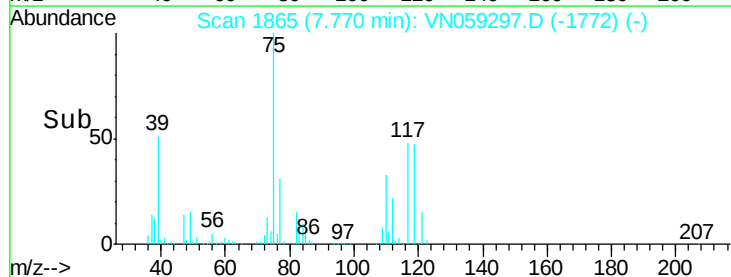
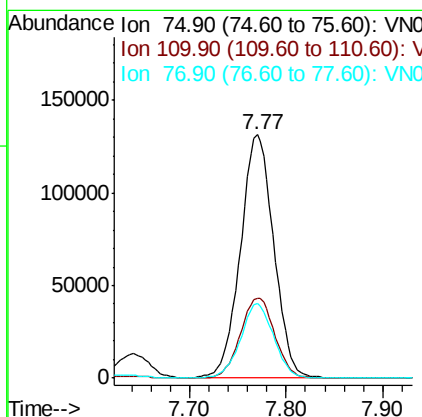
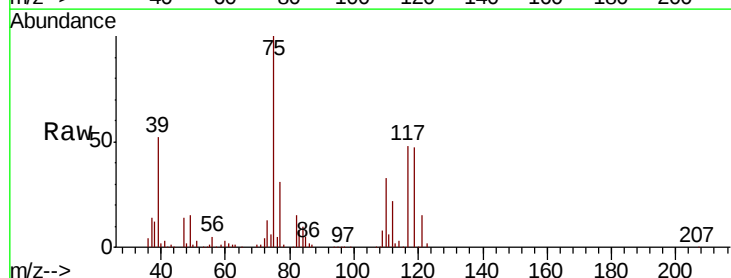
Manual Integrations
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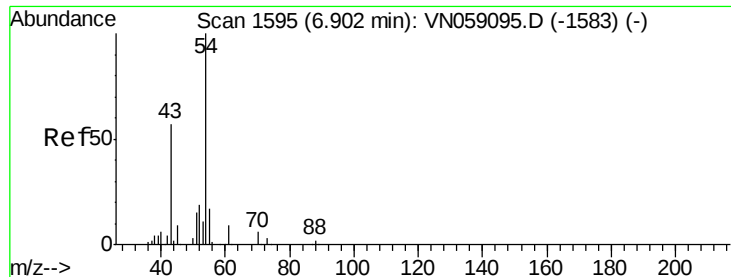
MMDadoda
 11/20/2019 1:37:39 PM



#36
 1,1-Dichloropropene
 Concen: 50.126 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	313713		
110	33.9	17.1	51.2	
77	30.7	24.8	37.2	





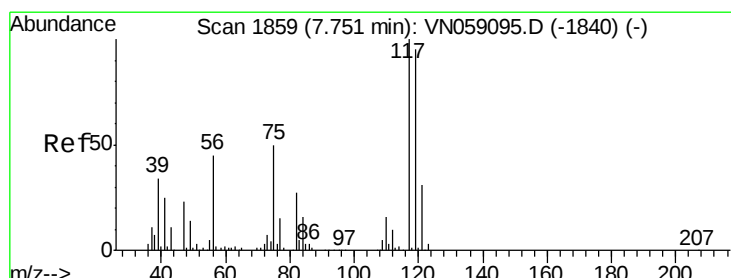
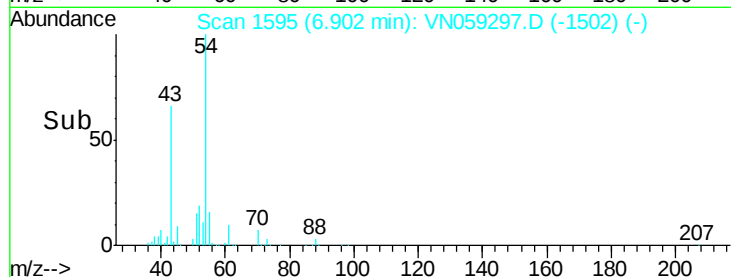
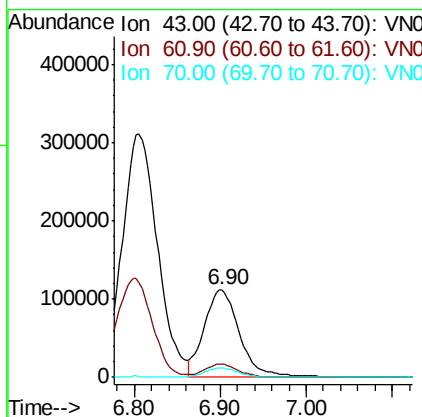
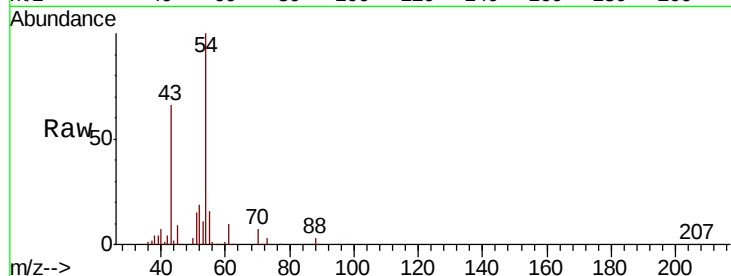
#37
Ethyl Acetate
Concen: 45.609 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.2	16.8
70	10.1	7.8	11.8

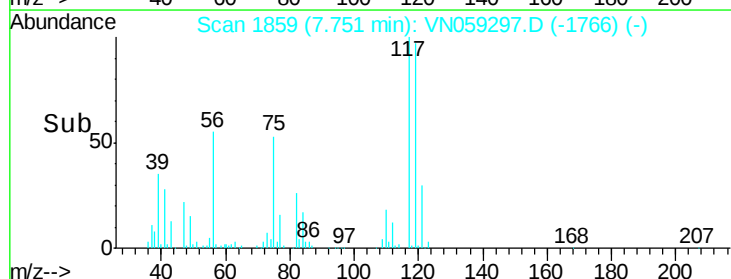
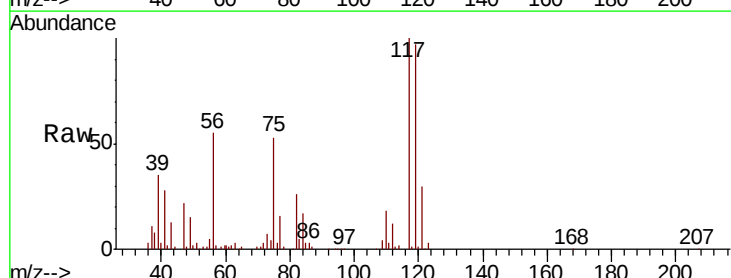
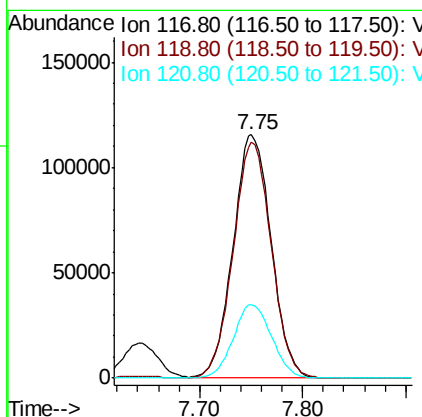
Manual Integrations
APPROVED

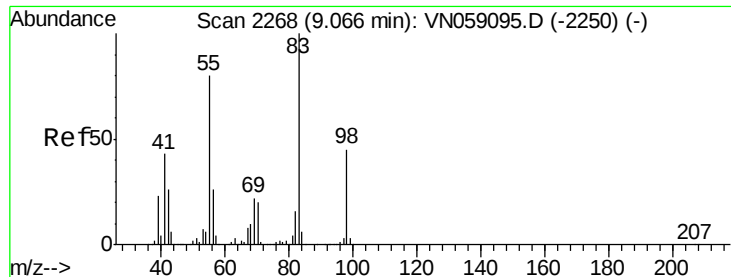
MMDadoda
11/20/2019 1:37:39 PM



#38
Carbon Tetrachloride
Concen: 47.825 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.6	113.4
121	30.2	24.6	36.8





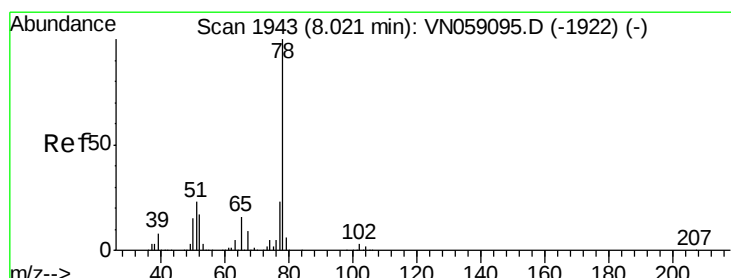
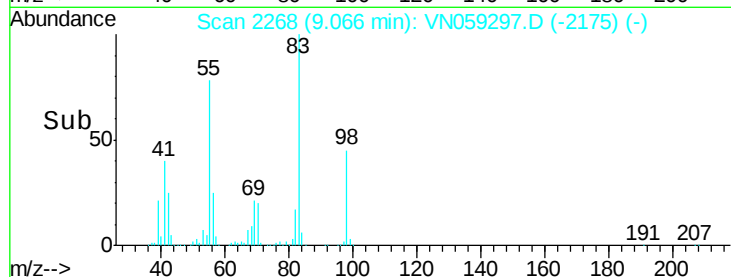
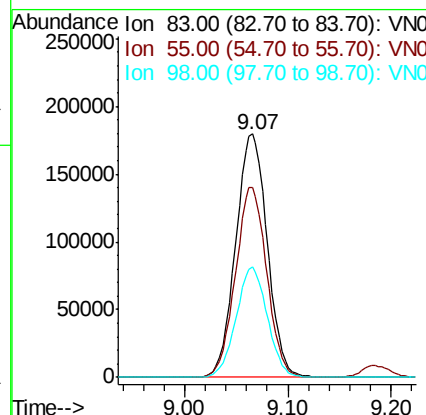
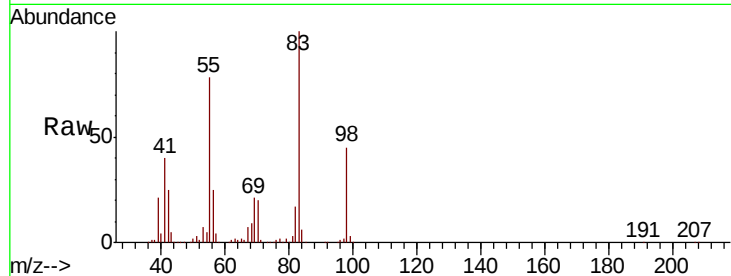
#39
Methvlcvclohexane
Concen: 52.798 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.0	63.9	95.9	
98	45.3	35.6	53.4	

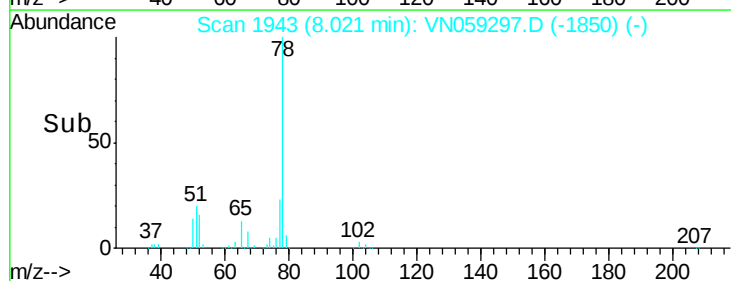
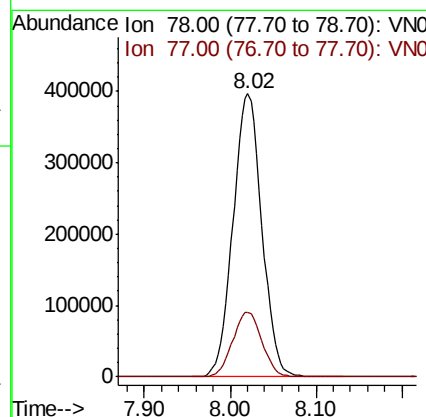
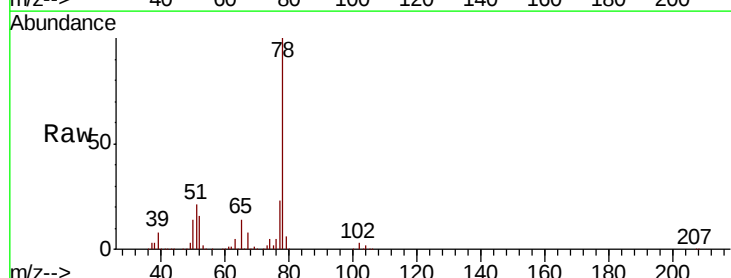
Manual Integrations
APPROVED

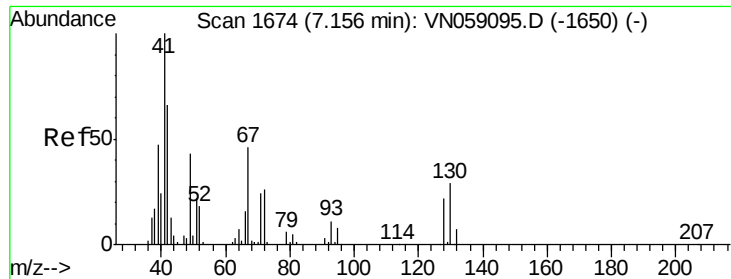
MMDadoda
11/20/2019 1:37:39 PM



#40
Benzene
Concen: 48.822 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	18.8	28.2	





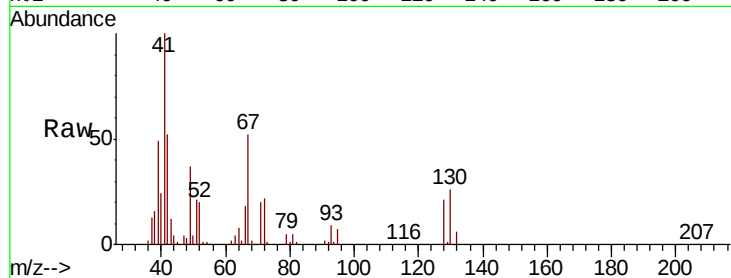
#41
Methacrylonitrile
Concen: 46.631 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

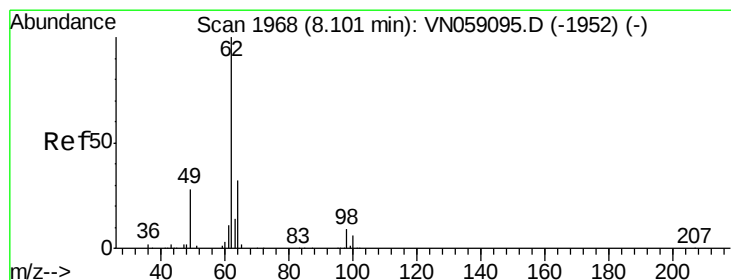
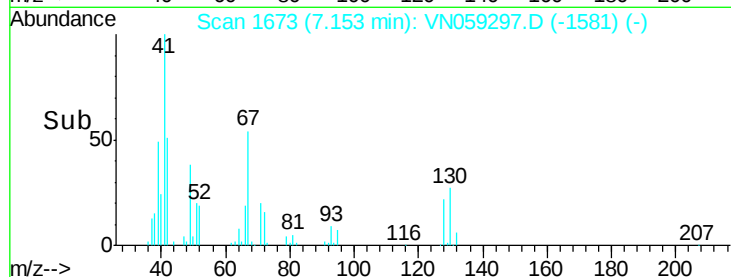
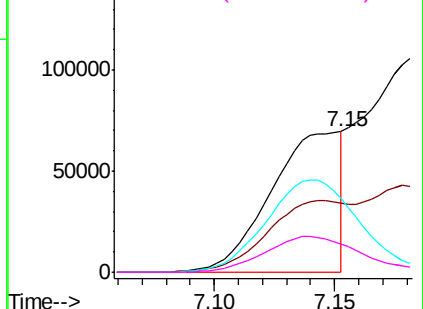
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

Manual Integrations
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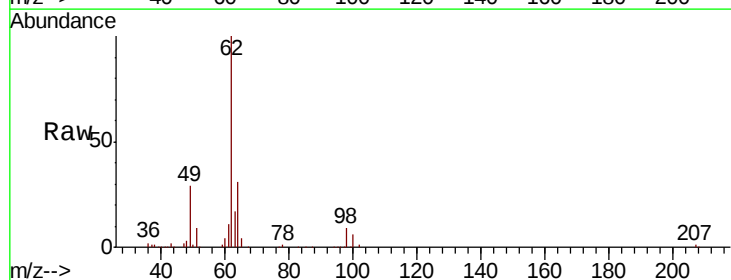


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

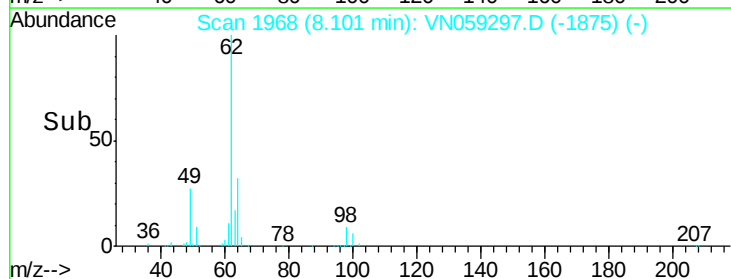
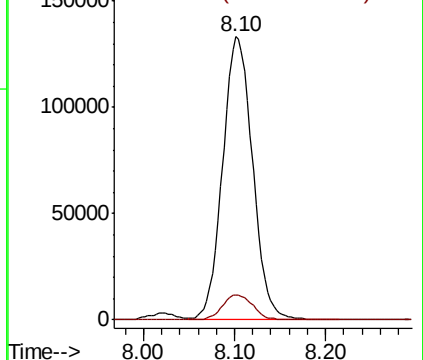


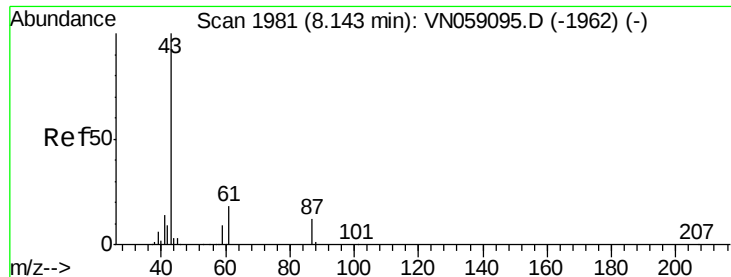
#42
1,2-Dichloroethane
Concen: 47.110 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.1	0.0	17.8		



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





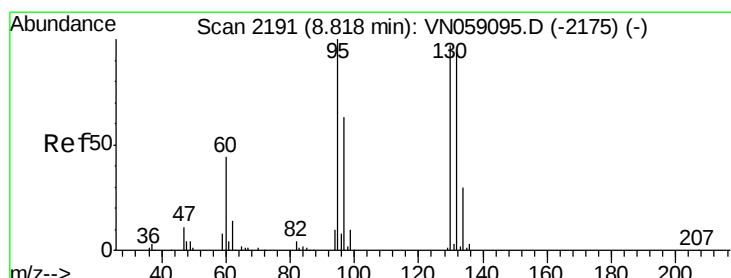
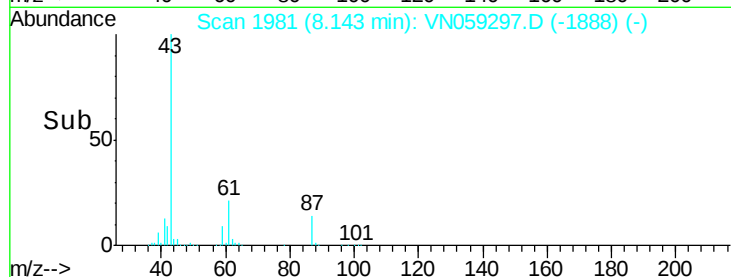
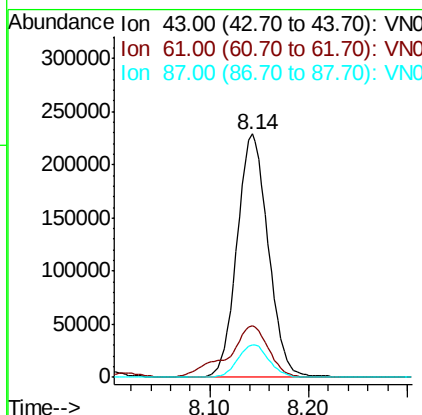
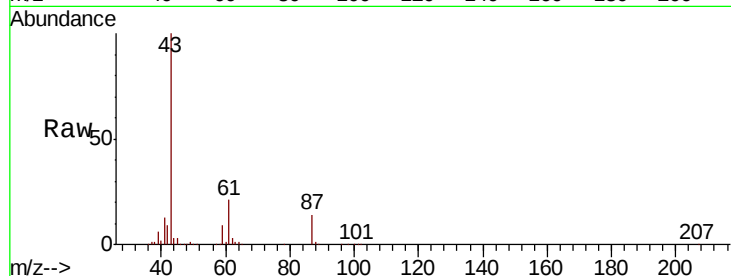
#43
Isopropyl Acetate
Concen: 45.057 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.0	31.6
87	13.4	9.8	14.6

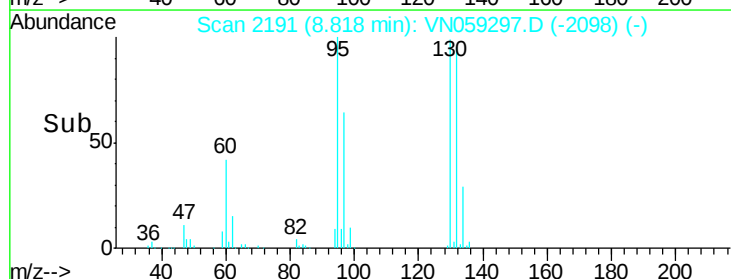
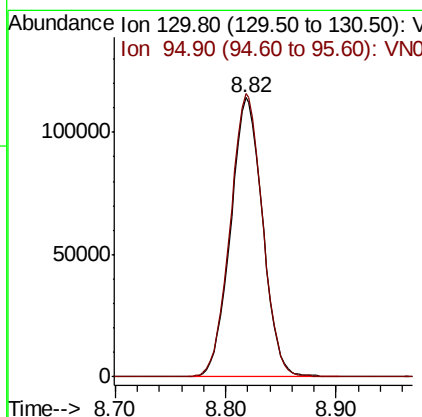
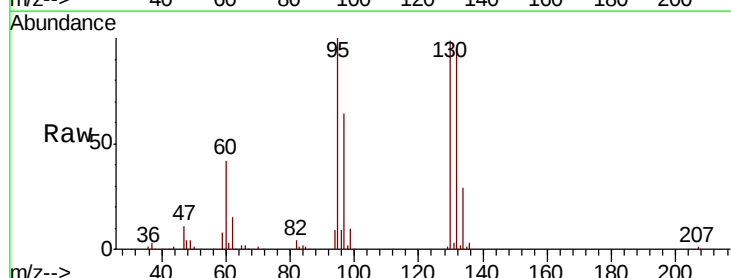
Manual Integrations
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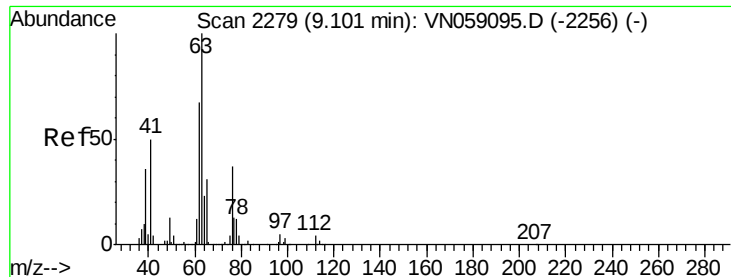
MMDadoda
11/20/2019 1:37:39 PM



#44
Trichloroethene
Concen: 49.617 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	206.4





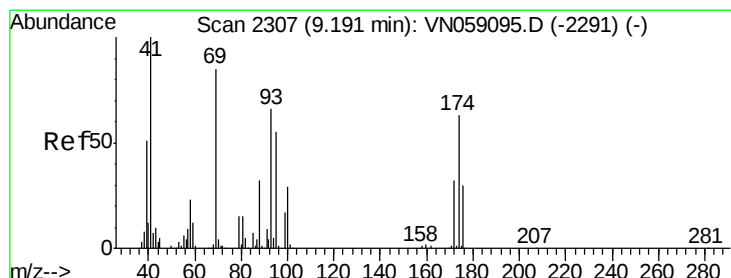
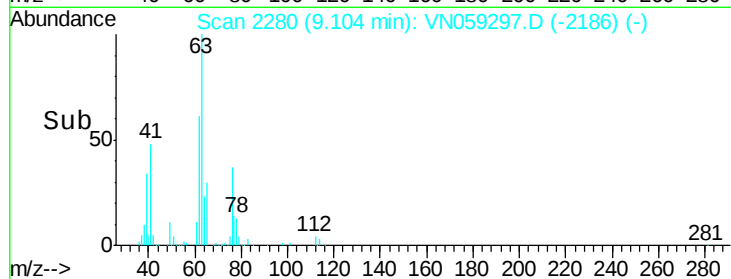
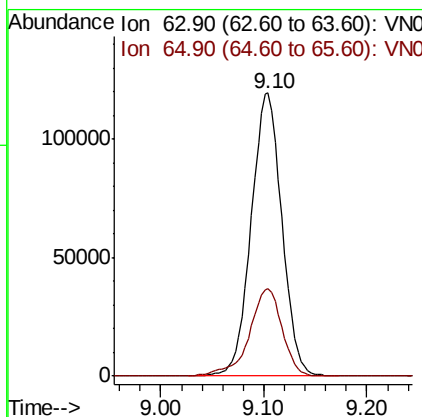
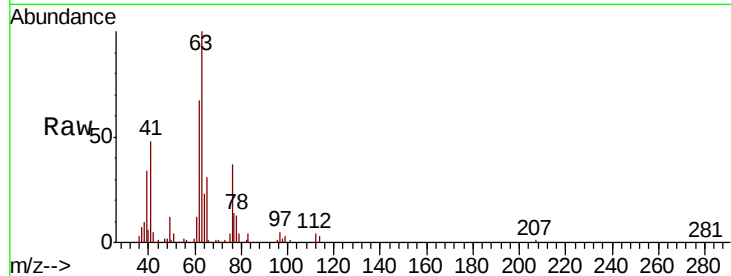
#45
 1,2-Dichloropropane
 Concen: 48.073 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 246086
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0

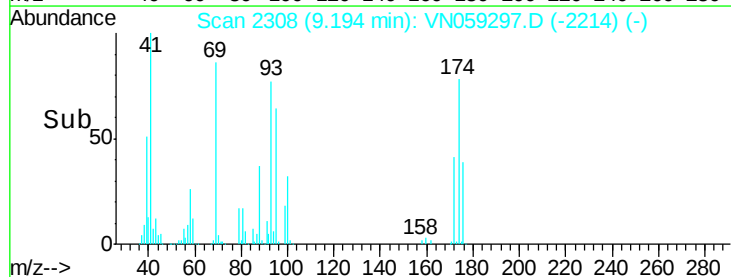
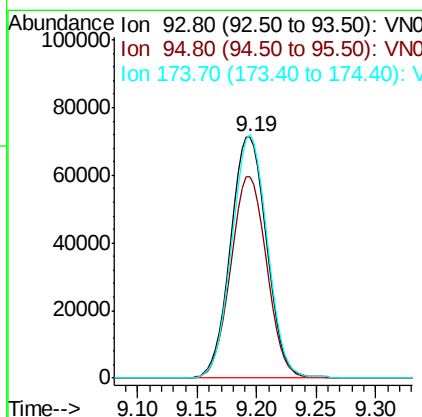
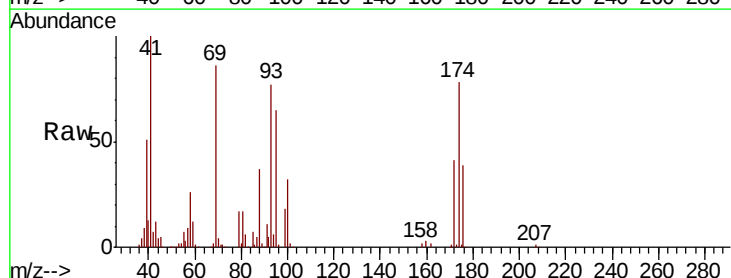
Manual Integrations
 APPROVED

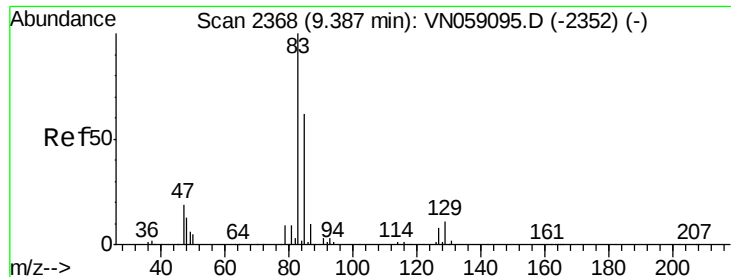
MMDadoda
 11/20/2019 1:37:39 PM



#46
 Dibromomethane
 Concen: 47.246 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion: 93 Resp: 150710
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.6 100.0
 174 99.1 78.2 117.2





#47

Bromodichloromethane

Concen: 47.948 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

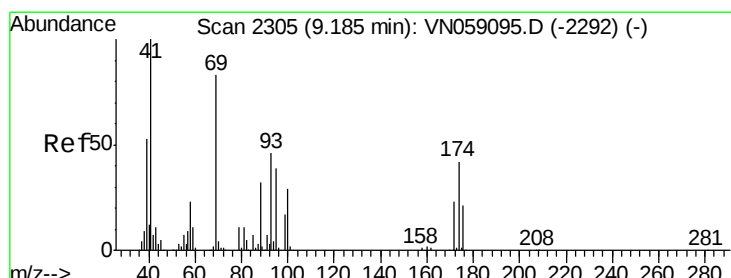
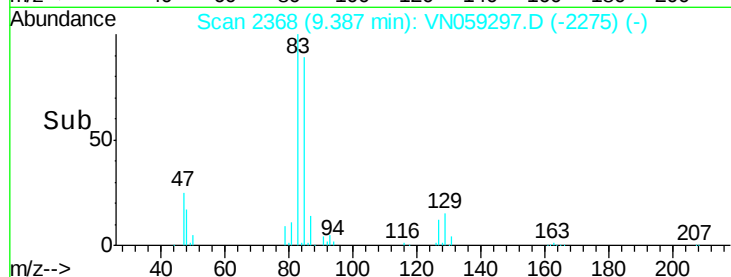
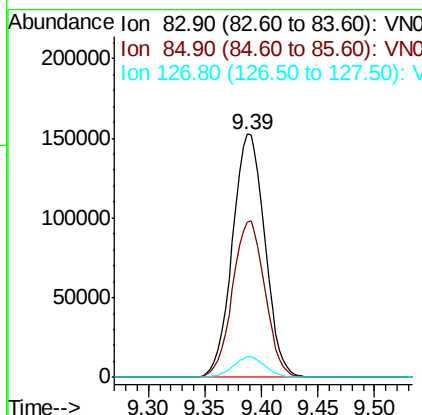
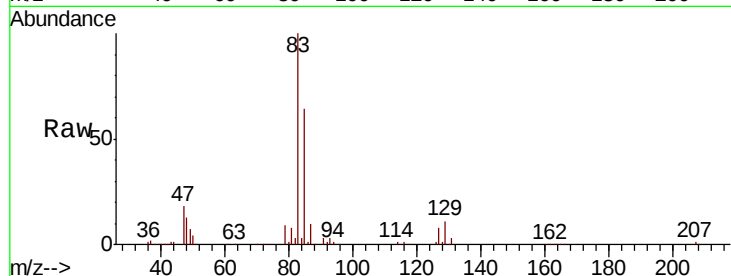
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	305420
Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.7	74.5
127	8.4	6.4	9.6

Manual Integrations
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11/20/2019 1:37:39 PM



#48

Methyl methacrylate

Concen: 45.817 ug/l

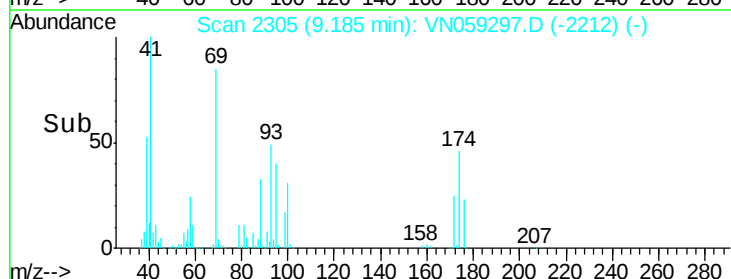
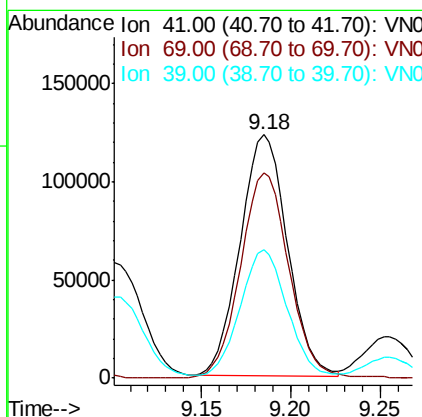
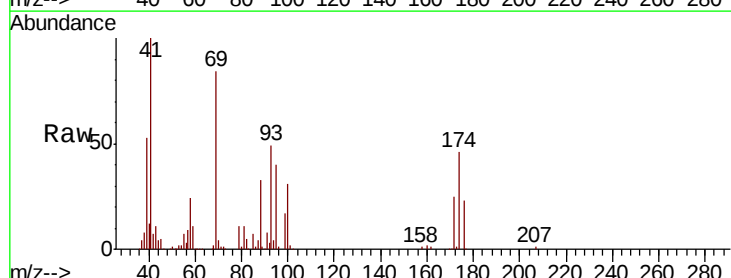
RT: 9.18 min Scan# 2305

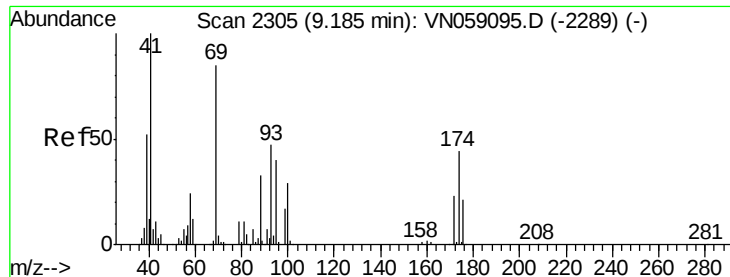
Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion:	41	Resp:	227478
Ion	Ratio	Lower	Upper
41	100		
69	87.4	67.3	100.9
39	51.5	43.3	64.9





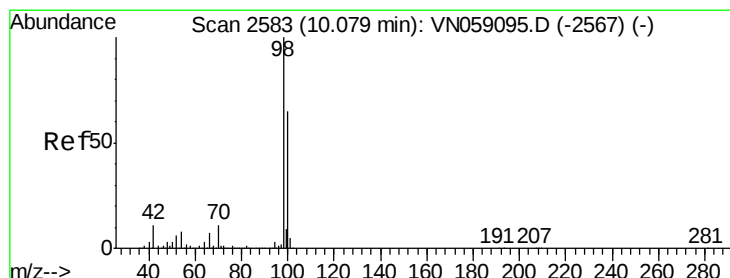
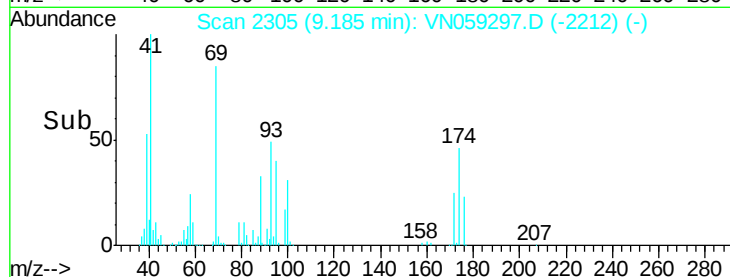
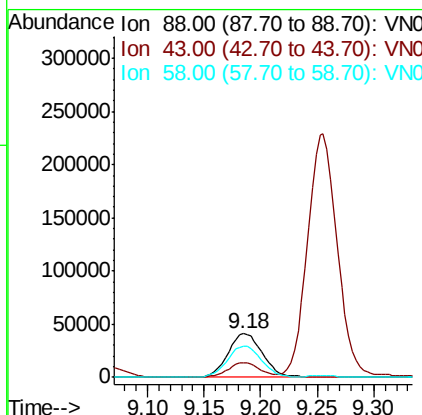
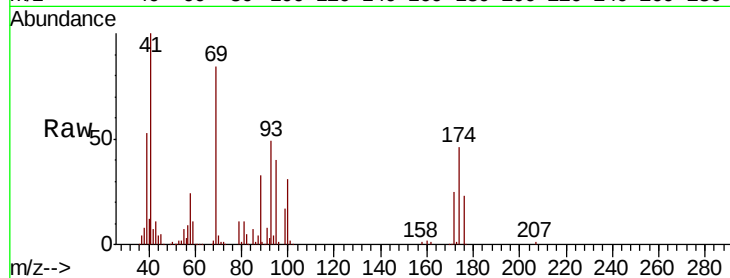
#49
1,4-Dioxane
Concen: 998.561 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	26.3	39.5
58	70.3	60.6	90.8

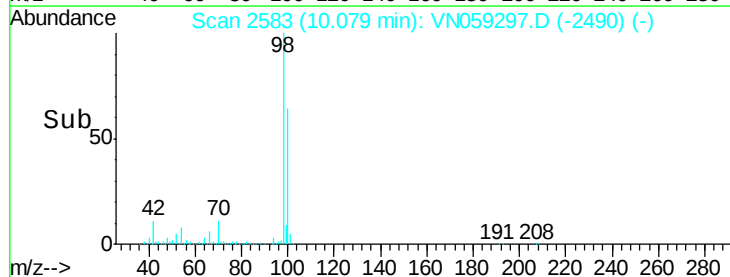
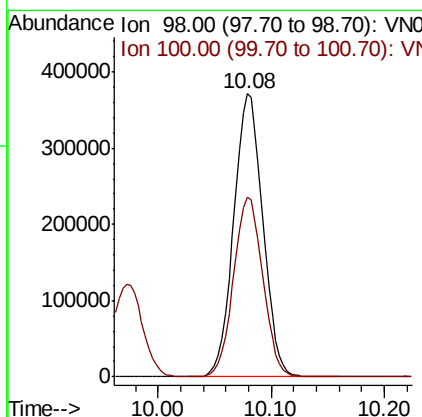
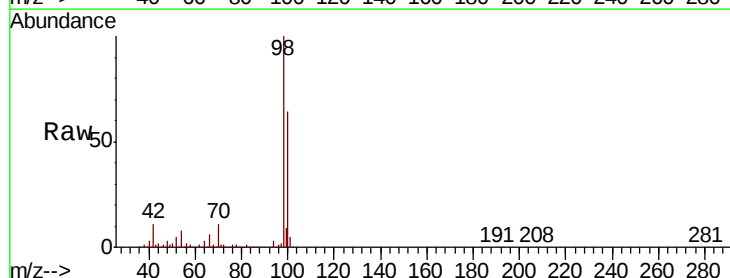
Manual Integrations
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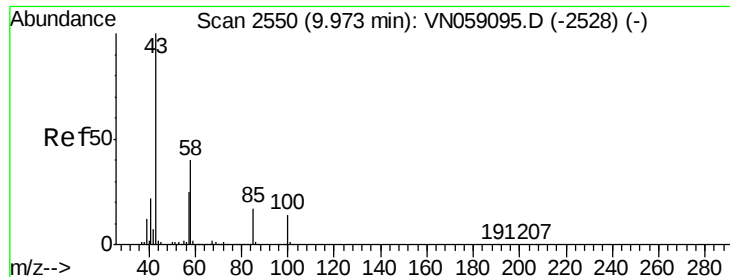
MMDadoda
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#50
Toluene-d8
Concen: 42.318 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 243.471 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1529135

Ion Ratio Lower Upper

43 100

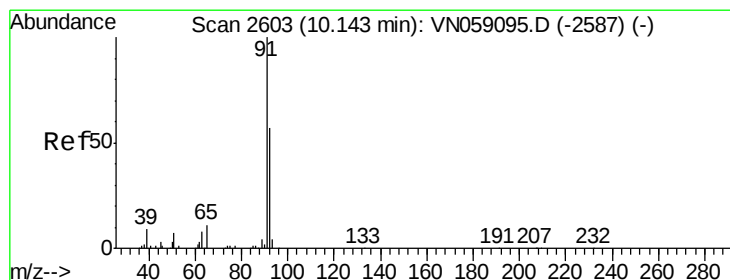
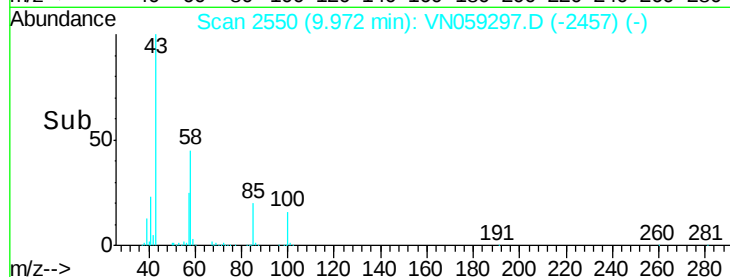
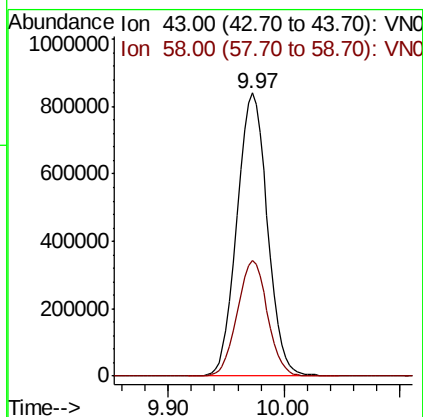
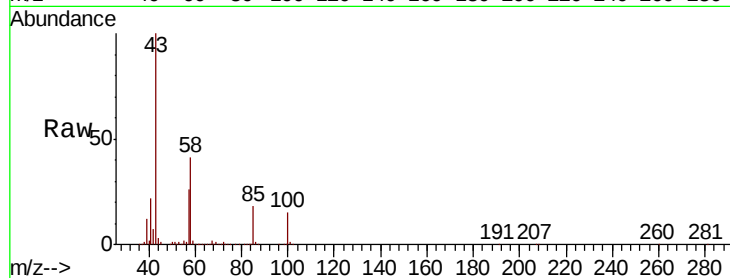
58 40.3 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 49.569 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059297.D

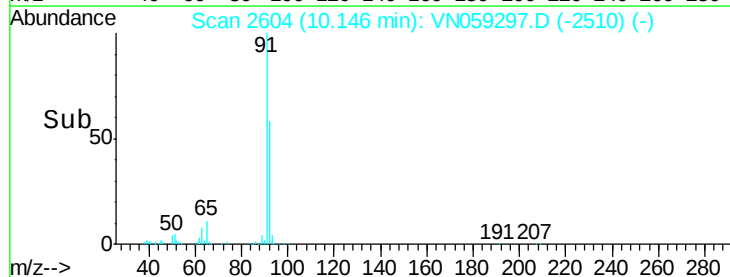
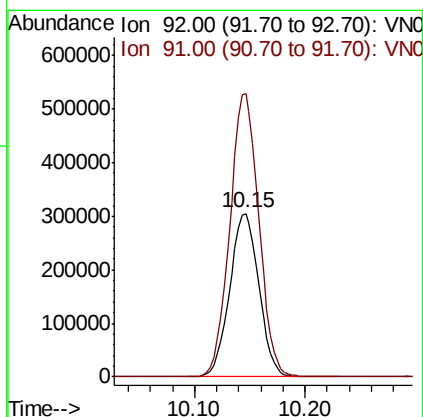
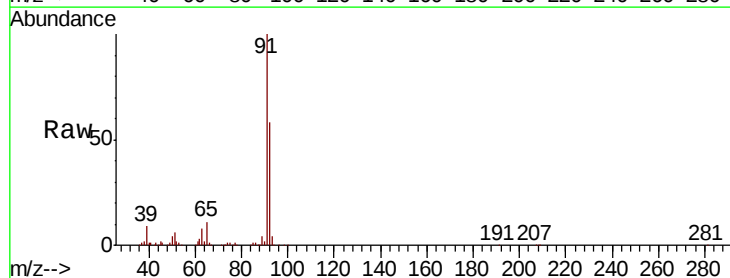
Acq: 19 Nov 2019 10:35

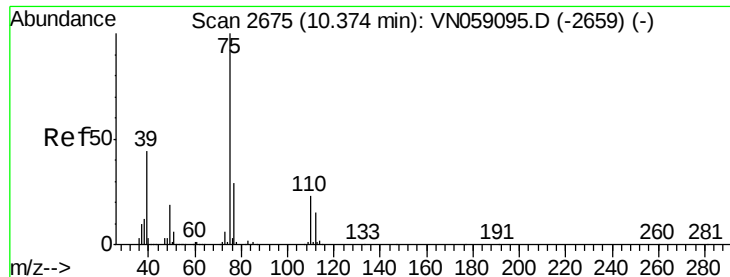
Tgt Ion: 92 Resp: 559937

Ion Ratio Lower Upper

92 100

91 172.3 139.5 209.3





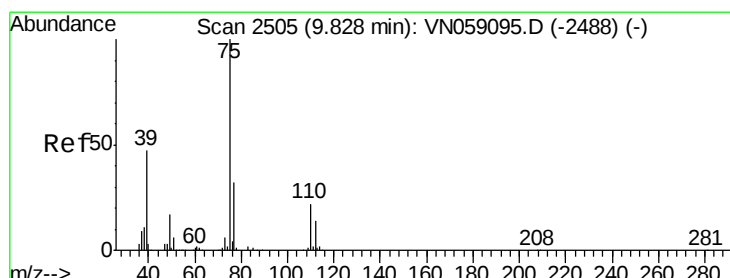
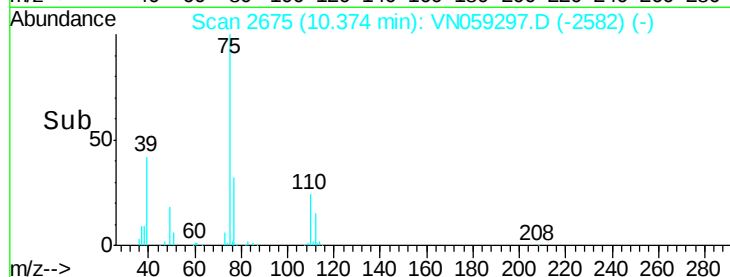
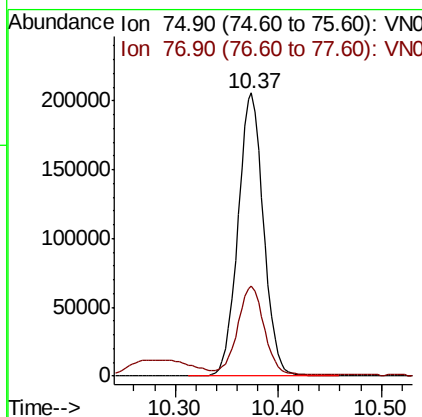
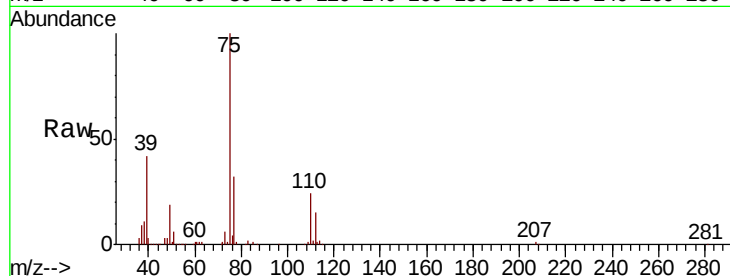
#53
t-1,3-Dichloropropene
Concen: 47.944 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.3	37.9

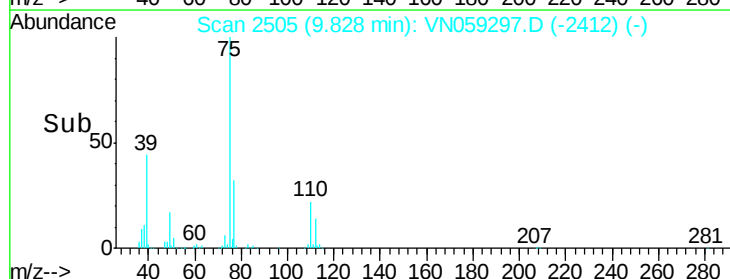
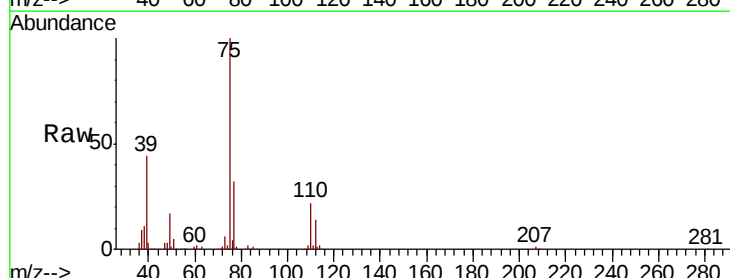
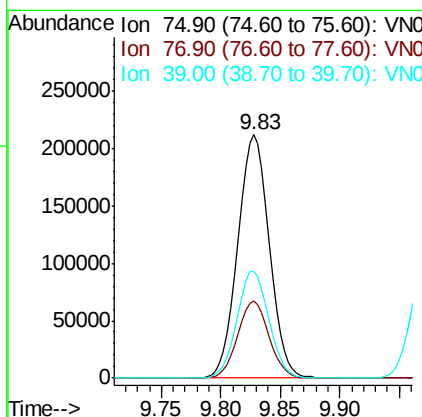
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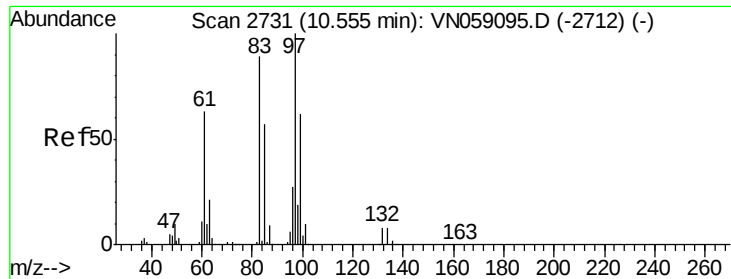
MMDadoda
11/20/2019 1:37:39 PM



#54
cis-1,3-Dichloropropene
Concen: 49.283 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3
39	44.1	37.3	55.9





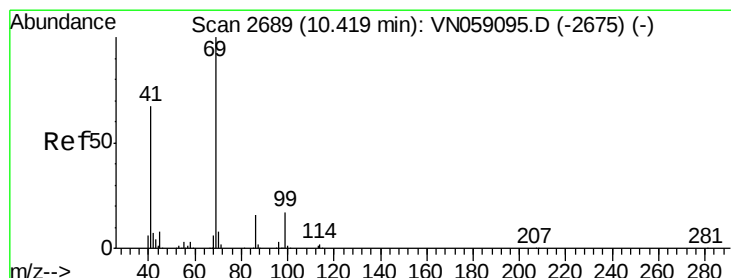
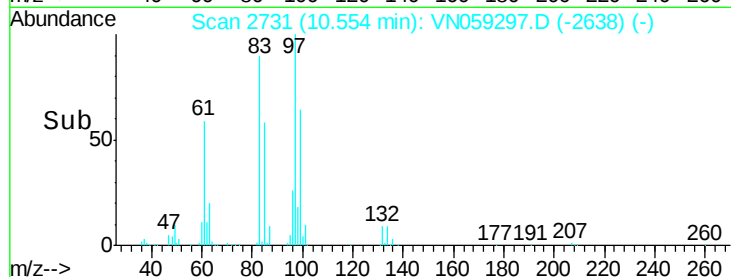
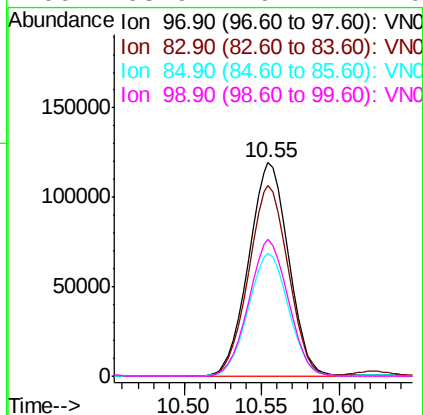
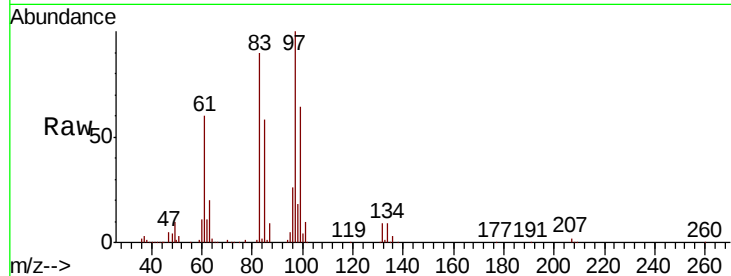
#55
 1,1,2-Trichloroethane
 Concen: 46.954 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.0	106.4
85	57.6	45.8	68.8
99	63.9	49.4	74.0

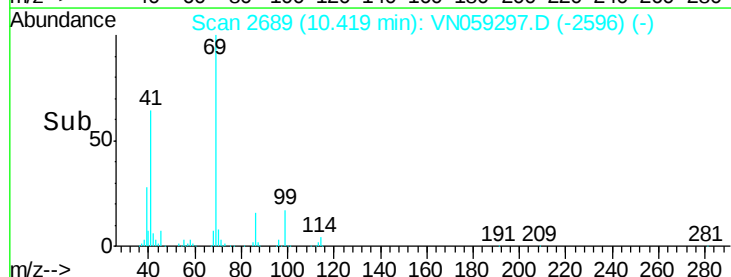
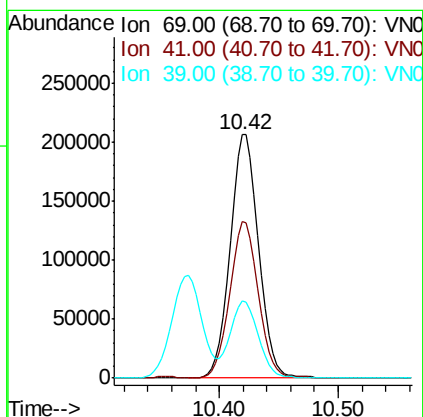
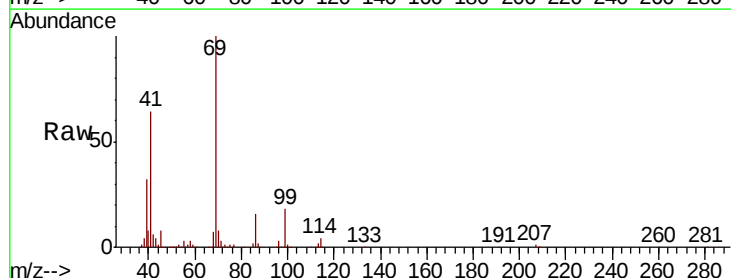
Manual Integrations
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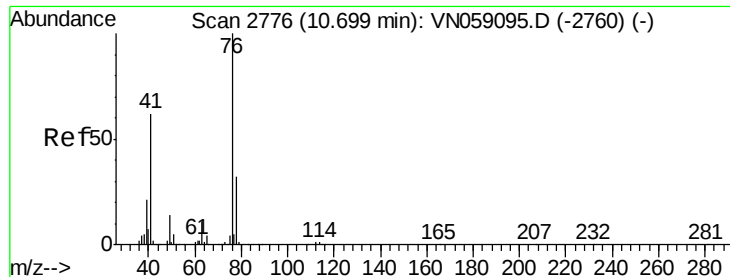
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 11/20/2019 1:37:39 PM



#56
 Ethyl methacrylate
 Concen: 44.963 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.8	53.6	80.4
39	30.8	26.2	39.4





#57

1,3-Dichloropropane

Concen: 48.043 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 378014

Ion Ratio Lower Upper

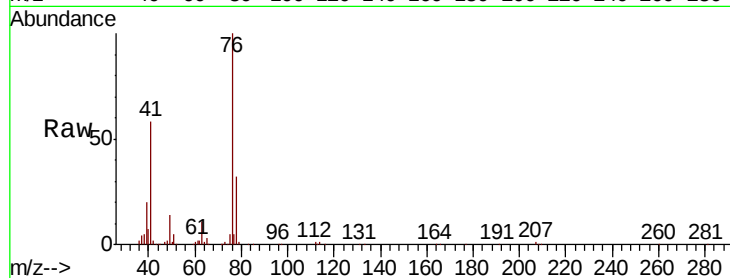
76 100

78 32.1 25.8 38.8

Manual Integrations
APPROVED

MMDadoda

11/20/2019 1:37:39 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

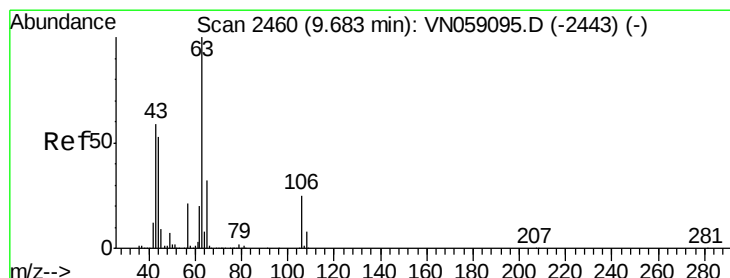
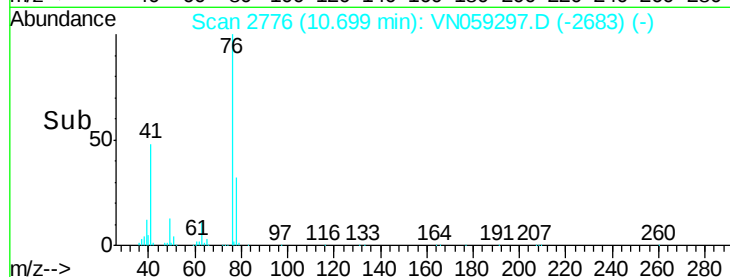
150000

100000

50000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 114.684 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059297.D

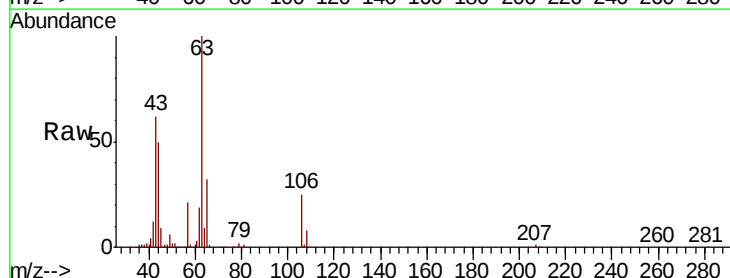
Acq: 19 Nov 2019 10:35

Tgt Ion: 63 Resp: 291781

Ion Ratio Lower Upper

63 100

106 25.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

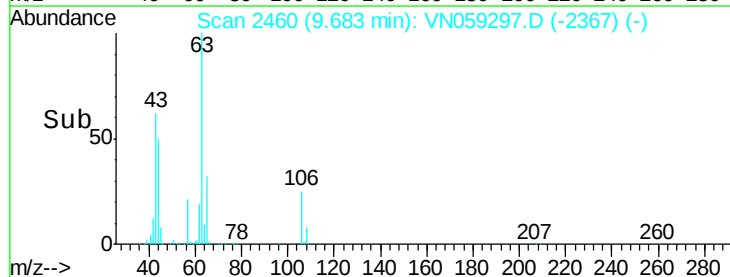
150000

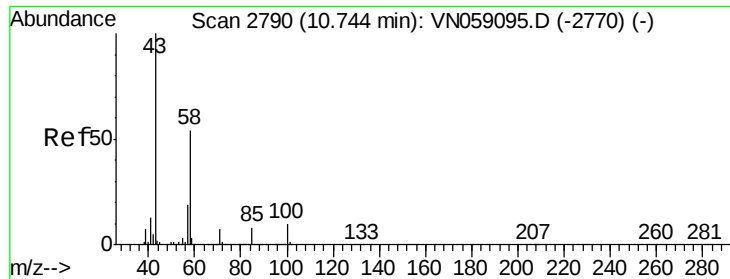
100000

50000

0

Time--> 9.60 9.65 9.70 9.75





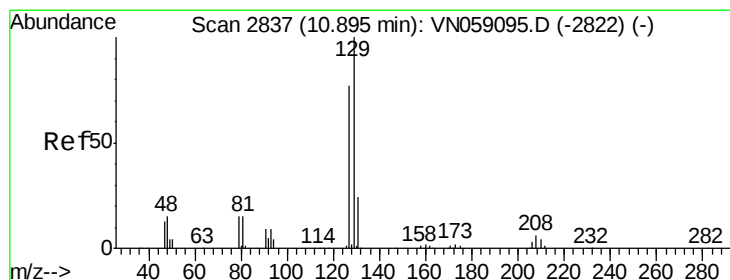
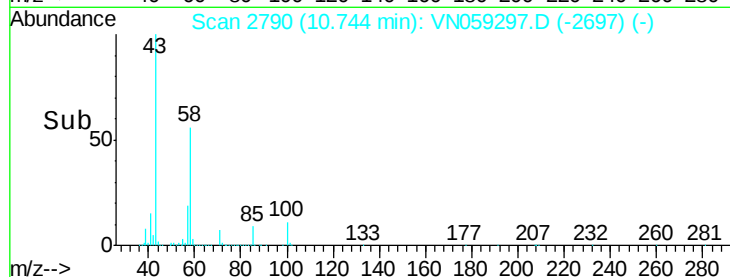
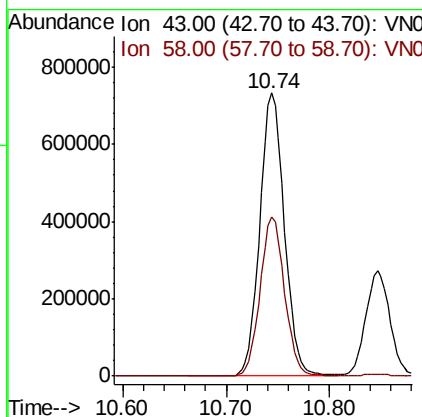
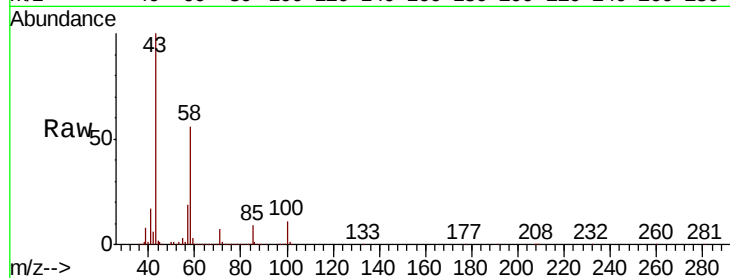
#59
2-Hexanone
Concen: 250.325 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1206722
Ion Ratio Lower Upper
43 100
58 56.2 27.3 81.8

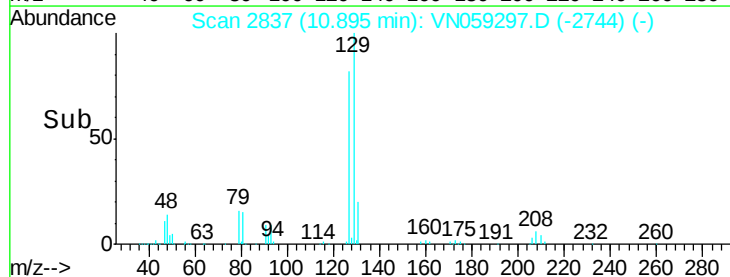
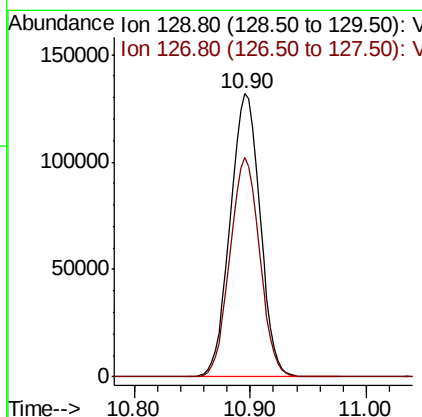
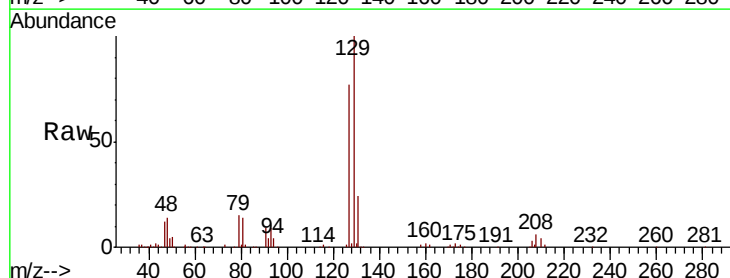
Manual Integrations
APPROVED

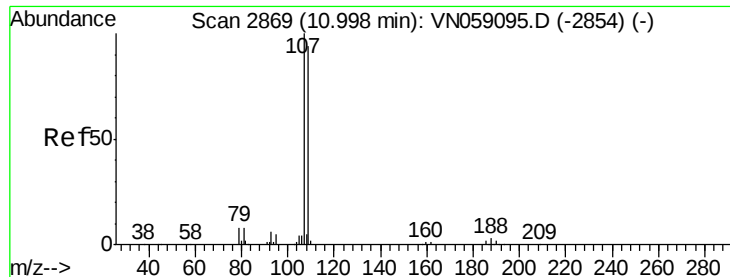
MMDadoda
11/20/2019 1:37:39 PM



#60
Dibromochloromethane
Concen: 48.618 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion: 129 Resp: 234995
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





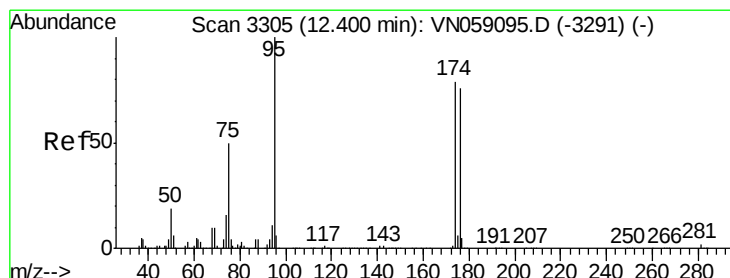
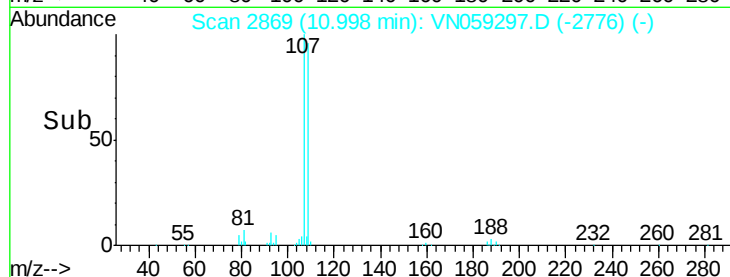
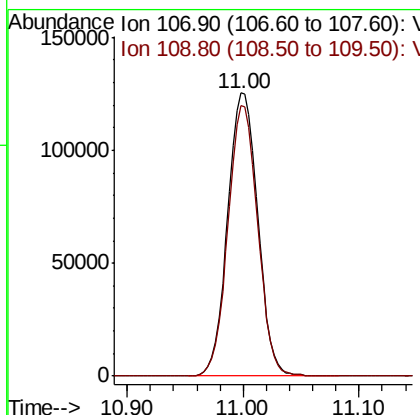
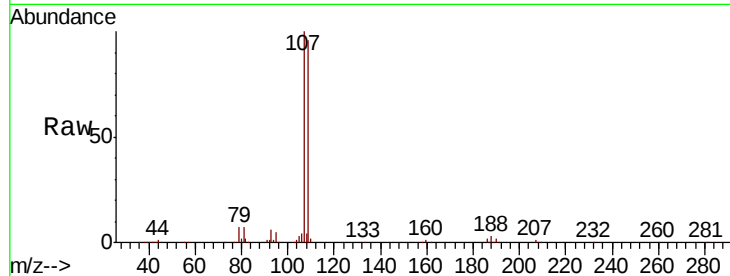
#61
 1,2-Dibromoethane
 Concen: 48.714 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.5	113.3

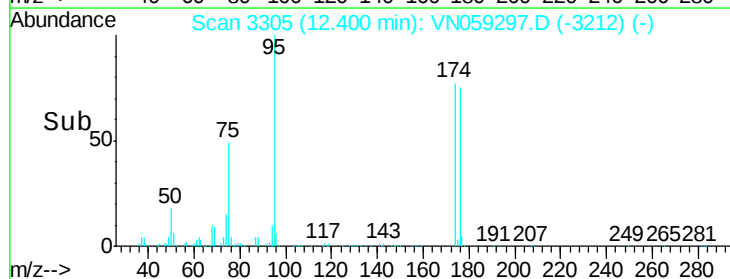
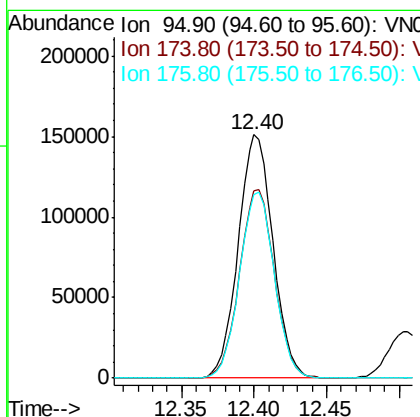
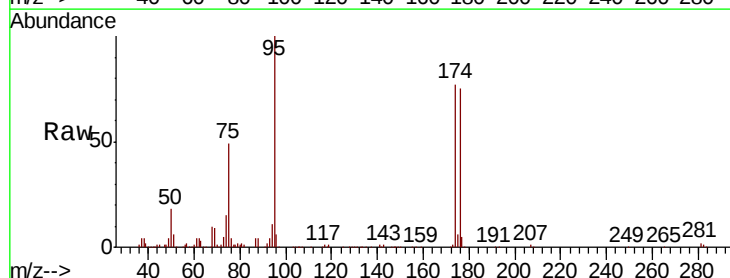
Manual Integrations
 APPROVED

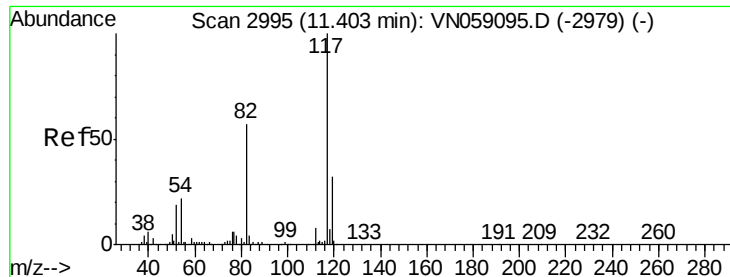
MMDadoda
 11/20/2019 1:37:39 PM



#62
 4-Bromofluorobenzene
 Concen: 44.366 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	158.2
176	76.7	0.0	151.8





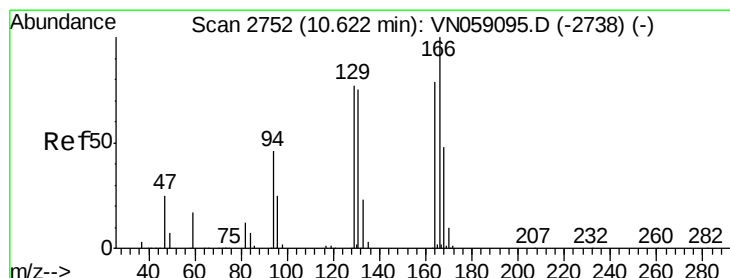
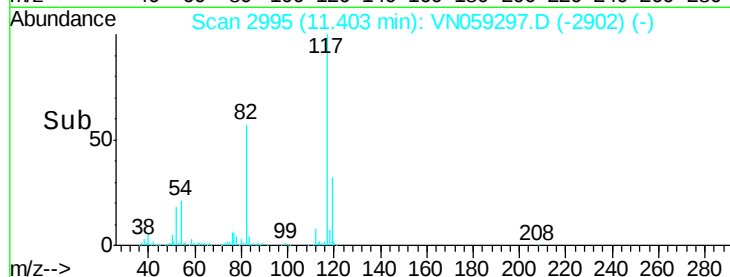
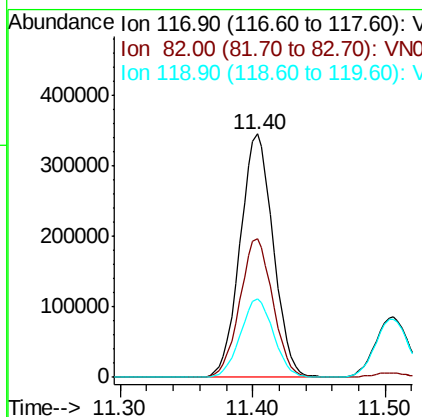
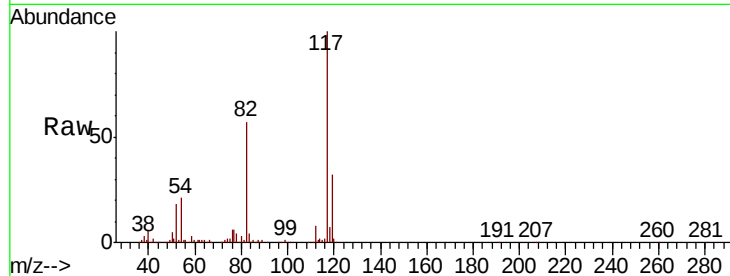
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	598419		
82	56.8		45.8	68.8
119	32.4		25.8	38.6

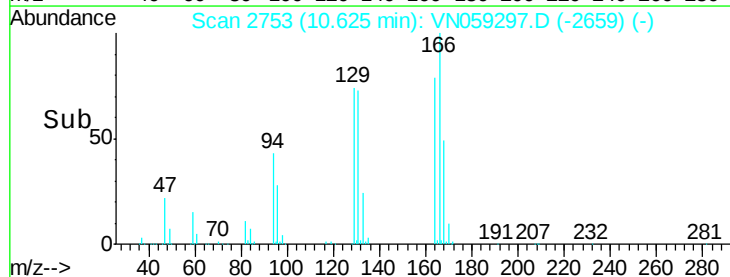
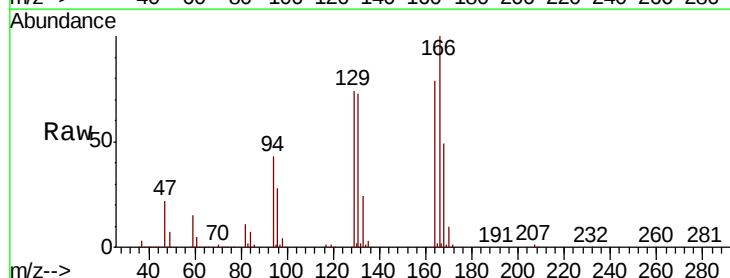
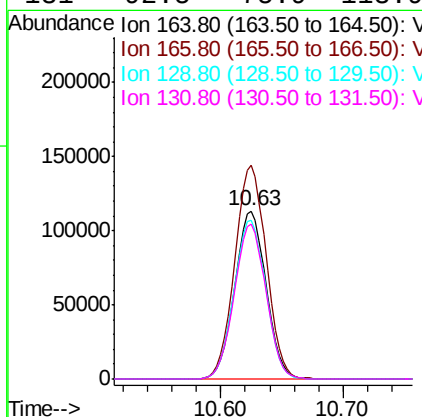
Manual Integrations
APPROVED

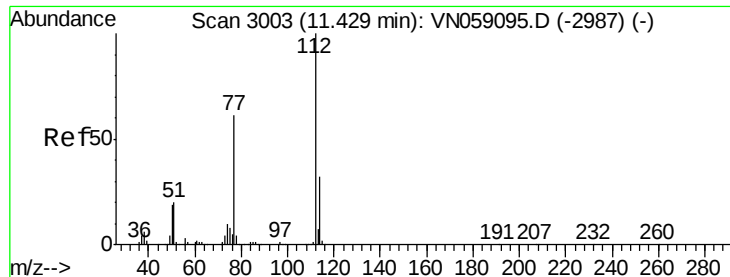
MMDadoda
11/20/2019 1:37:39 PM



#64
Tetrachloroethene
Concen: 49.427 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	201125		
166	127.3		101.5	152.3
129	94.4		78.3	117.5
131	92.5		75.9	113.9





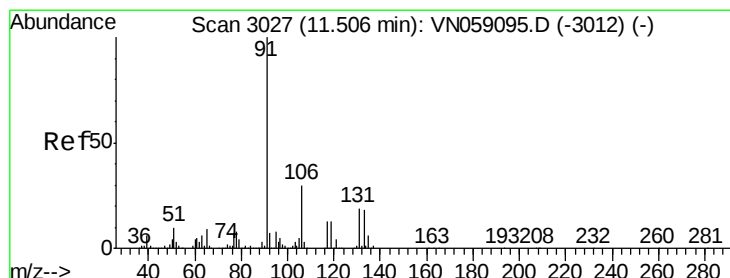
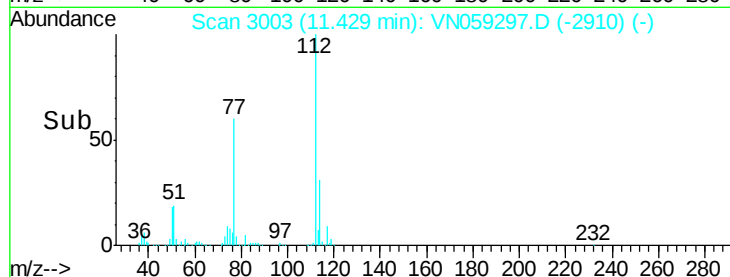
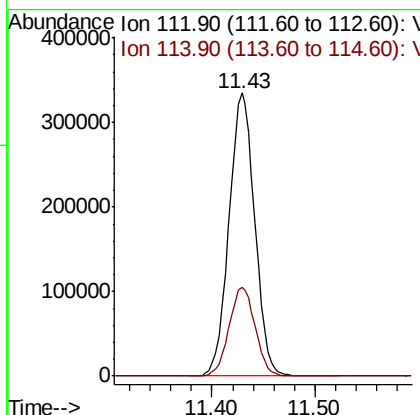
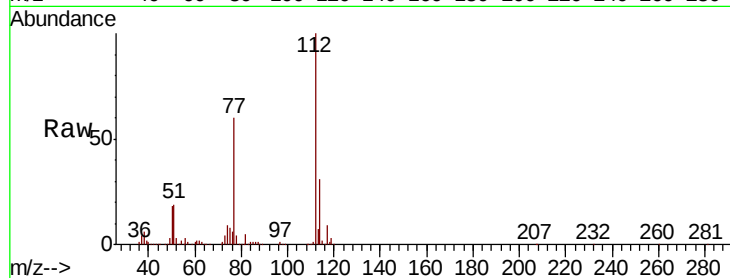
#65
Chlorobenzene
Concen: 49.853 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.2	37.8

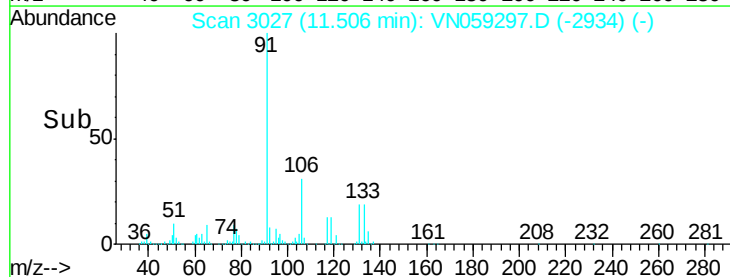
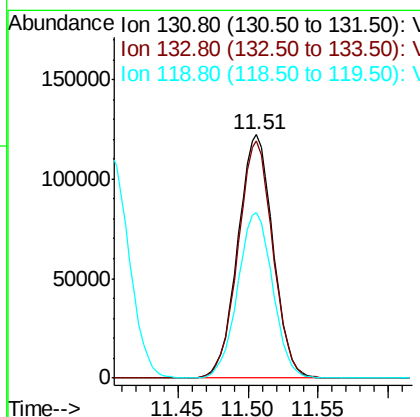
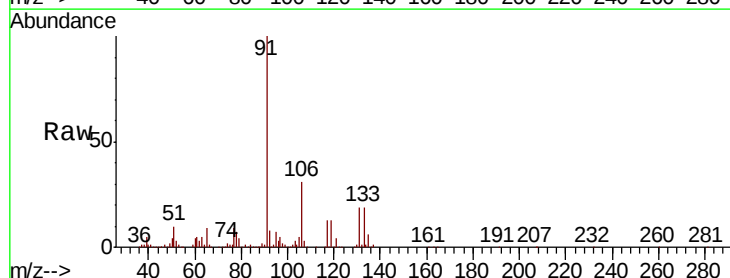
Manual Integrations
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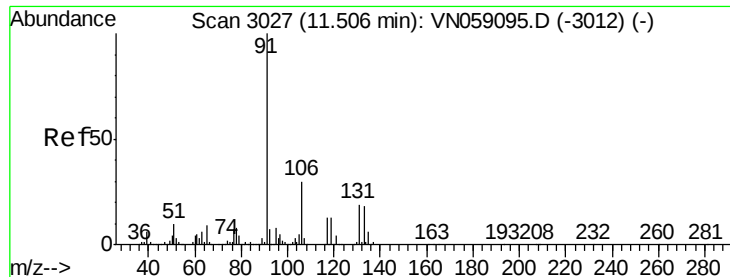
MMDadoda
11/20/2019 1:37:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.855 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.4	142.3
119	67.8	33.2	99.6





#67

Ethyl Benzene

Concen: 51.692 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1069875

Ion Ratio Lower Upper

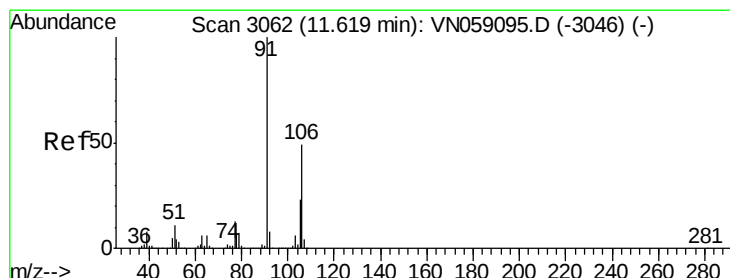
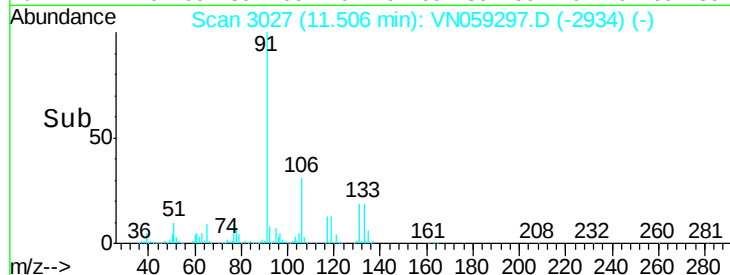
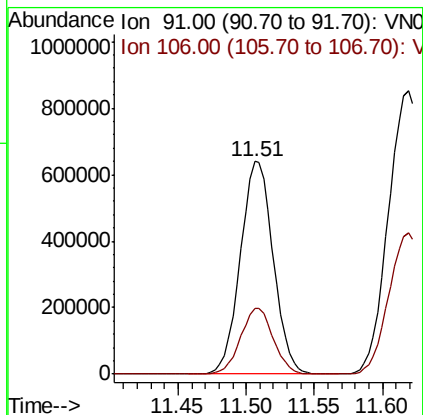
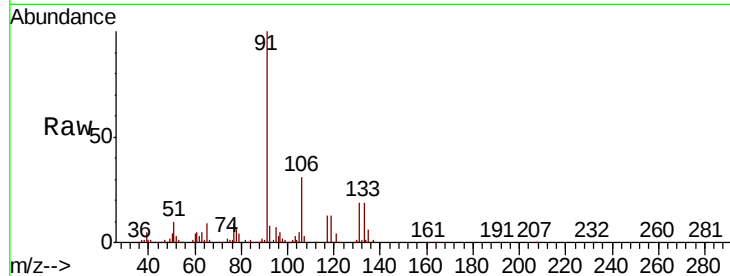
91 100

106 30.7 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 104.105 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059297.D

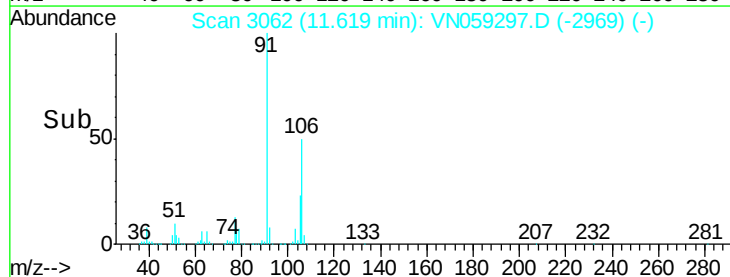
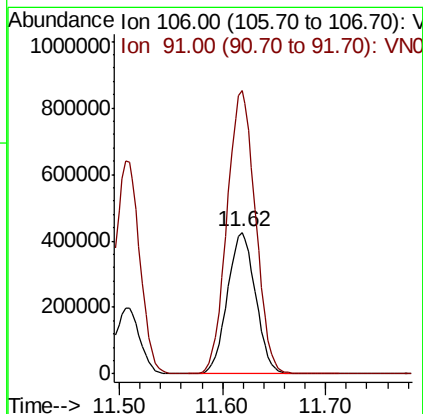
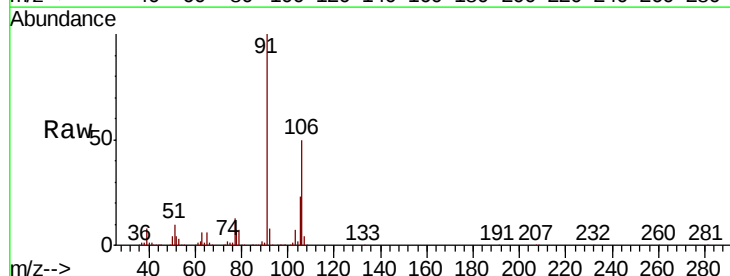
Acq: 19 Nov 2019 10:35

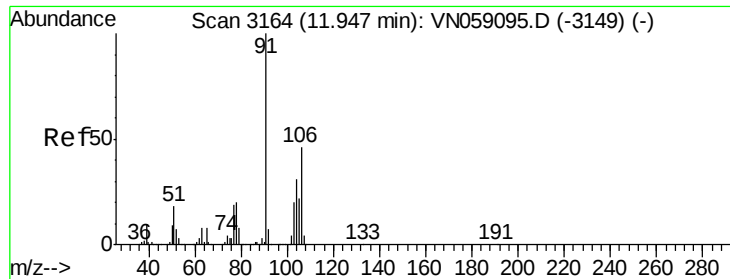
Tgt Ion: 106 Resp: 807124

Ion Ratio Lower Upper

106 100

91 202.9 164.7 247.1





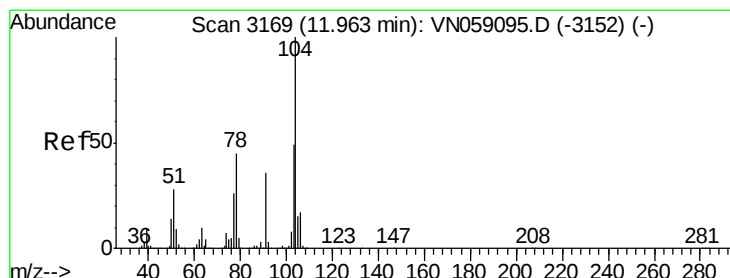
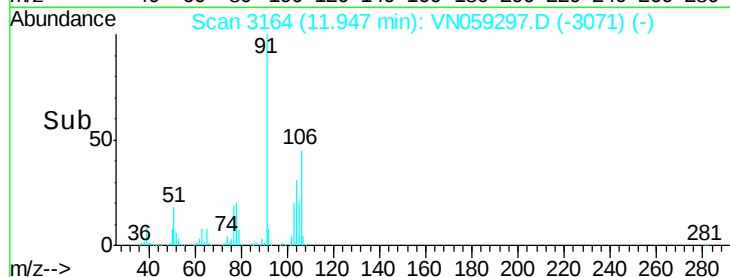
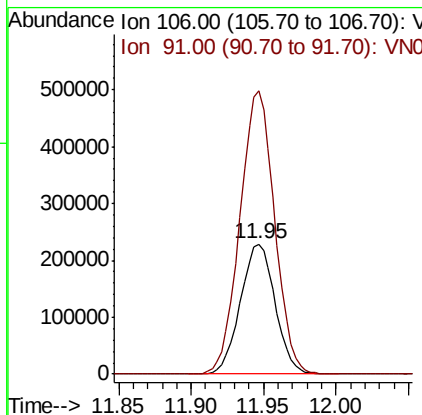
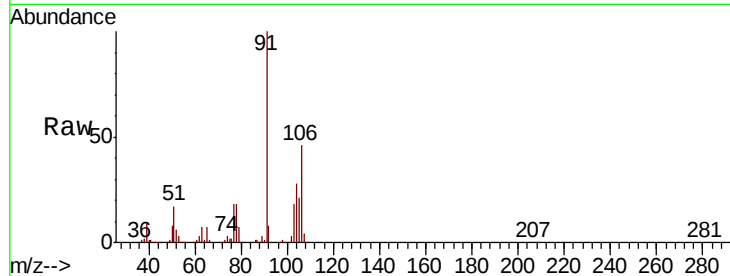
#69
o-Xylene
Concen: 50.938 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	381652		
91	91	216.8	110.1	330.3	

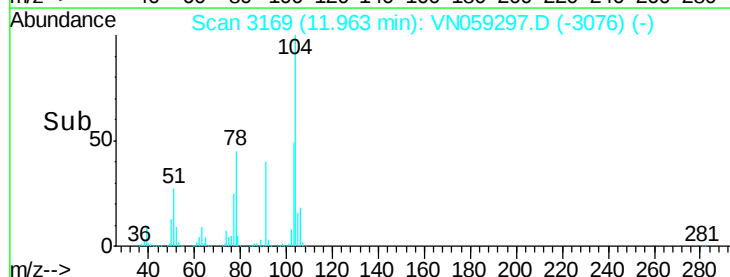
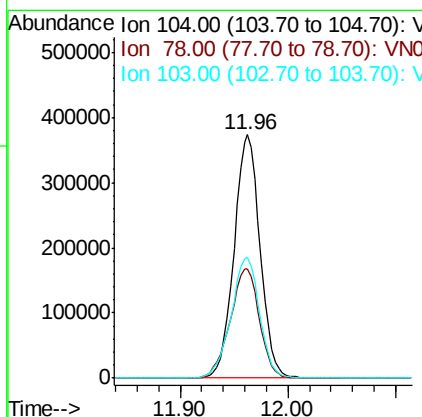
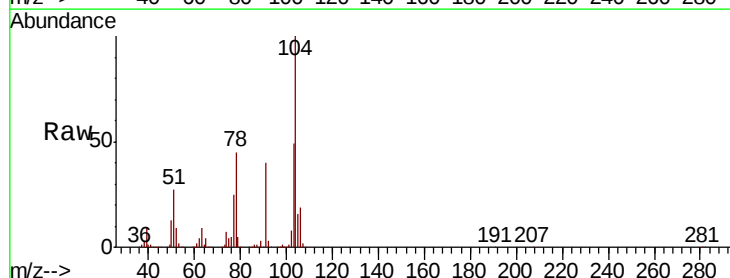
Manual Integrations
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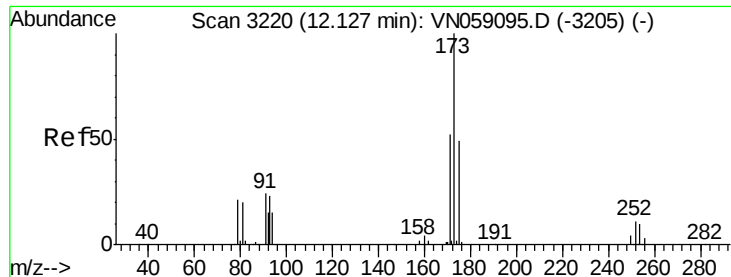
MMDadoda
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#70
Styrene
Concen: 53.281 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	627842		
78	78	50.6	41.2	61.8	
103	103	54.4	43.8	65.6	





#71

Bromoform

Concen: 48.686 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

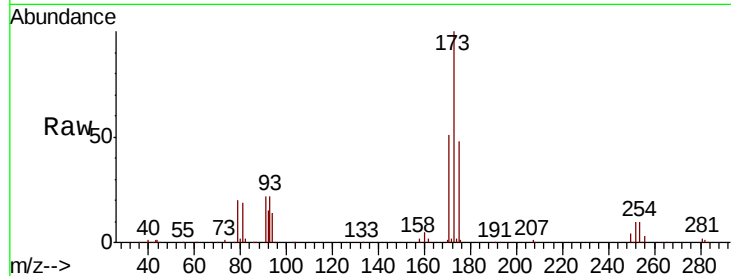
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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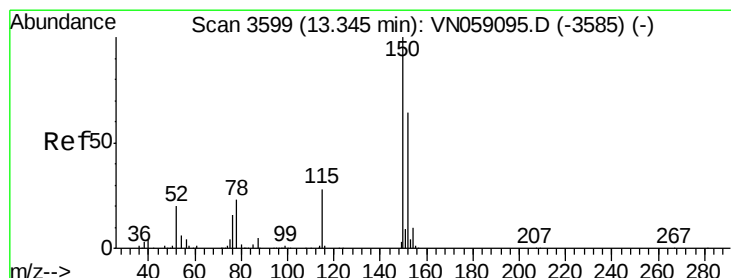
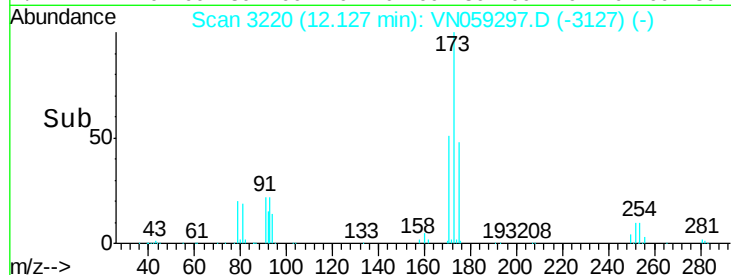
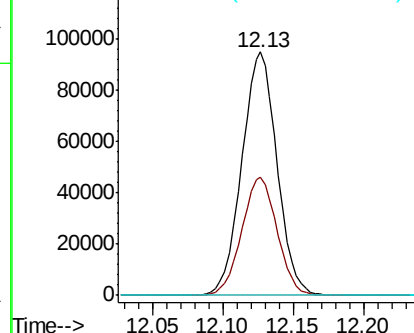


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

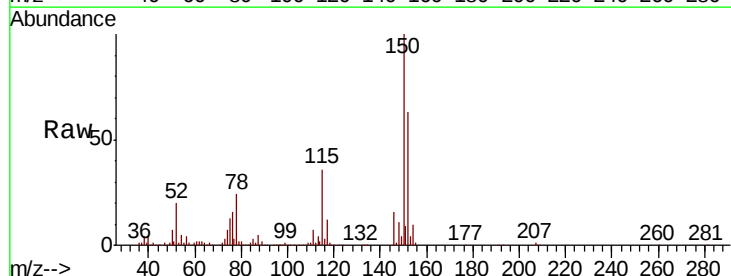
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.4	88.2
150	174.4	0.0	345.8

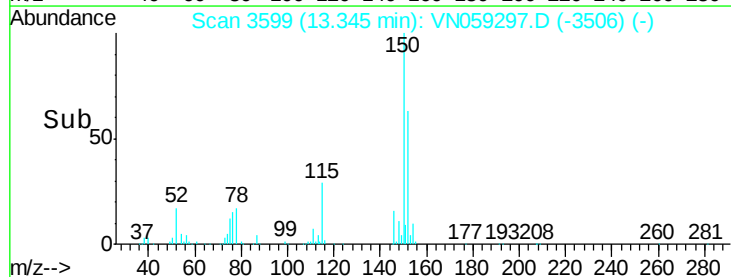
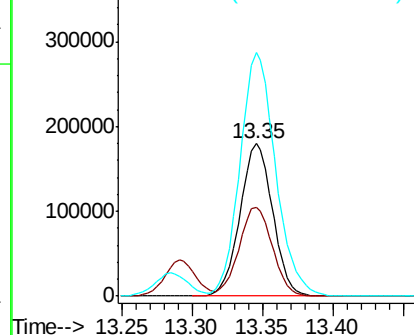


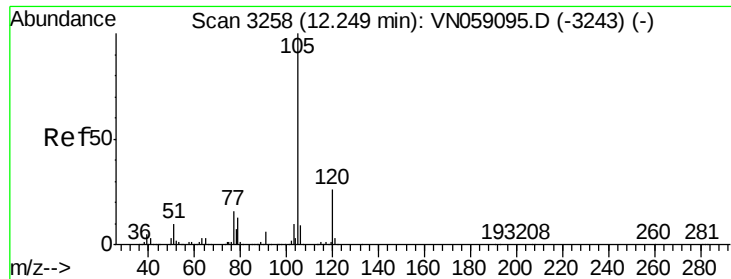
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.495 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1026511

Ion Ratio Lower Upper

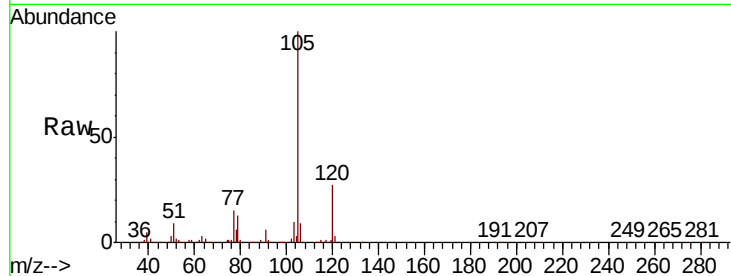
105 100

120 26.4 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

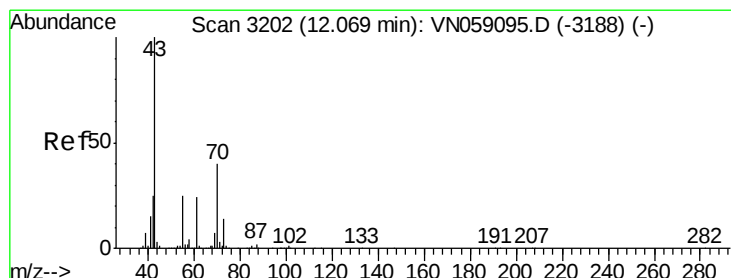
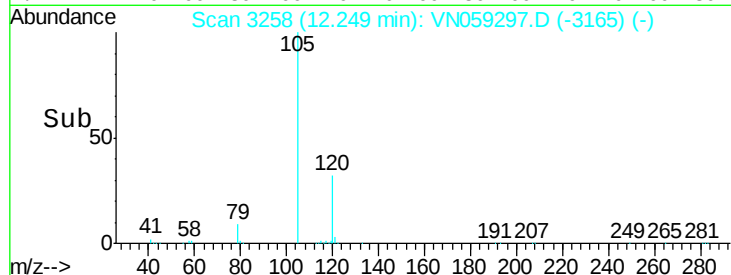
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 46.142 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion: 43 Resp: 413864

Ion Ratio Lower Upper

43 100

70 42.9 32.2 48.4

55 25.6 20.4 30.6

61 24.8 19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

400000

300000

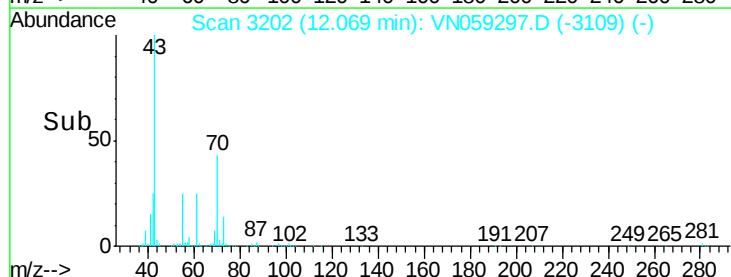
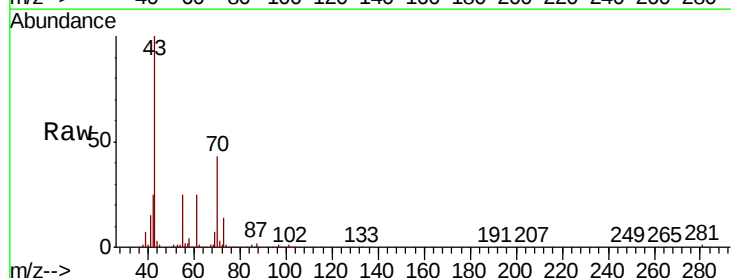
200000

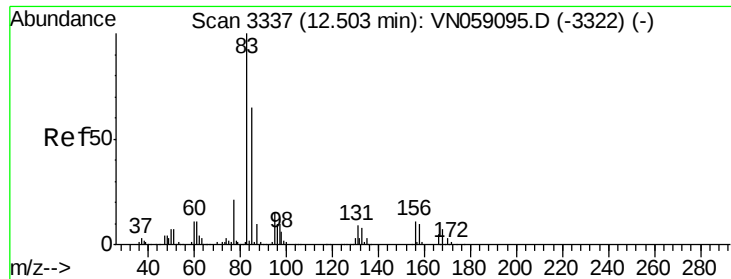
100000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 44.985 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

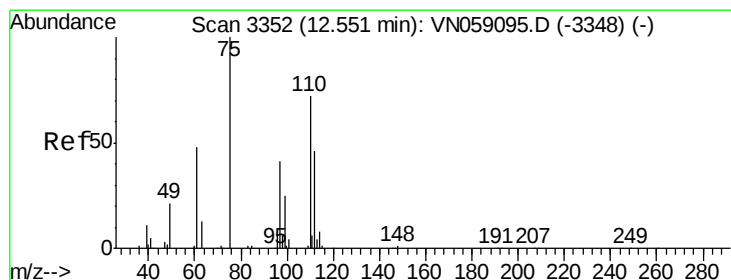
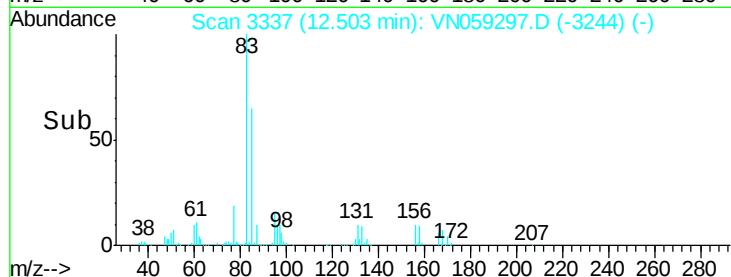
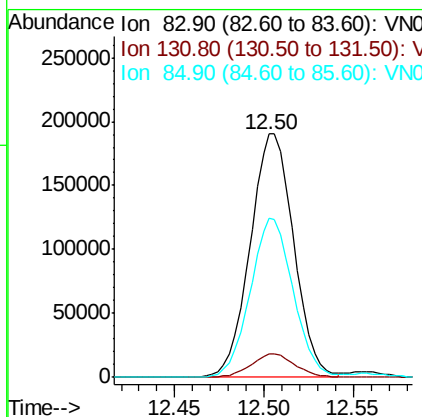
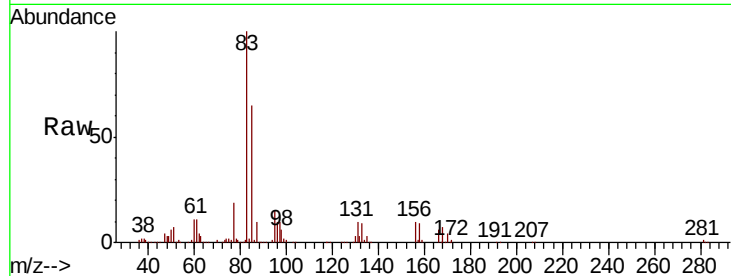
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	324269
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	64.6	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 43.264 ug/l m

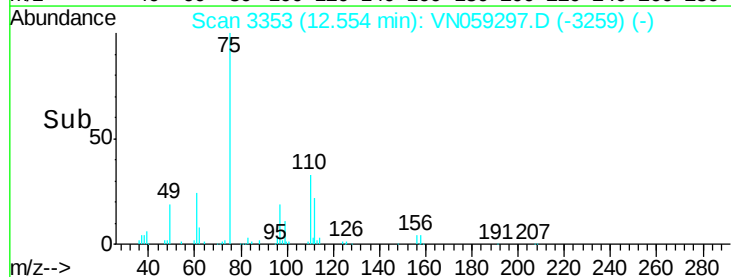
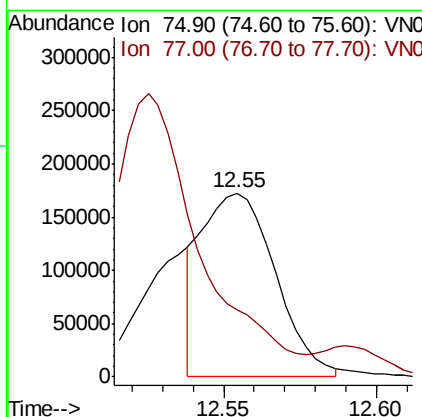
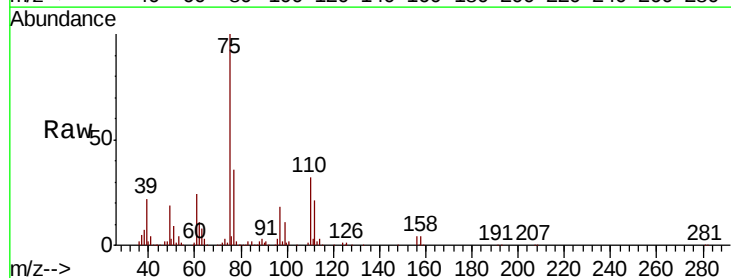
RT: 12.55 min Scan# 3353

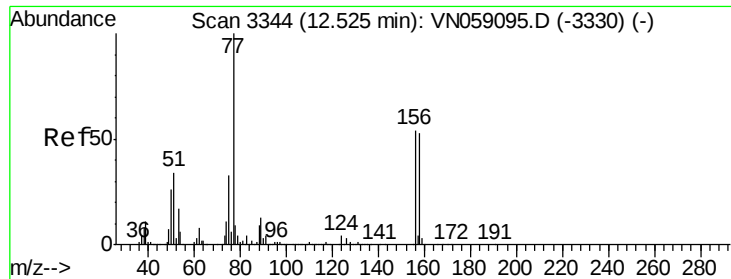
Delta R.T. 0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion:	75	Resp:	286628
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.037 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

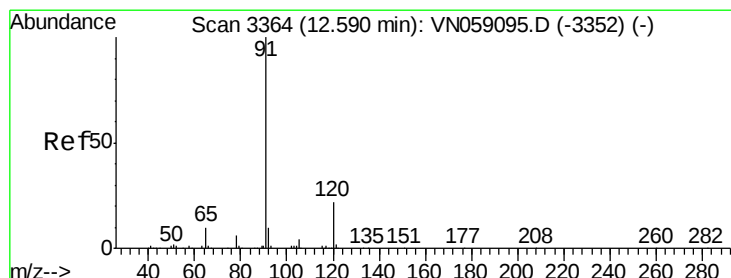
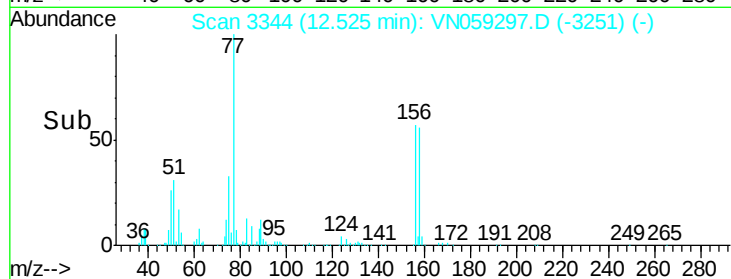
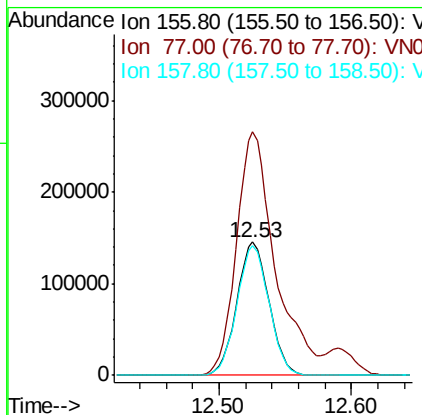
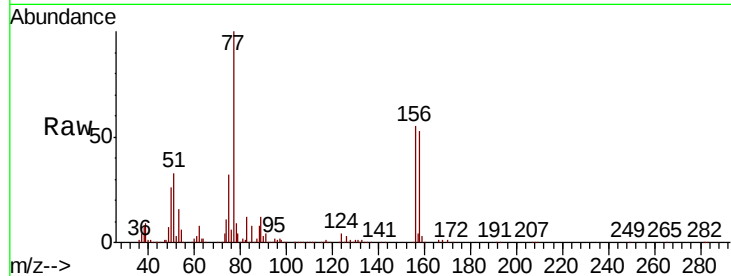
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.4	112.8	338.3
158	97.3	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 49.621 ug/l

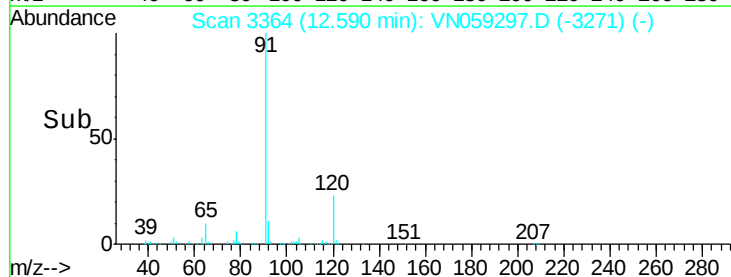
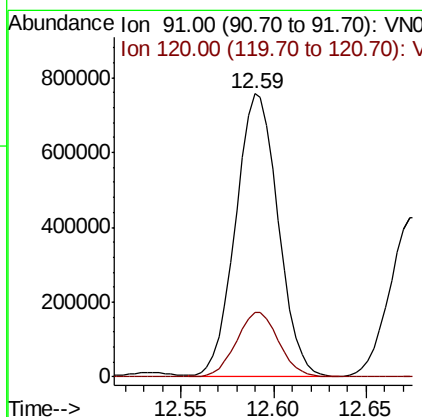
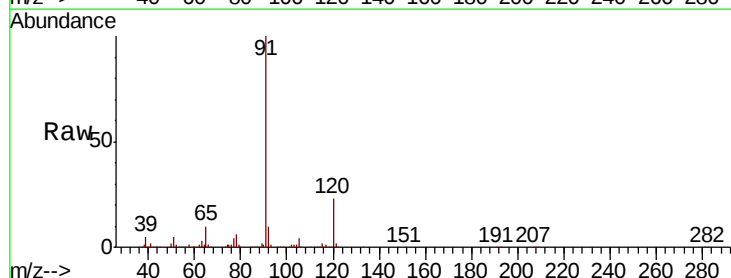
RT: 12.59 min Scan# 3364

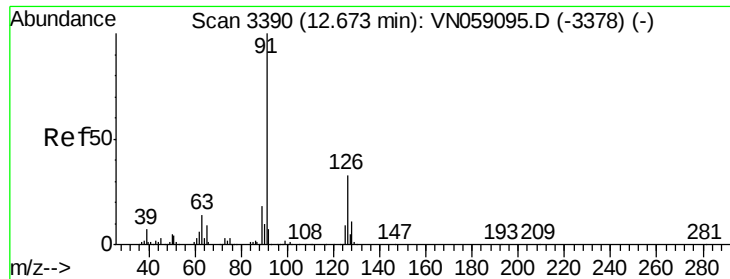
Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.5





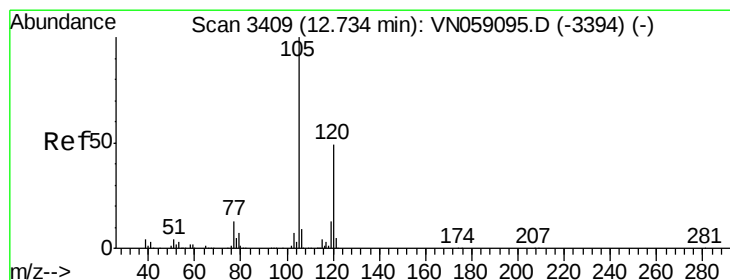
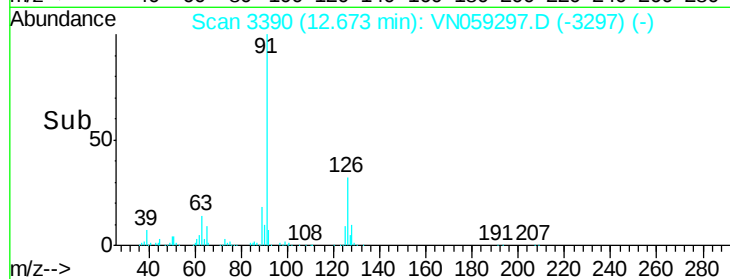
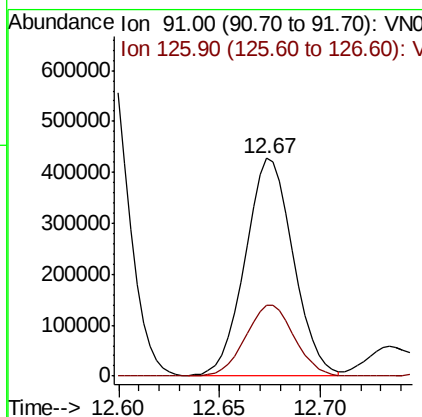
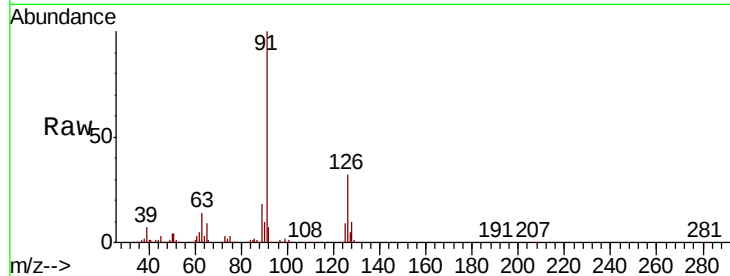
#79
 2-Chlorotoluene
 Concen: 47.089 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 707995
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.7 50.1

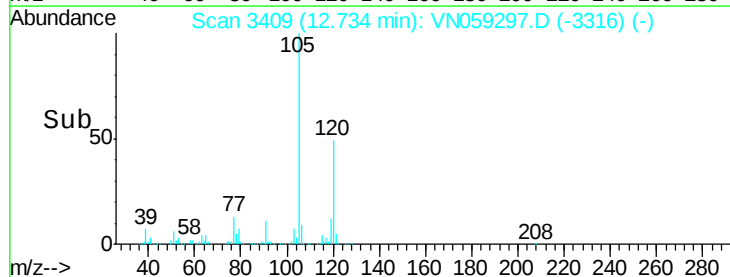
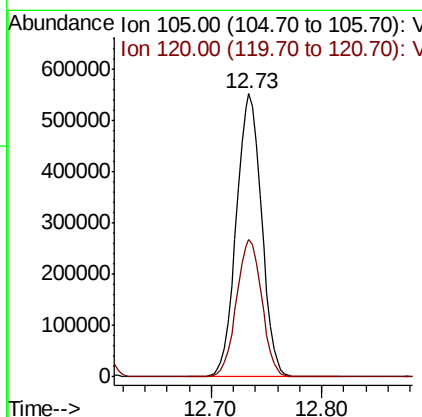
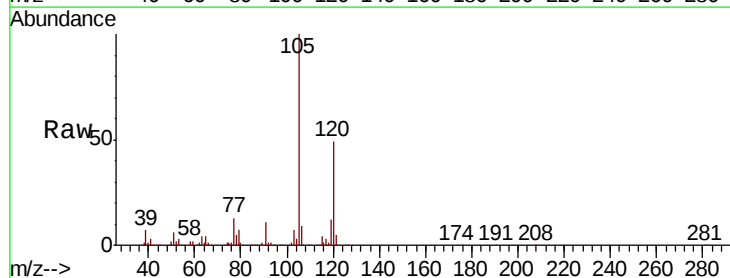
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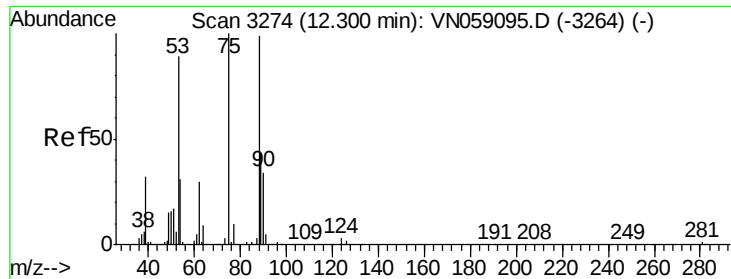
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.489 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion: 105 Resp: 869704
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.0 72.0





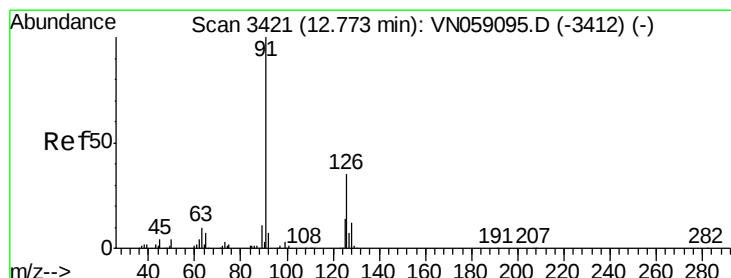
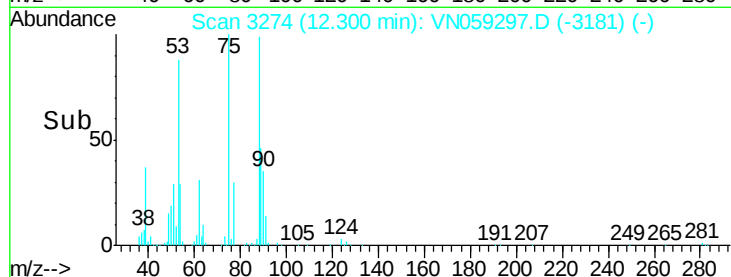
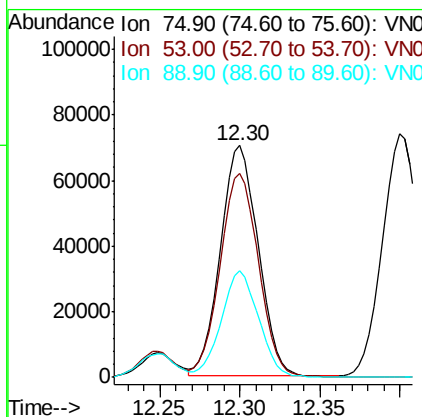
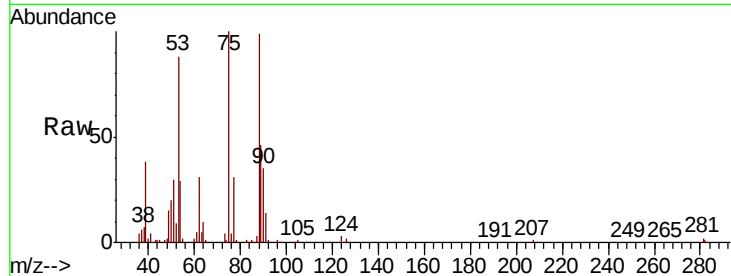
#81
trans-1,4-Dichloro-2-butene
Concen: 45.427 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.3	72.2	108.2
89	45.7	35.8	53.8

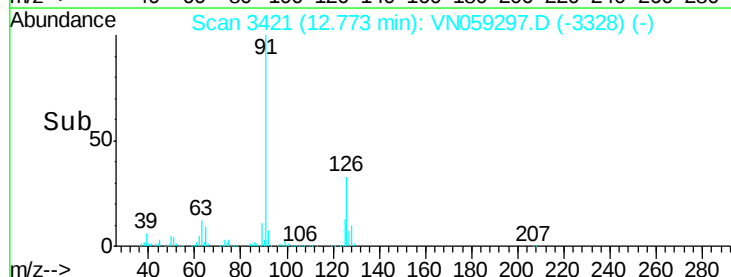
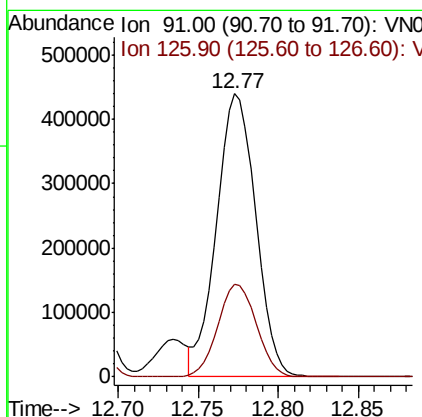
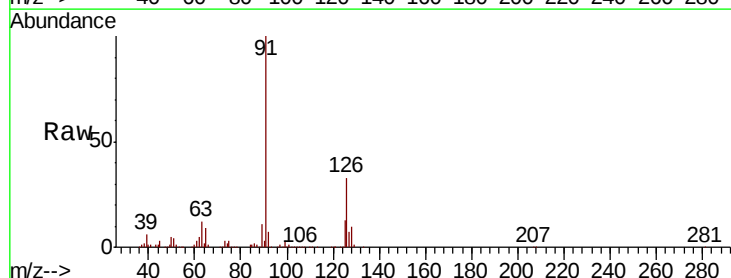
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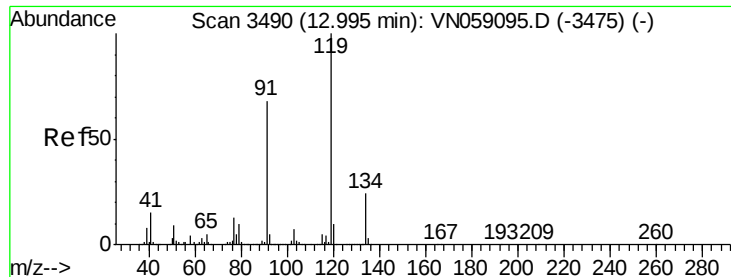
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#82
4-Chlorotoluene
Concen: 48.723 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.2





#83

tert-Butylbenzene

Concen: 47.788 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

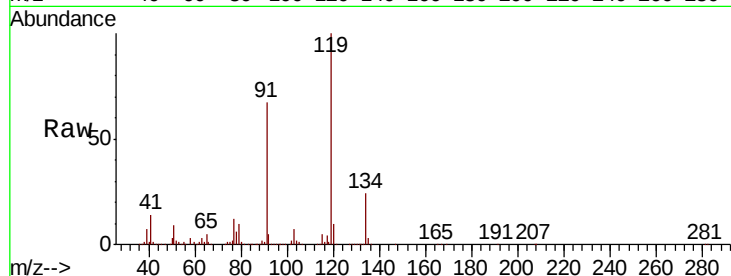
ClientSampleId :

VSTDCCC050

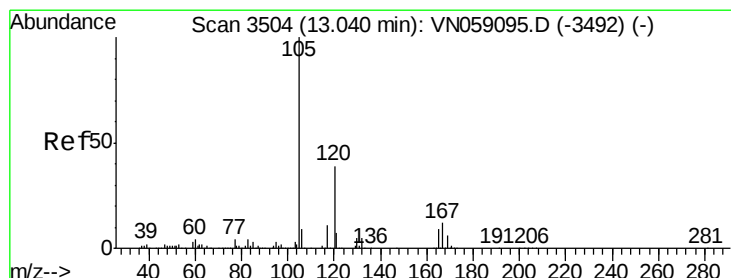
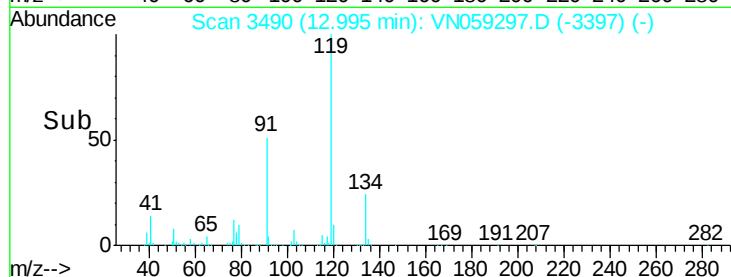
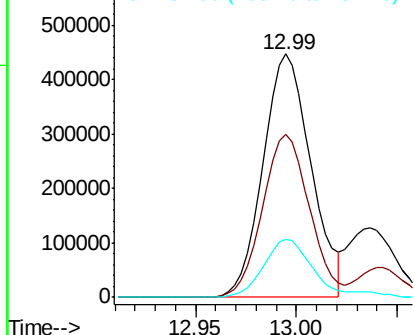
Tot Ion:	119	Resp:	740202
Ion Ratio	Lower	Upper	
119	100		
91	65.5	33.2	99.6
134	25.3	12.7	38.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.596 ug/l

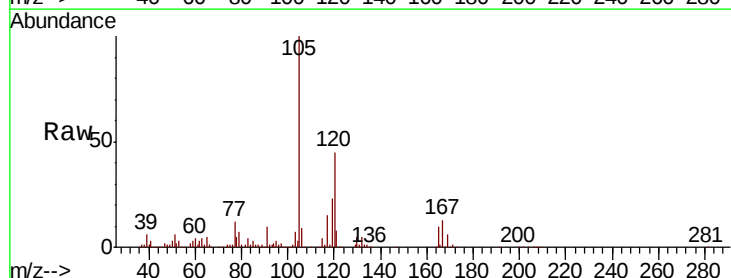
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

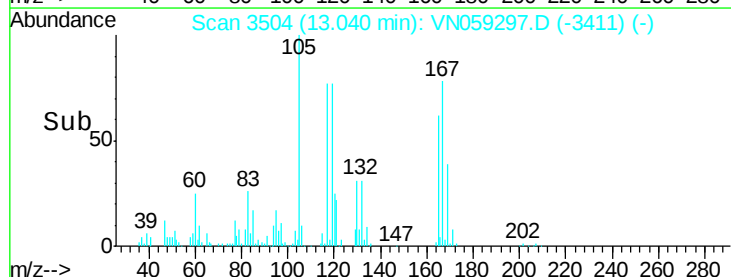
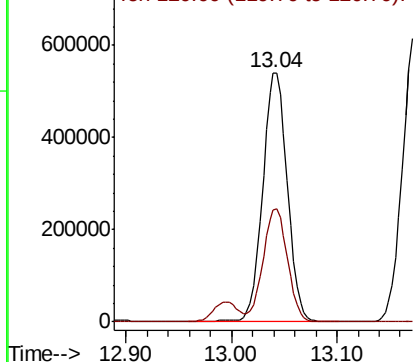
Lab File: VN059297.D

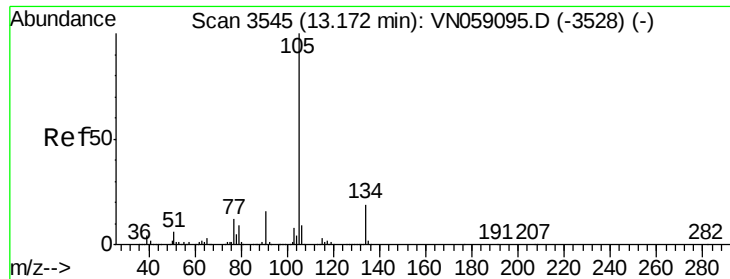
Acq: 19 Nov 2019 10:35

Tgt Ion:	105	Resp:	878005
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





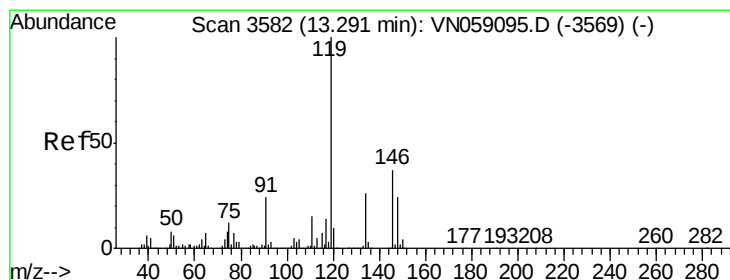
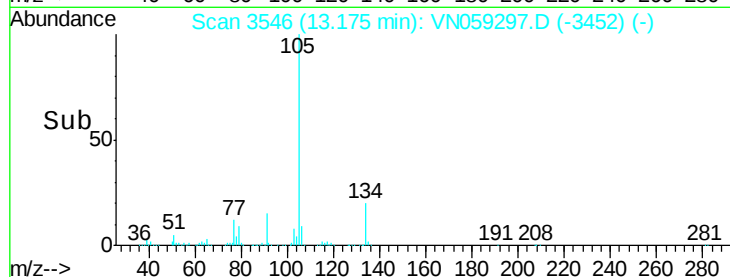
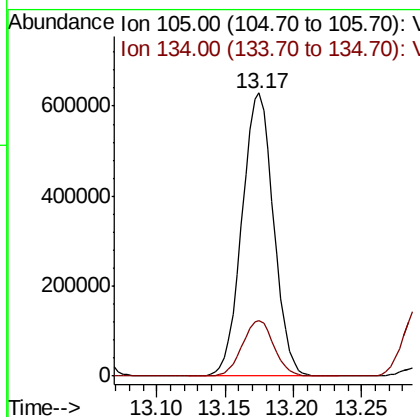
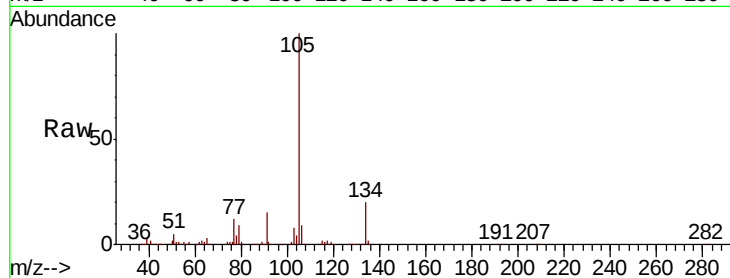
#85
 sec-Butylbenzene
 Concen: 49.980 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1006812
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 29.1

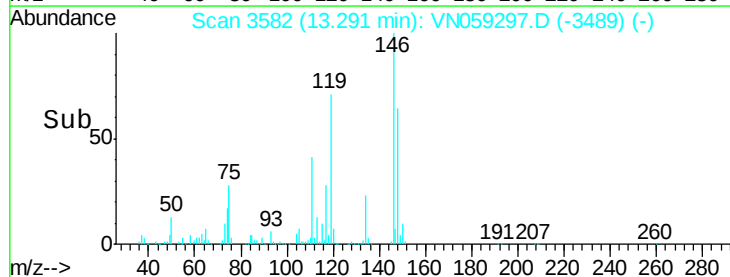
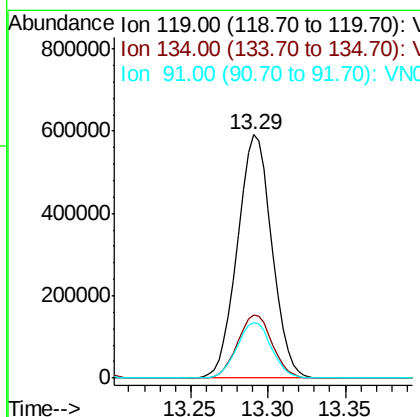
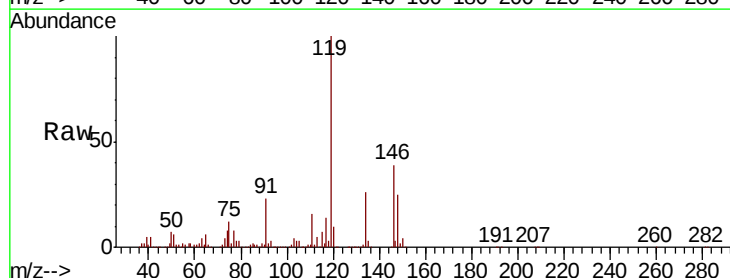
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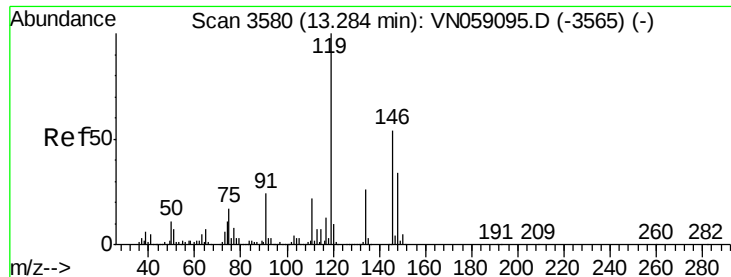
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#86
 p-Isopropyltoluene
 Concen: 51.329 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion:119 Resp: 912986
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 38.9
 91 23.0 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 48.458 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059297.D

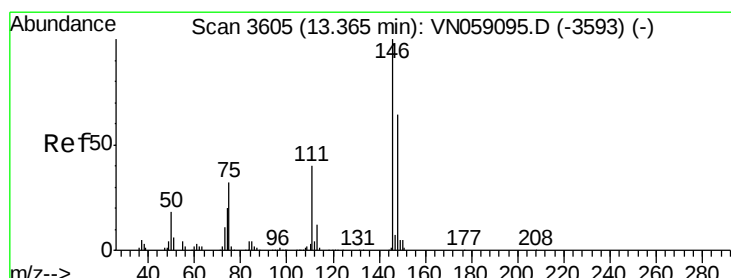
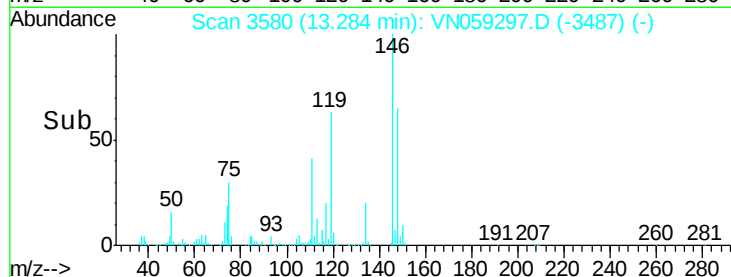
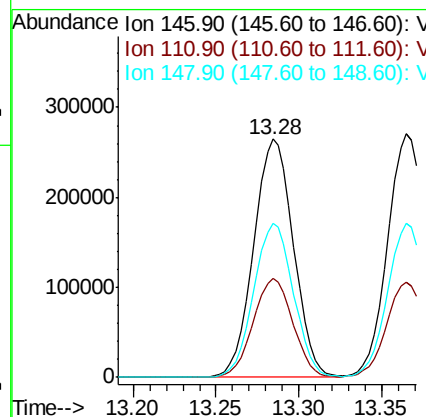
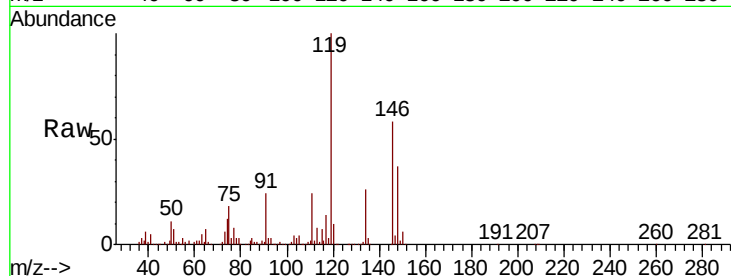
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.3
148	64.5	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.110 ug/l

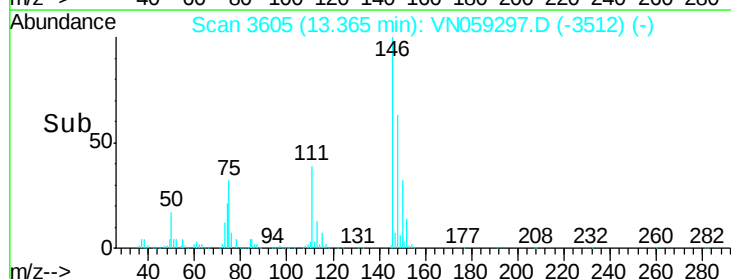
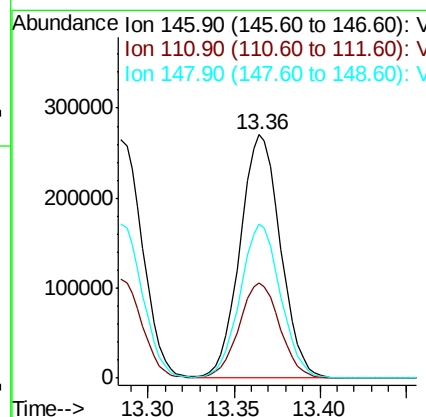
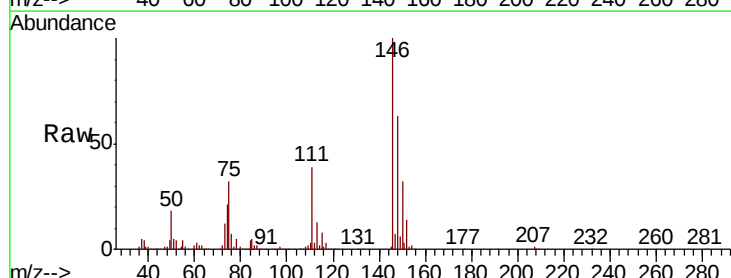
RT: 13.36 min Scan# 3605

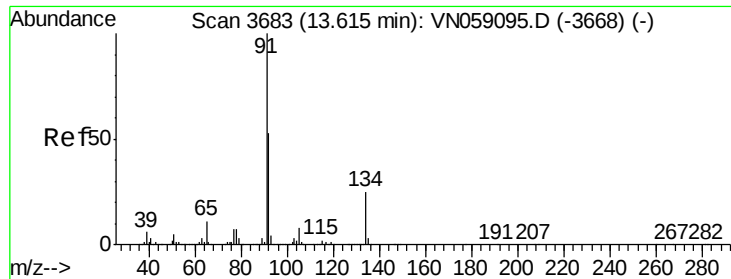
Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.9
148	63.7	31.9	95.7





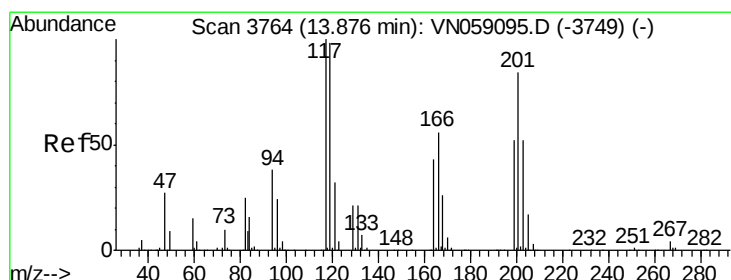
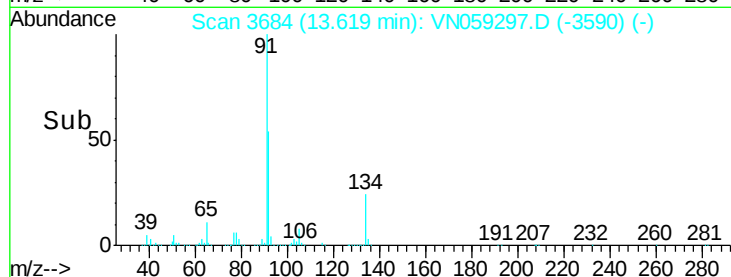
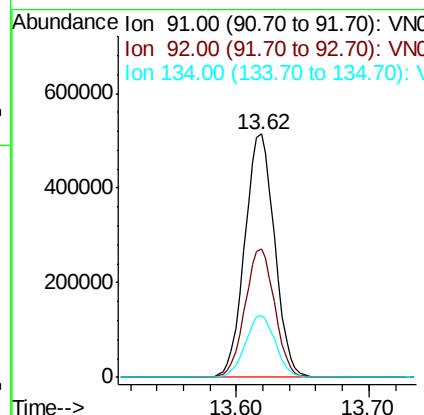
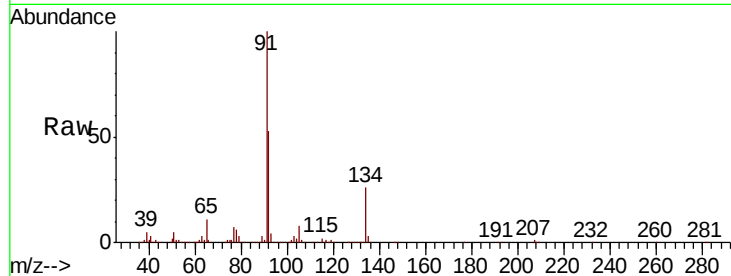
#89
n-Butylbenzene
Concen: 51.467 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.3
134	25.6	12.6	37.8

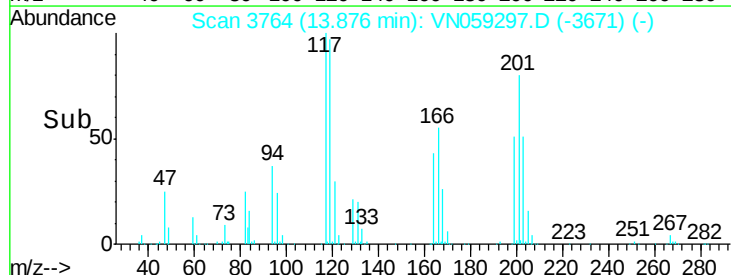
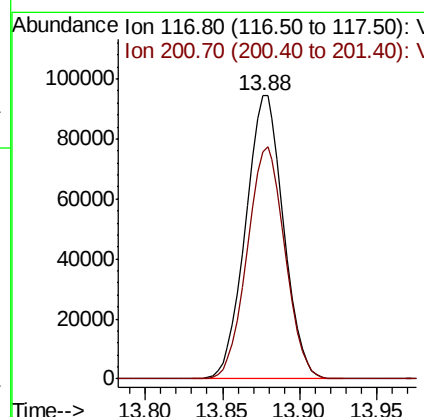
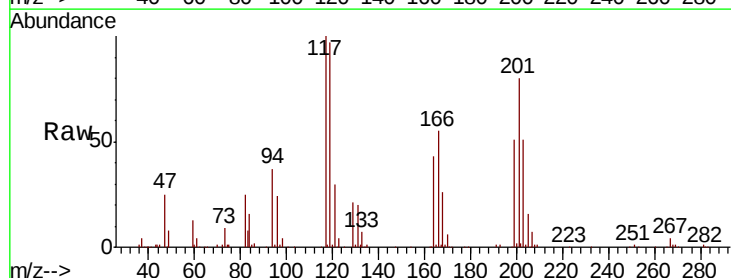
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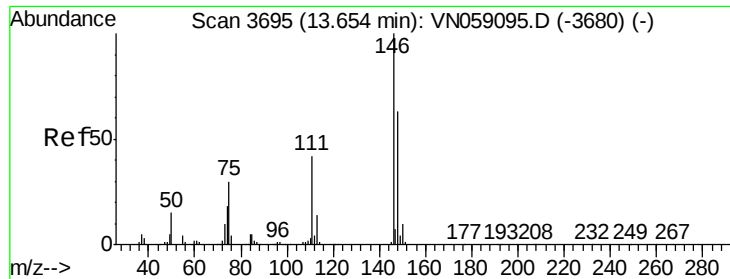
MMDadoda
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#90
Hexachloroethane
Concen: 45.101 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059297.D
Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	41.8	125.3





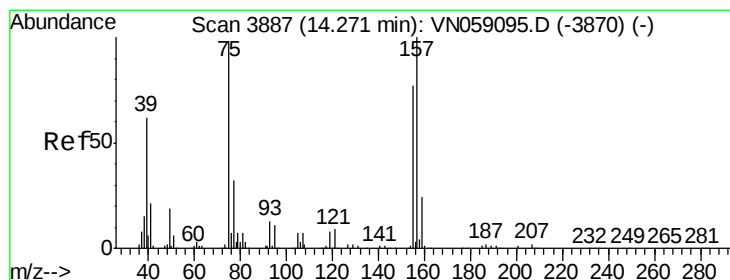
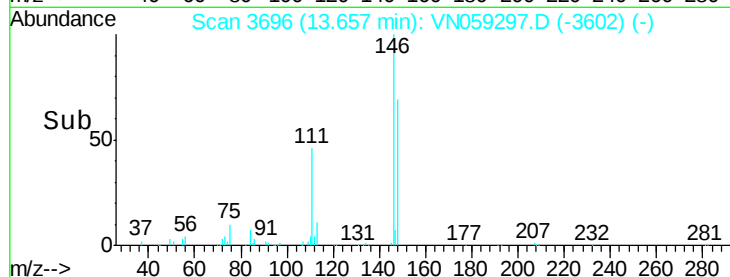
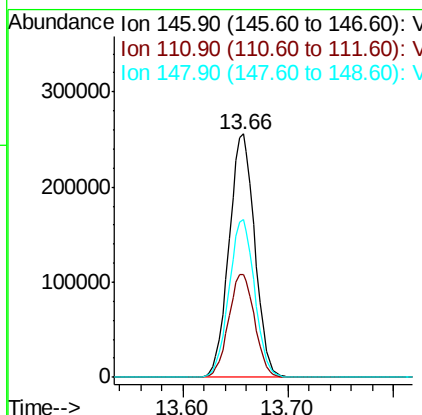
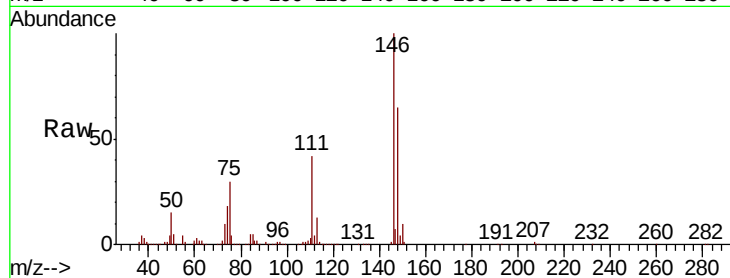
#91
 1,2-Dichlorobenzene
 Concen: 47.979 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.2	63.6
148	64.7	31.6	94.7

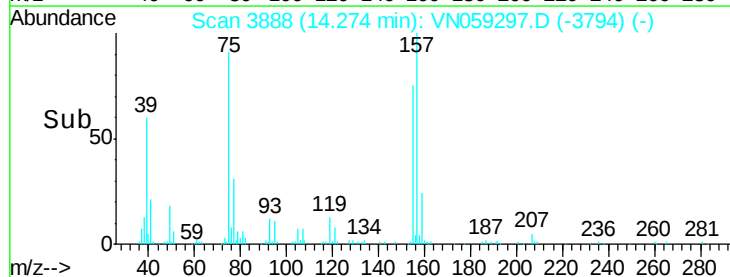
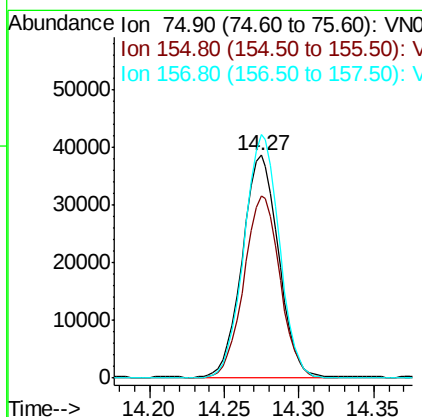
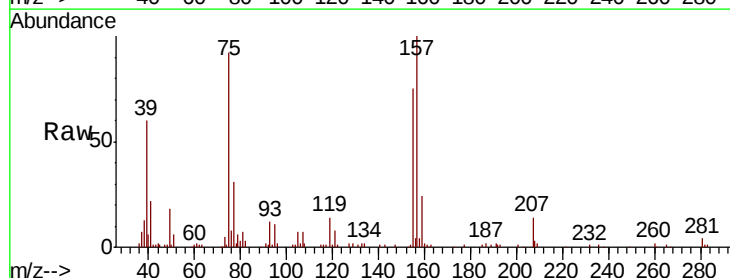
Manual Integrations
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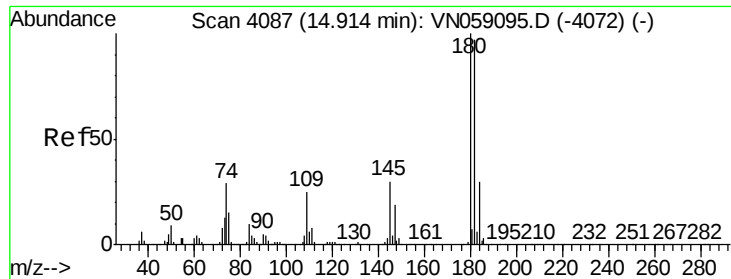
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.783 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	40.2	120.6
157	105.2	51.8	155.5





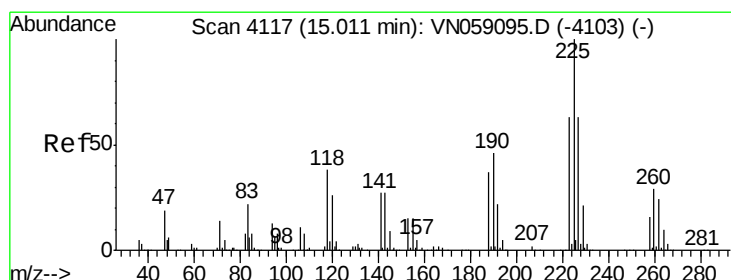
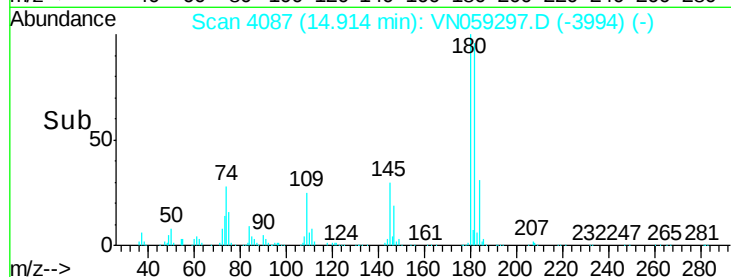
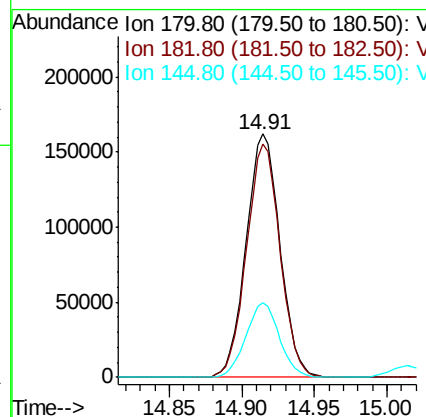
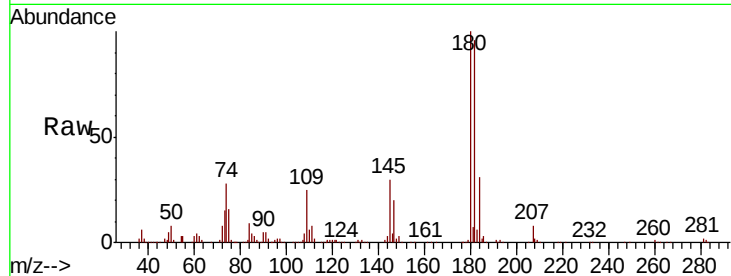
#93
 1,2,4-Trichlorobenzene
 Concen: 48.461 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	262851		
182	95.0	48.1	144.3	
145	30.5	15.1	45.3	

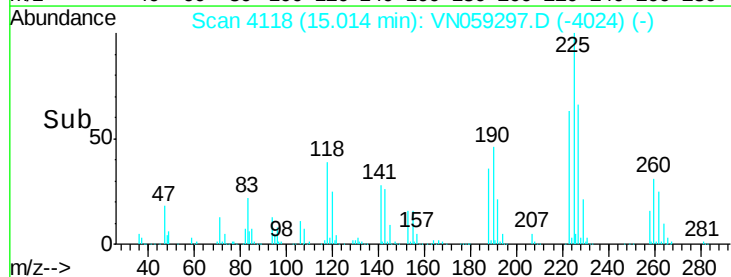
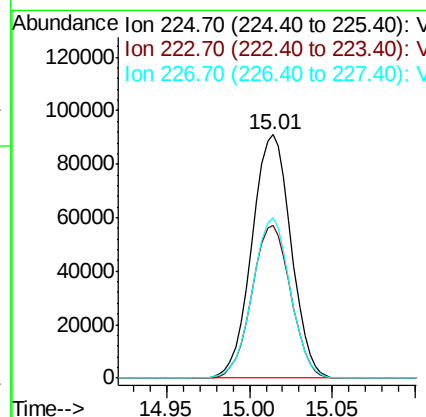
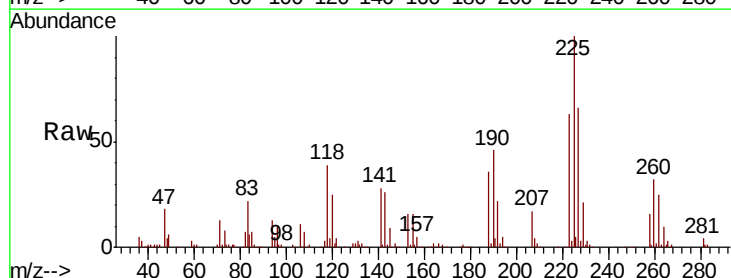
Manual Integrations
 APPROVED

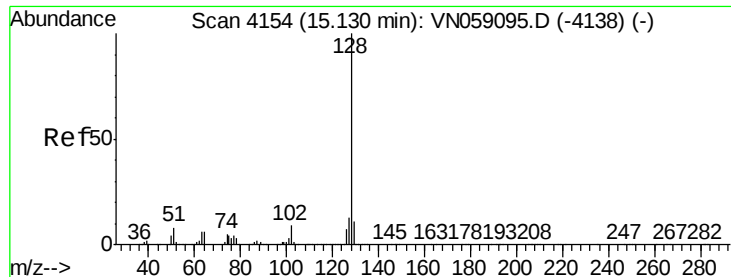
MMDadoda
 11/20/2019 1:37:39 PM



#94
 Hexachlorobutadiene
 Concen: 48.294 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059297.D
 Acq: 19 Nov 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149176		
223	62.2	31.3	93.9	
227	63.9	31.5	94.5	





#95

Naphthalene

Concen: 46.574 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_N

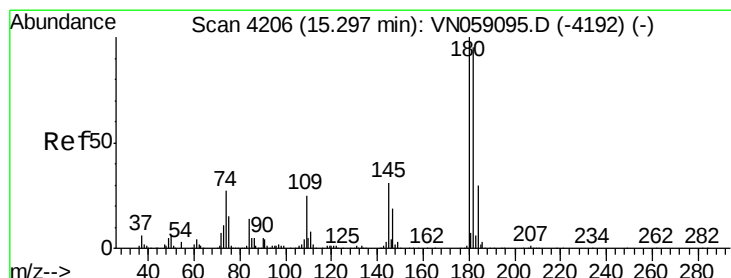
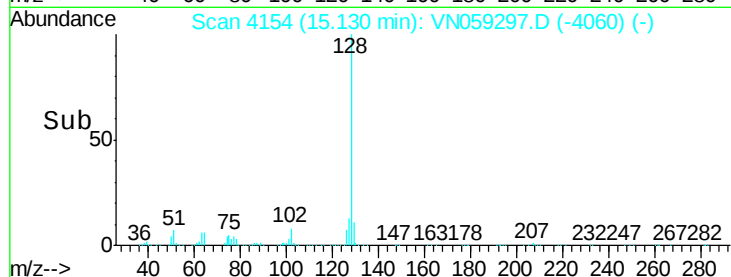
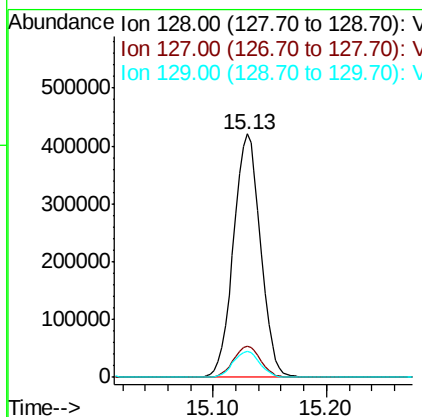
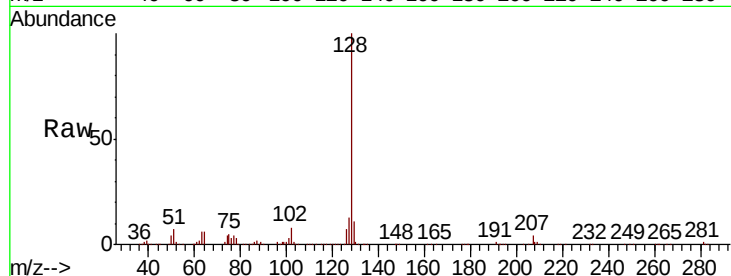
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	698966
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.293 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059297.D

Acq: 19 Nov 2019 10:35

Tgt Ion:	180	Resp:	262535
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.3	141.8
145	31.9	15.8	47.3

