

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
 Data File : VN058348.D
 Acq On : 24 Sep 2019 16:09
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 8:24:19 AM

Quant Time: Sep 25 02:04:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	81343	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	481656	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	421536	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	219632	30.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.80%
60) 4-Bromofluorobenzene	12.41	95	215881	29.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.67%
63) Toluene-d8	10.08	98	610400	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	99005	20.240 ug/l	96
3) Chloromethane	2.04	50	113171	20.037 ug/l	98
4) Vinyl Chloride	2.17	62	114657	20.344 ug/l	95
5) Bromomethane	2.55	94	61461	20.084 ug/l	99
6) Chloroethane	2.69	64	67401	20.236 ug/l	93
7) Trichlorofluoromethane	3.00	101	132918	20.030 ug/l	99
8) Diethyl Ether	3.39	74	59599	20.203 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92200	20.184 ug/l	99
10) 1,1-Dichloroethene	3.72	96	87893	19.683 ug/l	99
11) Methyl Iodide	3.93	142	92348	20.170 ug/l	97
12) Methyl Acetate	4.30	43	118129	19.862 ug/l	97
13) Acrolein	3.60	56	16553	97.877 ug/l	97
14) Acrylonitrile	4.96	53	244618	99.611 ug/l	100
15) Acetone	3.80	58	71104	104.424 ug/l	93
16) Carbon Disulfide	4.03	76	237464	19.135 ug/l	98
17) Allyl chloride	4.30	41	161407	19.351 ug/l	91
18) Methylene Chloride	4.53	84	107176	20.346 ug/l	95
19) trans-1,2-Dichloroethene	5.02	96	97077	19.391 ug/l	96
20) Diisopropyl ether	5.93	45	352736	19.847 ug/l	98
21) 1,1-Dichloroethane	5.83	63	199196	20.029 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	115022	19.780 ug/l	99
23) tert-Butyl Alcohol	4.76	59	87881	96.939 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	318700	19.883 ug/l	100
25) Chloroform	7.36	83	197952	19.656 ug/l	99
26) Cyclohexane	7.64	56	182352	19.617 ug/l	# 100
29) 1,1-Dichloropropene	7.78	75	151914	19.322 ug/l	98
30) 2-Butanone	6.82	43	350970	98.313 ug/l	99
31) 2,2-Dichloropropane	6.81	77	157268	19.430 ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	165443	19.510 ug/l	99
33) Carbon Tetrachloride	7.76	117	138595	19.237 ug/l	98
34) Benzene	8.03	78	440351	19.744 ug/l	98
35) Methacrylonitrile	7.16	41	57208	18.631 ug/l	95
36) 1,2-Dichloroethane	8.11	62	169583	19.410 ug/l	100
37) Trichloroethene	8.82	130	107784	19.304 ug/l	99
38) Methylcyclohexane	9.07	83	182156	19.160 ug/l	98
39) 1,2-Dichloropropane	9.11	63	119781	19.689 ug/l	99
40) Dibromomethane	9.20	93	76200	19.846 ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	144368	19.023	ug/l	98
42) Vinyl Acetate	5.87	43	1455781	106.803	ug/l	99
43) Ethyl Acetate	6.91	43	143921	20.305	ug/l	99
44) Isopropyl Acetate	8.15	43	238124	18.767	ug/l	99
45) 1,4-Dioxane	9.19	88	41448	387.210	ug/l	96
46) Methyl methacrylate	9.19	41	116300	19.340	ug/l	97
47) n-amyl Acetate	12.08	43	198528	17.975	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	154900	18.679	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	177523	19.227	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	103626	19.311	ug/l	96
51) Ethyl methacrylate	10.43	69	158929	18.719	ug/l	99
52) 1,3-Dichloropropane	10.71	76	187851	19.711	ug/l	99
53) Dibromochloromethane	10.90	129	99607	18.477	ug/l	99
54) 1,2-Dibromoethane	11.00	107	104571	19.096	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	360080	100.161	ug/l	100
56) Bromoform	12.13	173	61628	18.124	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	716222	108.437	ug/l	99
59) 2-Hexanone	10.75	43	527017	105.545	ug/l	100
61) Tetrachloroethene	10.63	164	86583	19.606	ug/l	98
62) Toluene	10.15	91	475712	20.606	ug/l	99
64) Chlorobenzene	11.44	112	279428	19.696	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	96900	19.483	ug/l	99
66) Ethyl Benzene	11.51	91	521964	20.734	ug/l	100
67) m/p-Xylenes	11.62	106	382688	39.596	ug/l	100
68) o-Xylene	11.95	106	186420	19.837	ug/l	99
69) Styrene	11.97	104	304064	19.348	ug/l	98
70) Isopropylbenzene	12.25	105	504296	20.707	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	152094	19.650	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	136401m	20.491	ug/l	
73) Bromobenzene	12.53	156	113462	19.235	ug/l	97
74) n-propylbenzene	12.60	91	593721	21.147	ug/l	100
75) 2-Chlorotoluene	12.68	91	352117	20.049	ug/l	98
76) 1,3,5-Trimethylbenzene	12.74	105	427932	20.407	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	37985	17.493	ug/l	98
78) 4-Chlorotoluene	12.78	91	354450	19.692	ug/l	100
79) tert-butylbenzene	13.00	119	364792	20.092	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	423277	20.222	ug/l	99
81) sec-Butylbenzene	13.18	105	495160	20.793	ug/l	100
82) p-Isopropyltoluene	13.30	119	436356	20.348	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	205905	18.920	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	206406	19.056	ug/l	100
85) n-Butylbenzene	13.62	91	394691	19.810	ug/l	99
86) Hexachloroethane	13.88	117	64001	18.477	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	201968	19.005	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.28	75	27585	18.260	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	128541	18.514	ug/l	98
90) Hexachlorobutadiene	15.02	225	64894	19.318	ug/l	96
91) Naphthalene	15.14	128	367789	19.290	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	118705	17.802	ug/l	97

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QLast Update : Wed Sep 25 01:36:25 2019
Response via : Initial Calibration

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

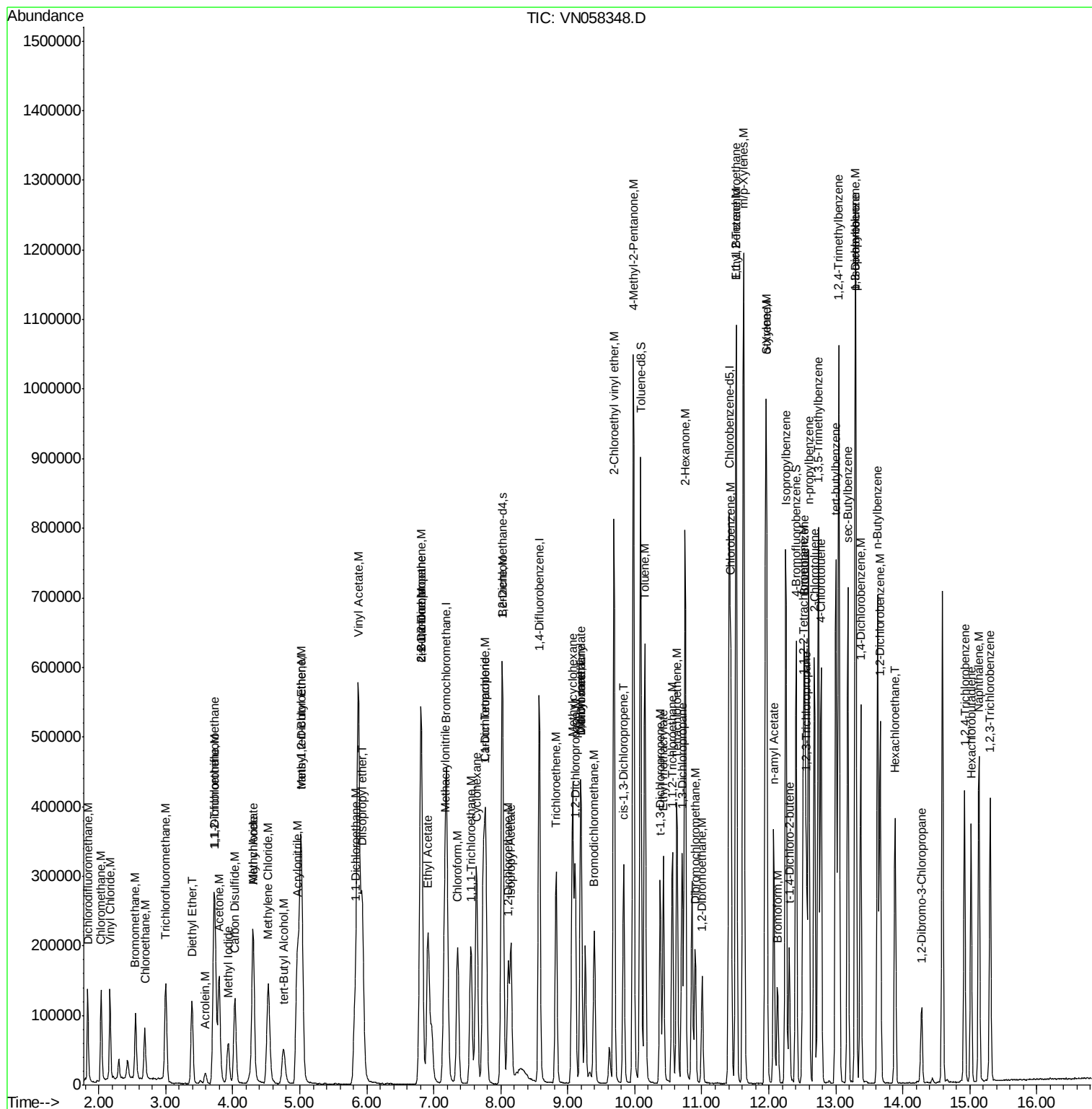
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
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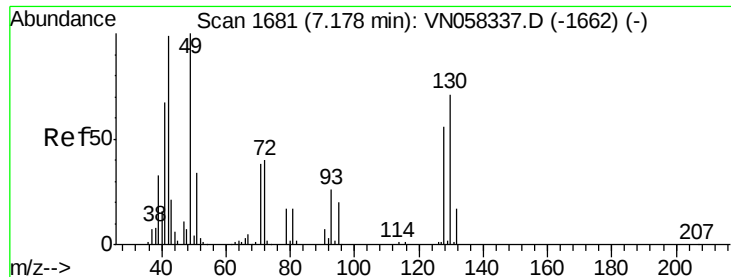
Instrument :
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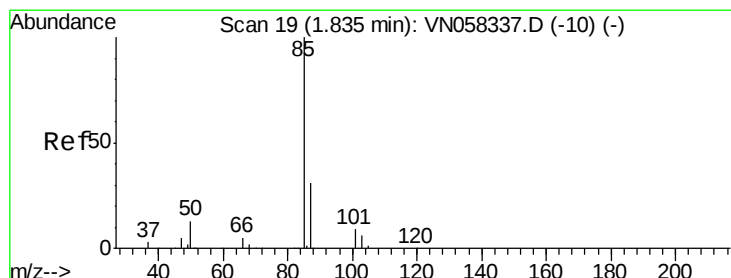
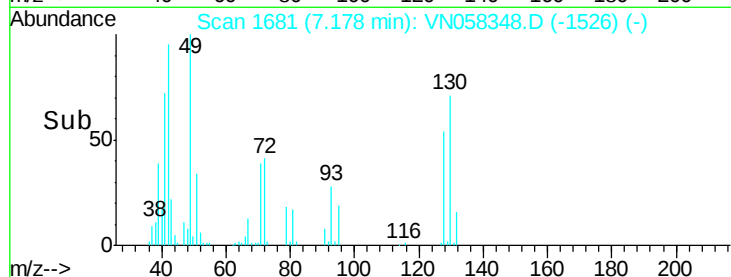
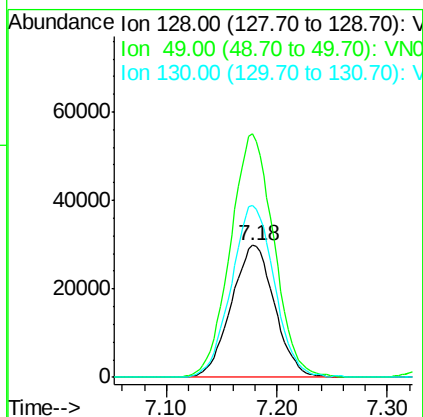
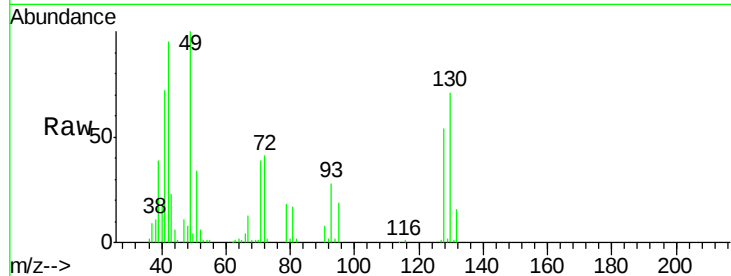
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	185.1	0.0	458.5
130	129.3	0.0	320.7

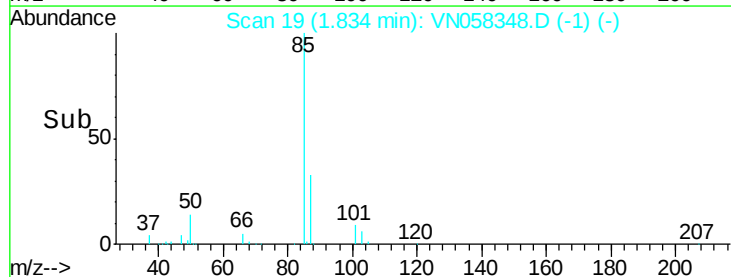
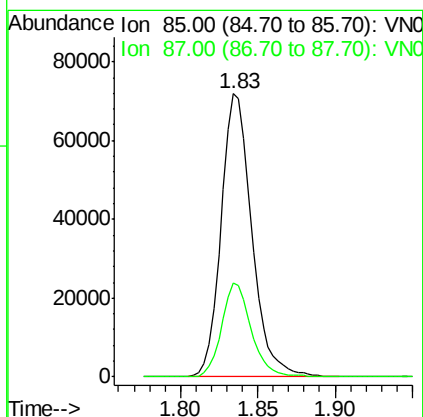
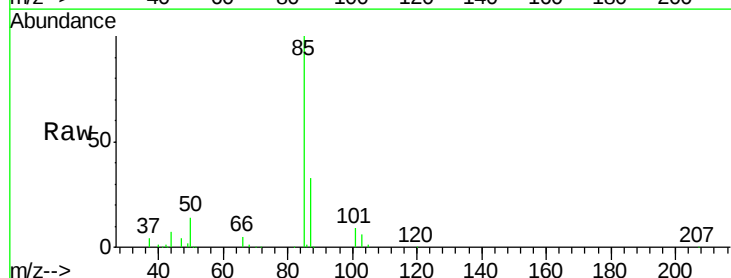
Manual Integrations
APPROVED

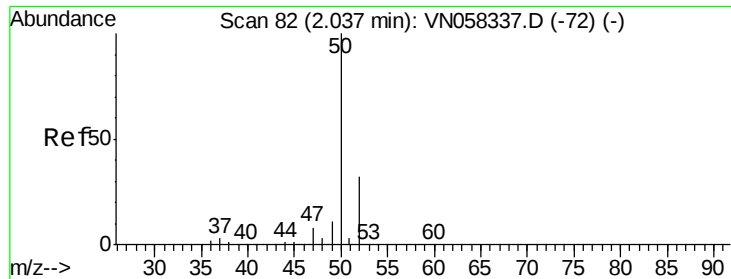
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#2
Dichlorodifluoromethane
Concen: 20.240 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.5	46.5





#3

Chloromethane

Concen: 20.037 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 113171

Ion Ratio Lower Upper

50 100

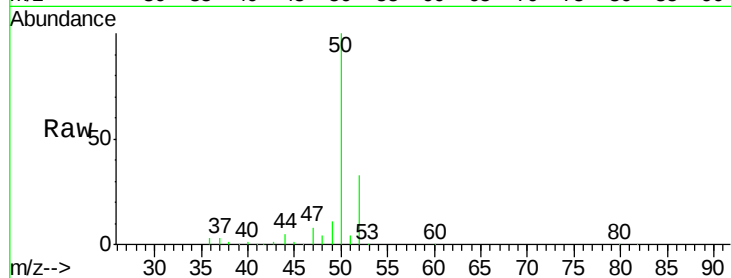
52 33.4 25.9 38.9

Manual Integrations

APPROVED

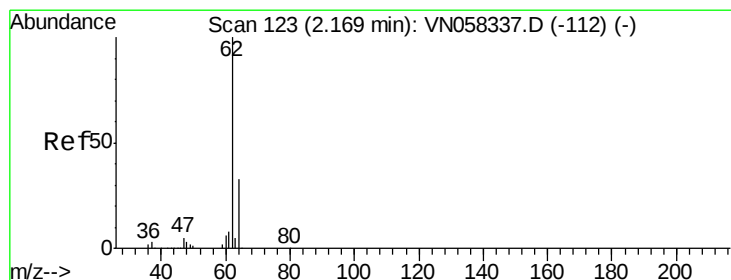
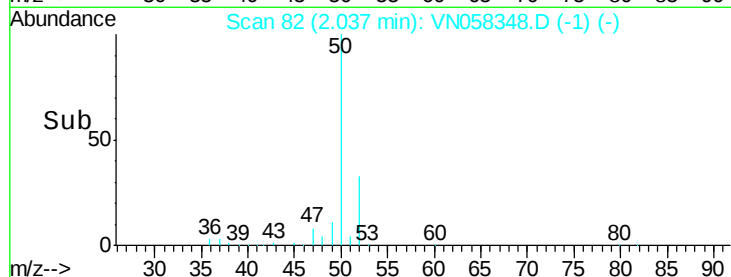
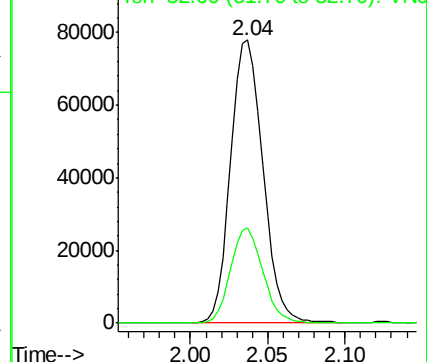
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.344 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058348.D

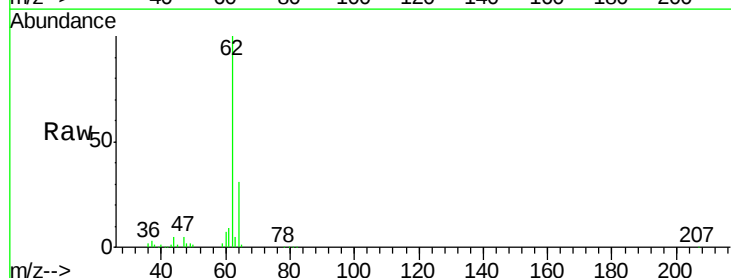
Acq: 24 Sep 2019 16:09

Tgt Ion: 62 Resp: 114657

Ion Ratio Lower Upper

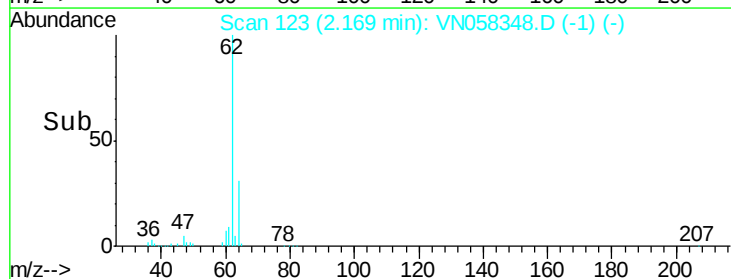
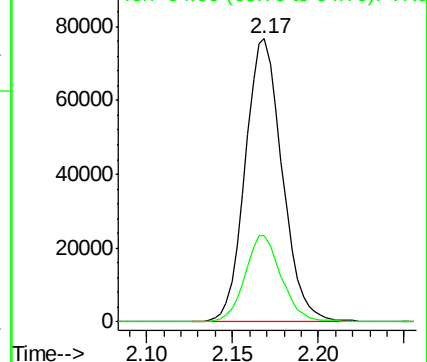
62 100

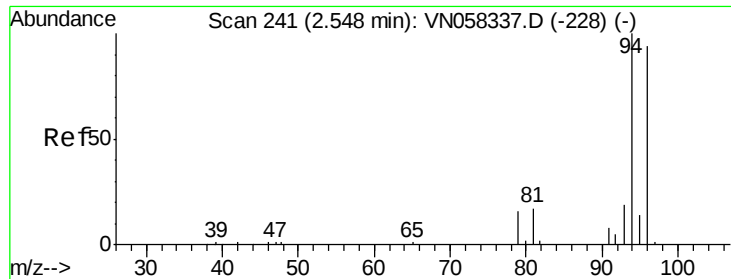
64 30.5 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 20.084 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 61461

Ion Ratio Lower Upper

94 100

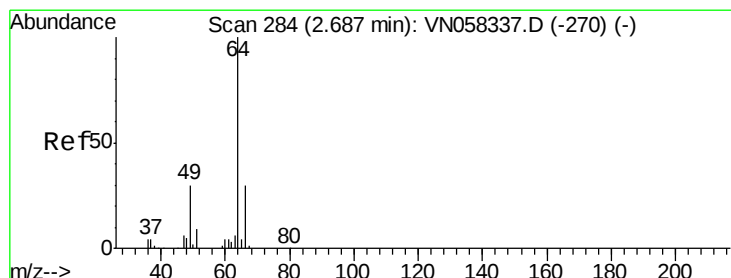
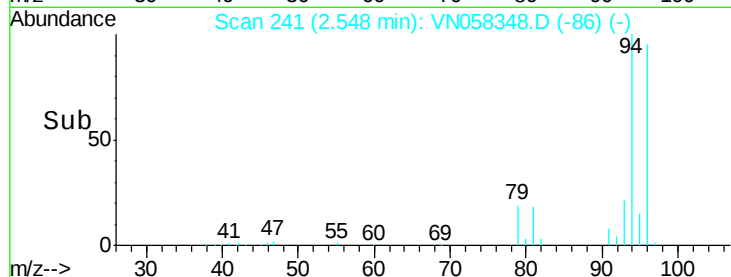
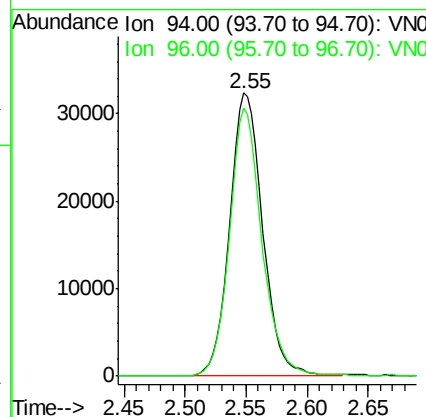
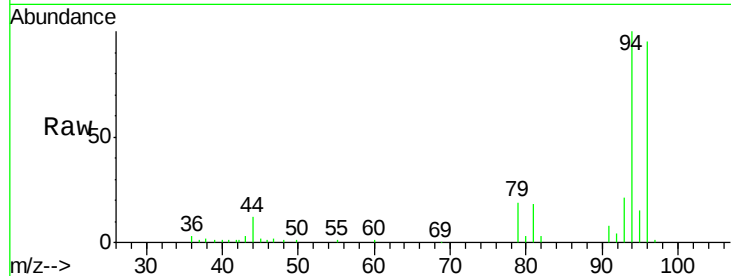
96 94.9 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 20.236 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058348.D

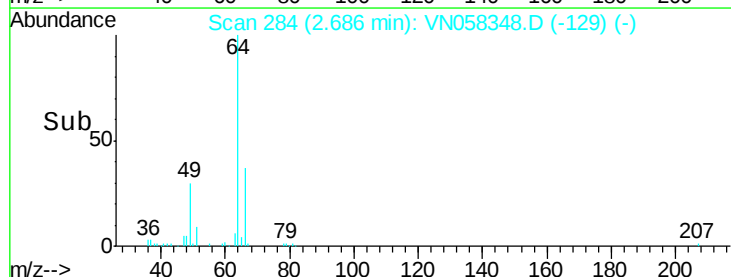
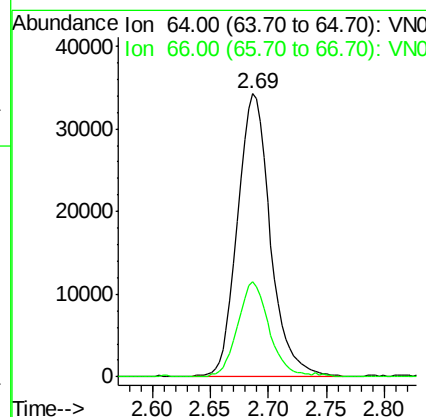
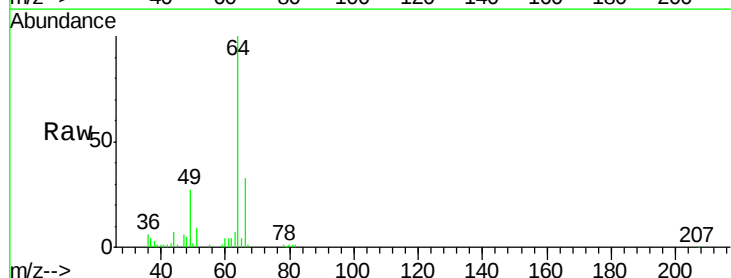
Acq: 24 Sep 2019 16:09

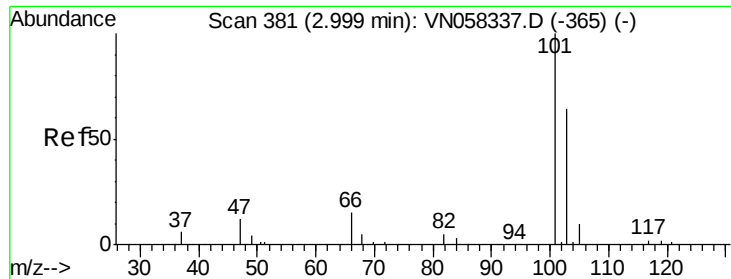
Tgt Ion: 64 Resp: 67401

Ion Ratio Lower Upper

64 100

66 33.5 23.8 35.6





#7

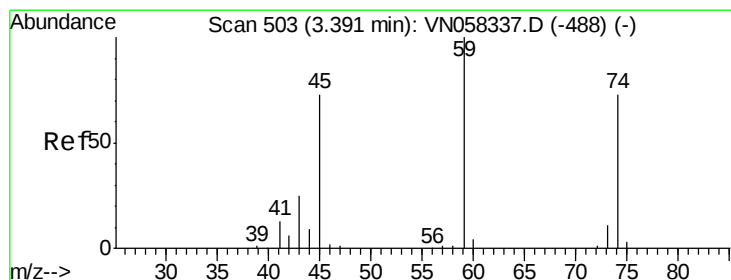
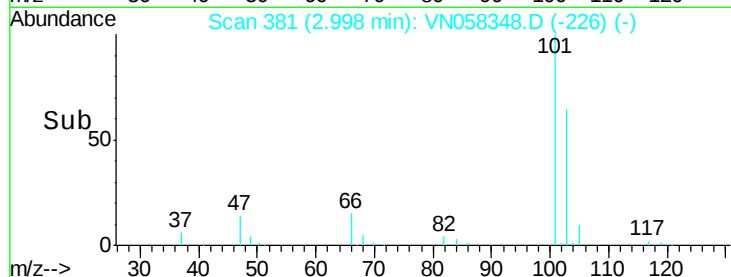
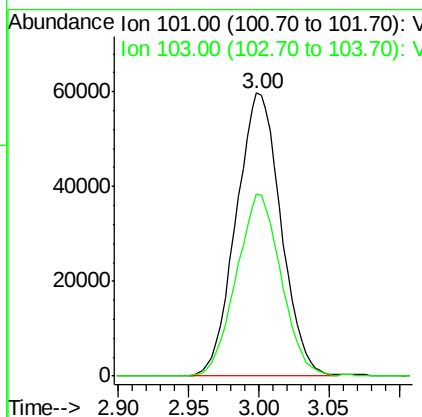
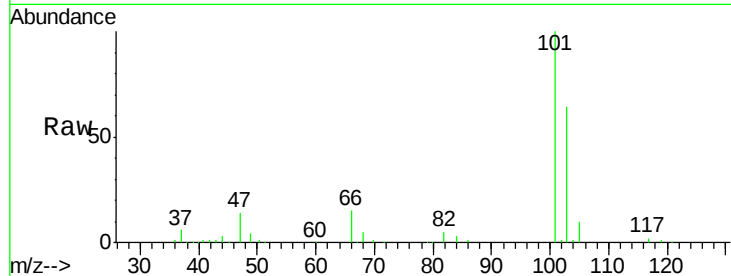
Trichlorofluoromethane
Concen: 20.030 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.5	77.3

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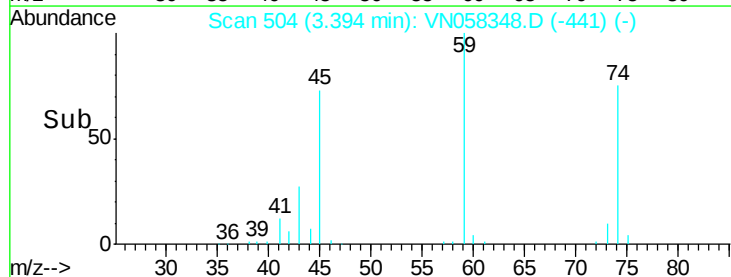
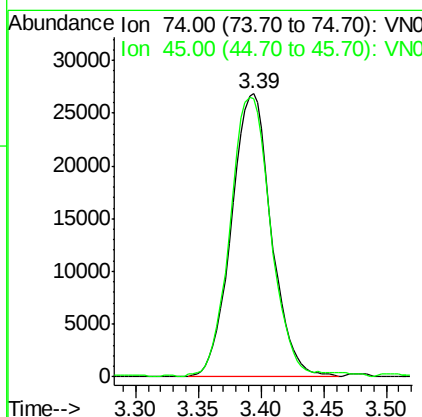
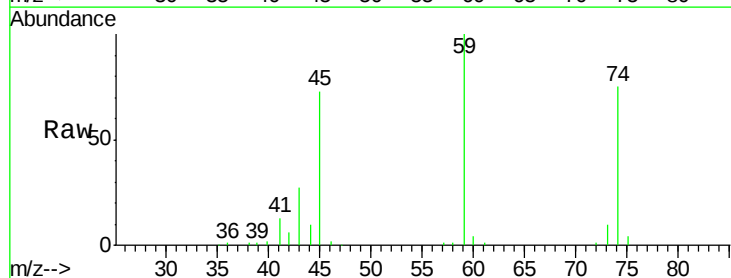
MMDadoda
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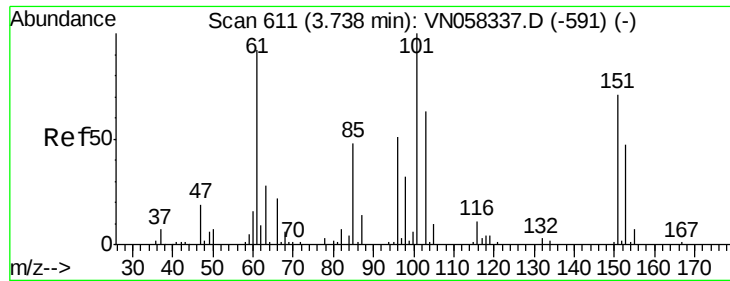


#8

Diethyl Ether
Concen: 20.203 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	20.8	187.6





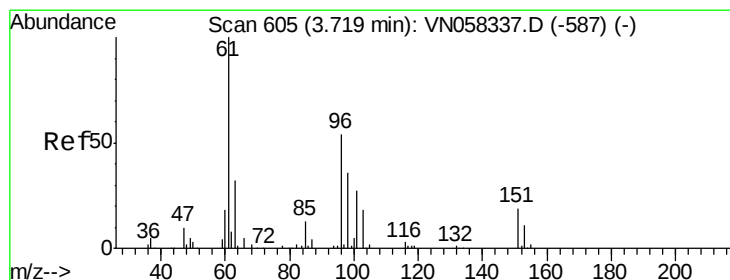
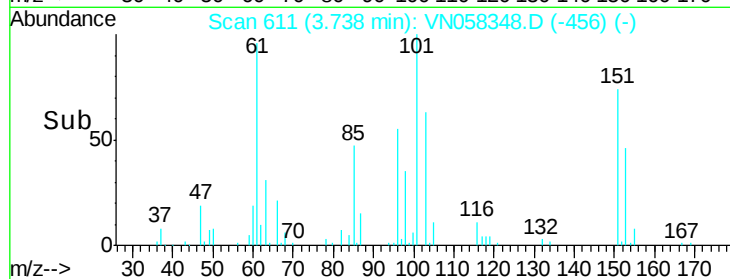
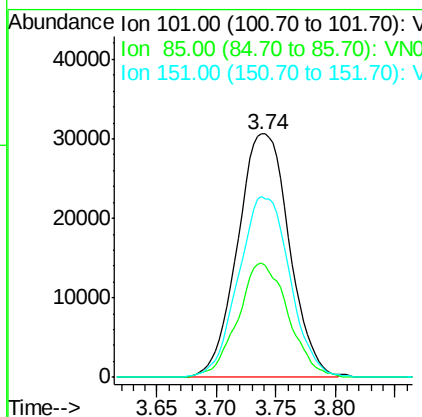
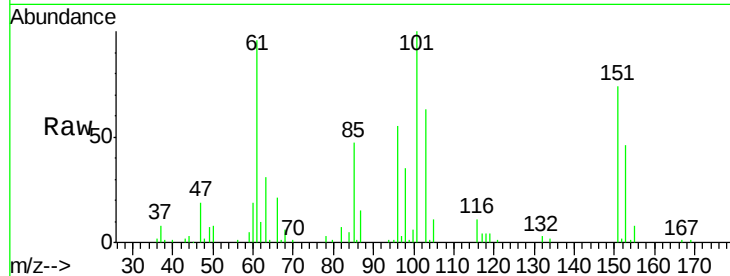
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.184 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.7	0.0	93.0
151	74.0	0.0	147.2

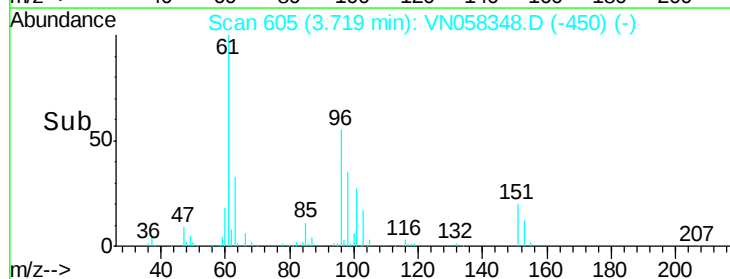
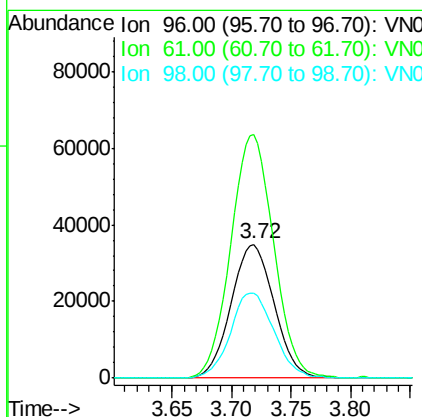
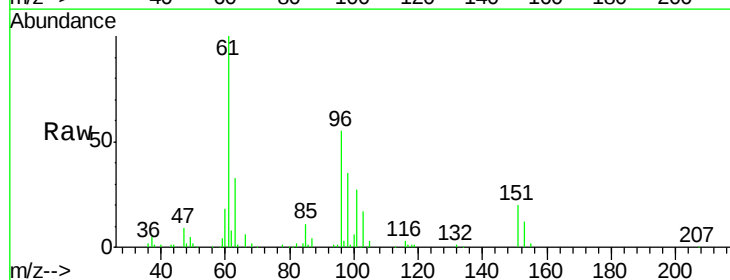
Manual Integrations
 APPROVED

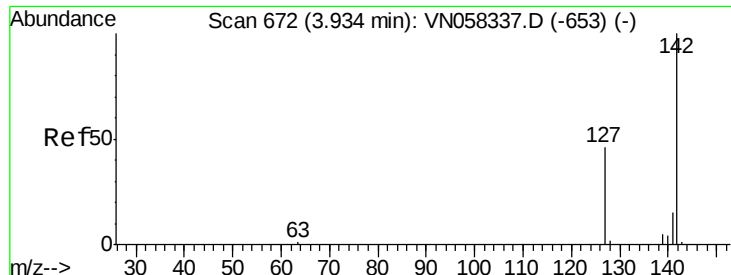
MMDadoda
 9/25/2019 8:24:19 AM



#10
 1,1-Dichloroethene
 Concen: 19.683 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.4	146.9	220.3
98	63.8	52.3	78.5





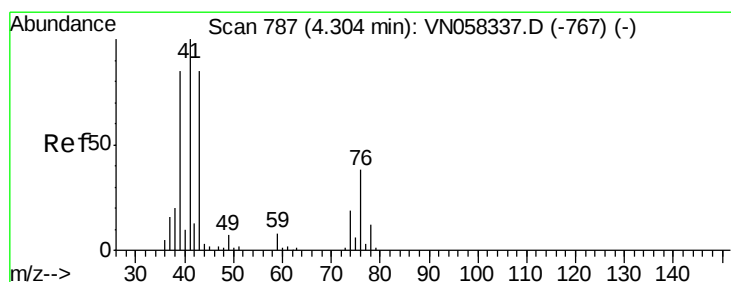
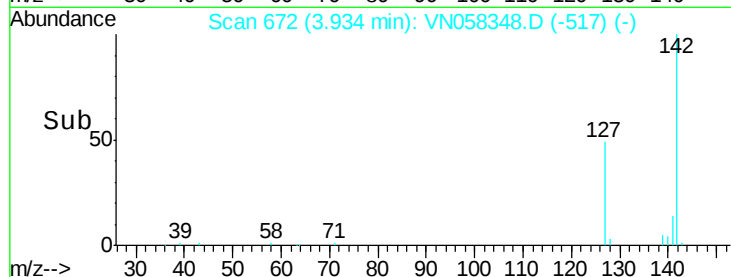
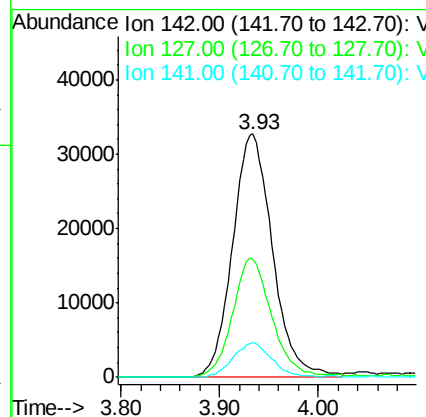
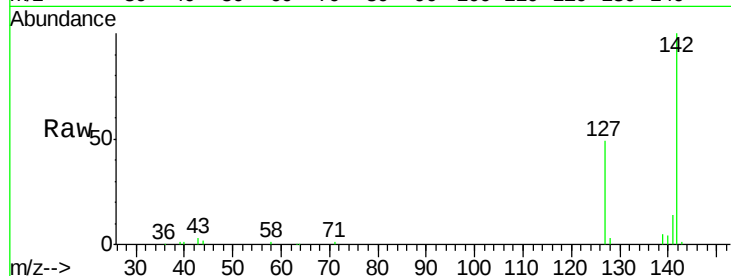
#11
Methvl Iodide
Concen: 20.170 ug/l
RT: 3.93 min Scan# 672
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.6	22.9	68.7
141	14.4	7.4	22.3

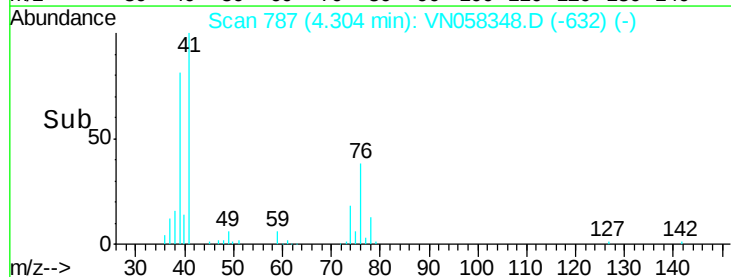
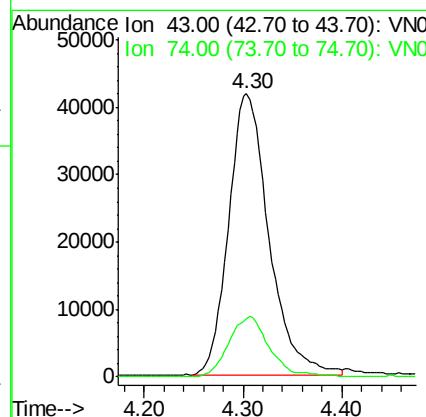
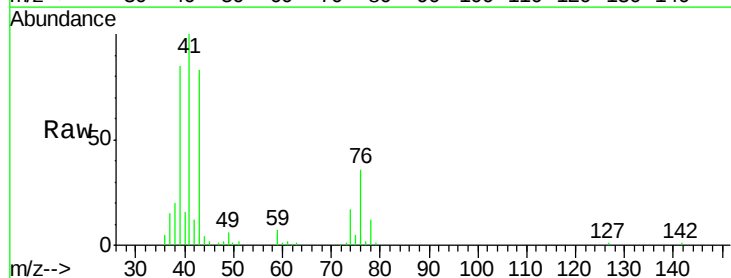
Manual Integrations
APPROVED

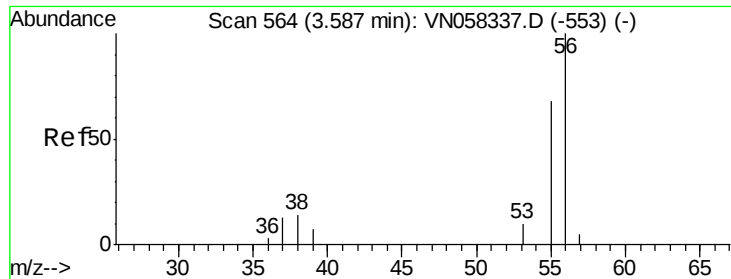
MMDadoda
9/25/2019 8:24:19 AM



#12
Methyl Acetate
Concen: 19.862 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	17.8	26.6





#13

Acrolein

Concen: 97.877 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 16553

Ion Ratio Lower Upper

56 100

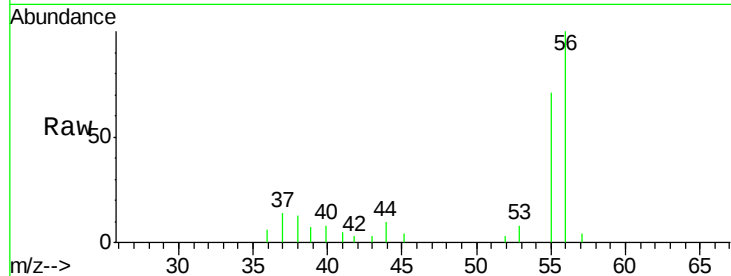
55 75.4 58.4 87.6

Manual Integrations

APPROVED

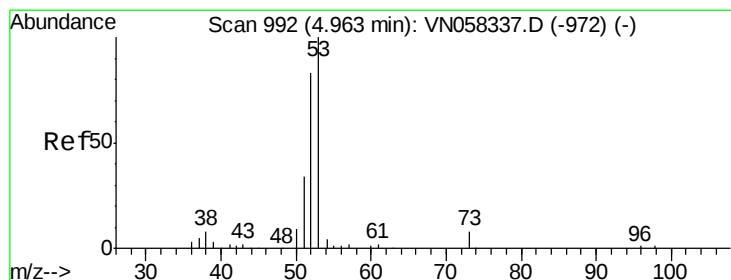
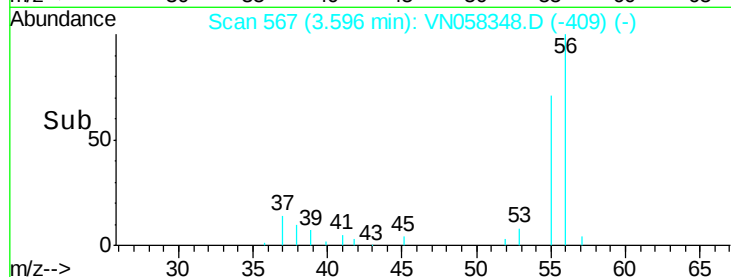
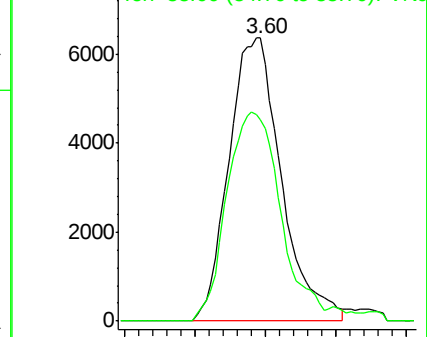
MMDadoda

9/25/2019 8:24:19 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Acrylonitrile

Concen: 99.611 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

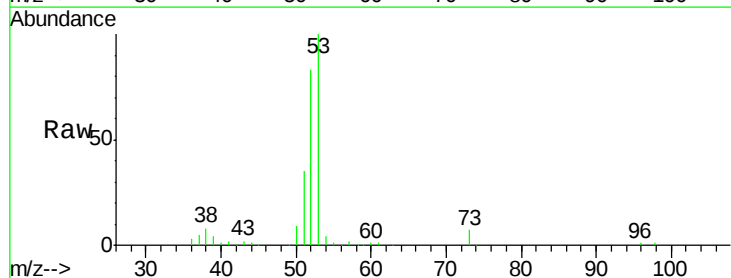
Tgt Ion: 53 Resp: 244618

Ion Ratio Lower Upper

53 100

52 82.5 41.3 123.7

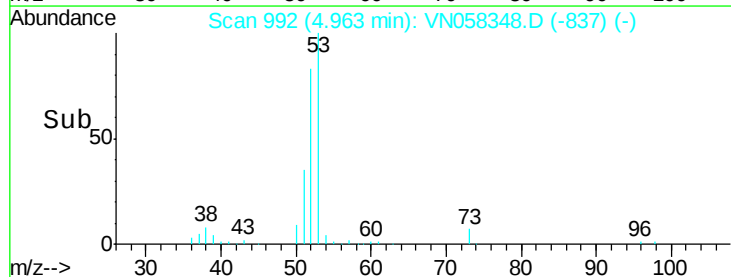
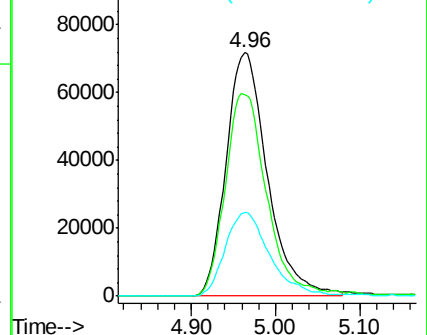
51 37.1 18.3 54.8

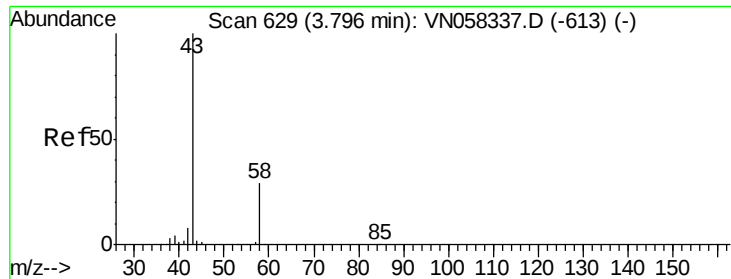


Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO





#15

Acetone

Concen: 104.424 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 71104

Ion Ratio Lower Upper

58 100

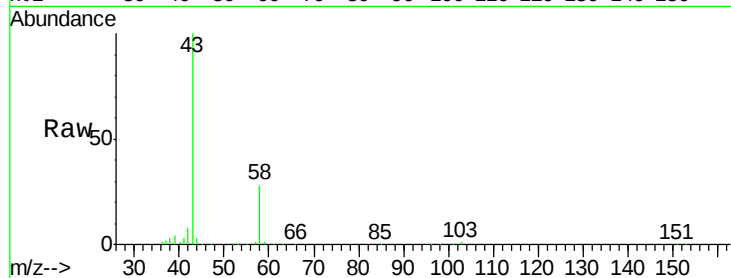
43 356.6 272.6 409.0

Manual Integrations

APPROVED

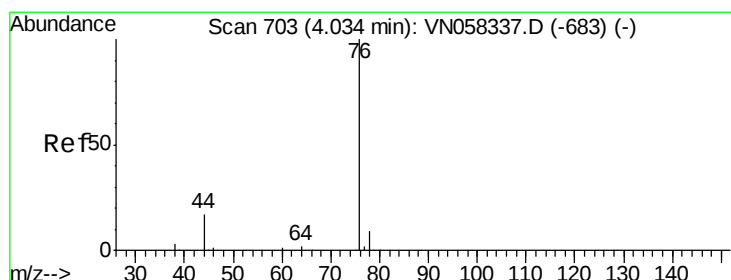
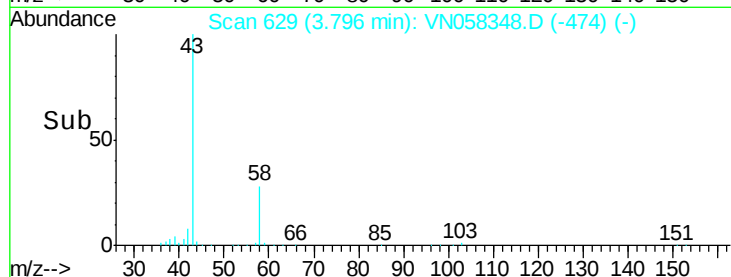
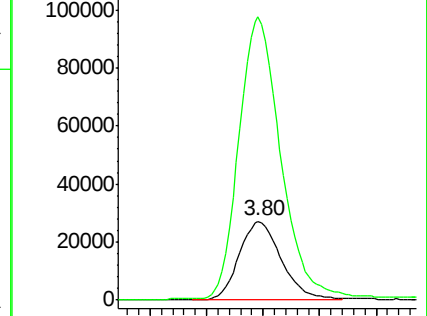
MMDadoda

9/25/2019 8:24:19 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.135 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058348.D

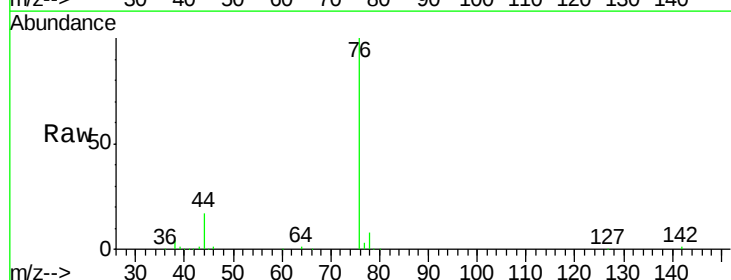
Acq: 24 Sep 2019 16:09

Tgt Ion: 76 Resp: 237464

Ion Ratio Lower Upper

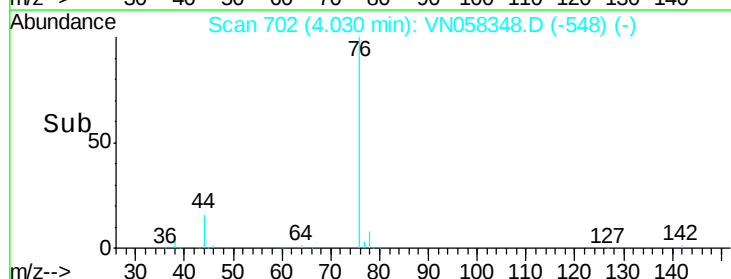
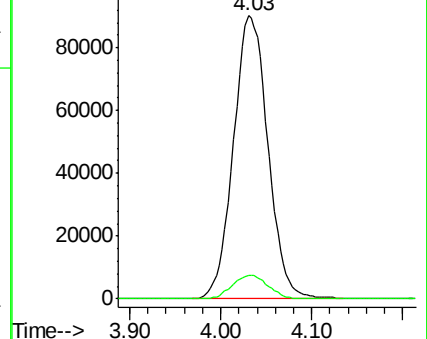
76 100

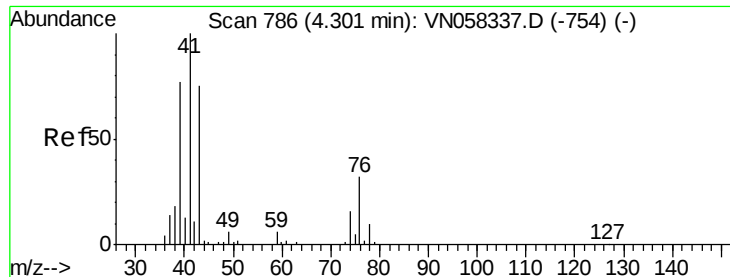
78 8.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





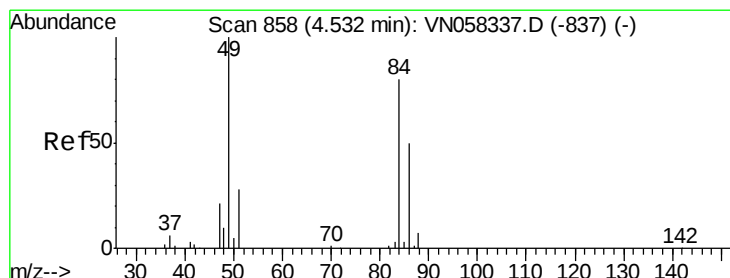
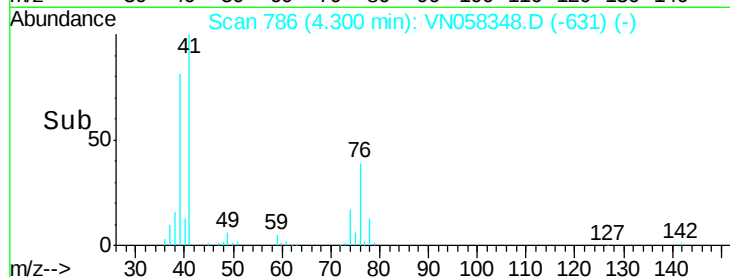
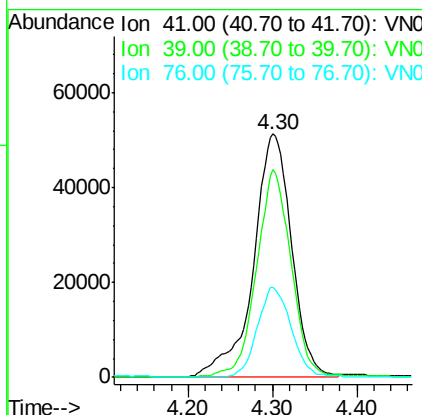
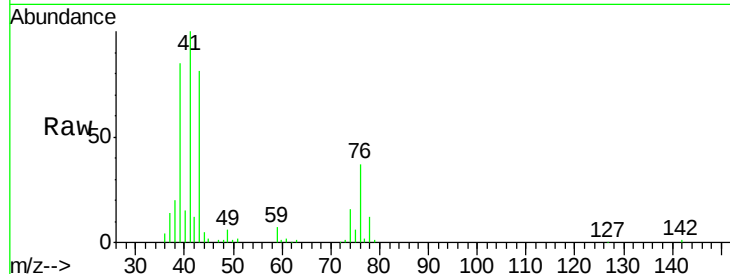
#17
Allvl chloride
Concen: 19.351 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	161407
Ion	Ratio	Lower	Upper
41	100		
39	85.2	38.7	116.1
76	37.1	16.4	49.1

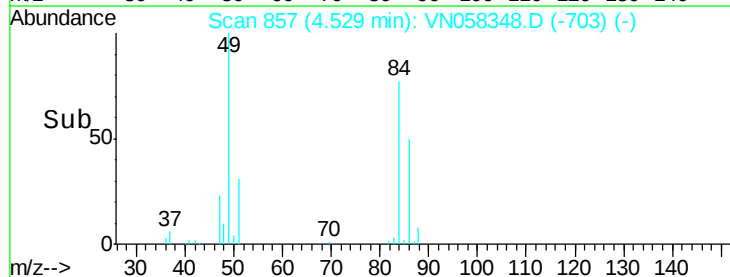
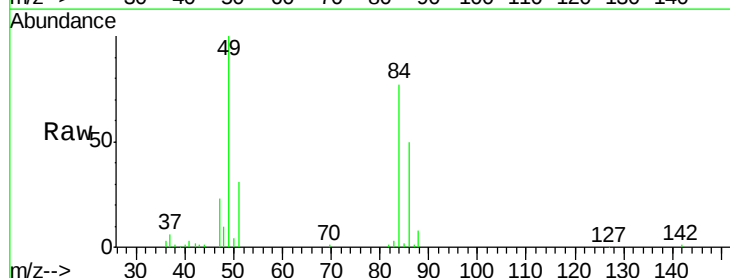
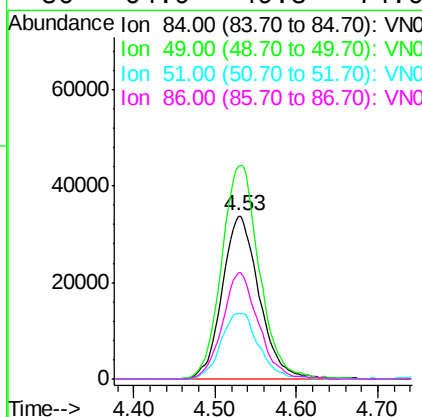
Manual Integrations
APPROVED

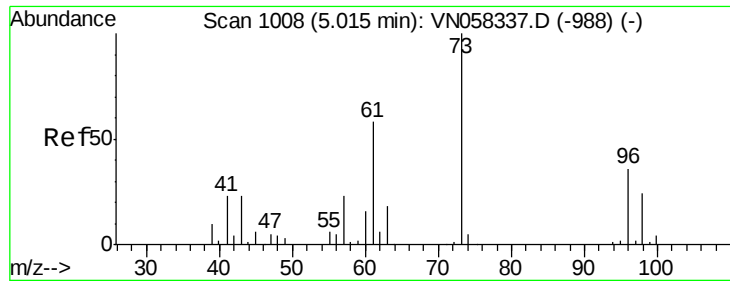
MMDadoda
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#18
Methylene Chloride
Concen: 20.346 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion:	84	Resp:	107176
Ion	Ratio	Lower	Upper
84	100		
49	129.4	99.8	149.6
51	40.1	28.3	42.5
86	64.9	49.8	74.6





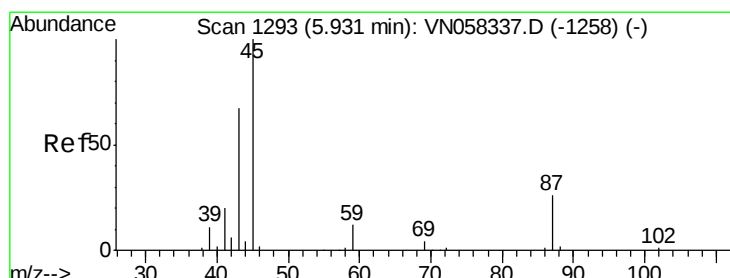
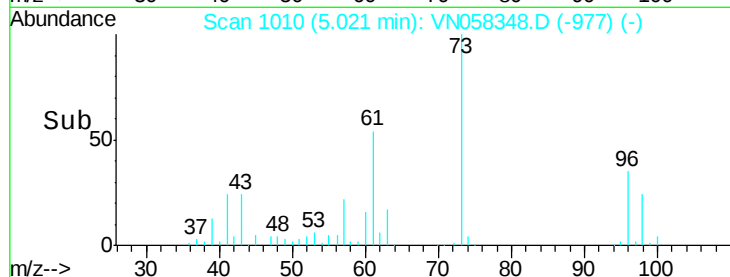
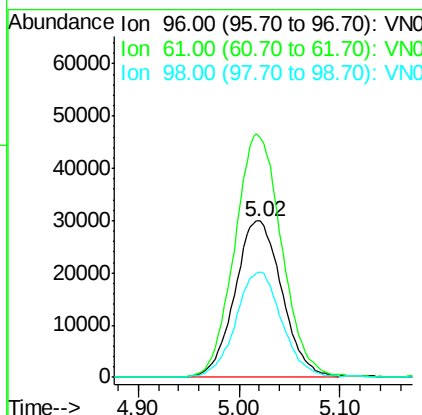
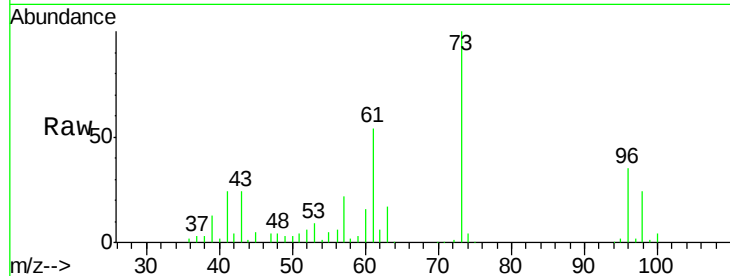
#19
trans-1,2-Dichloroethene
Concen: 19.391 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.9	128.0	192.0
98	67.8	53.0	79.6

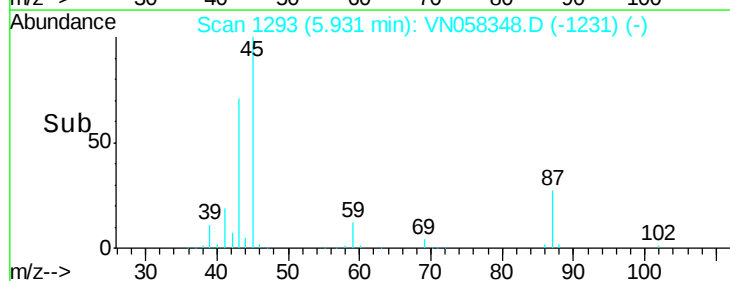
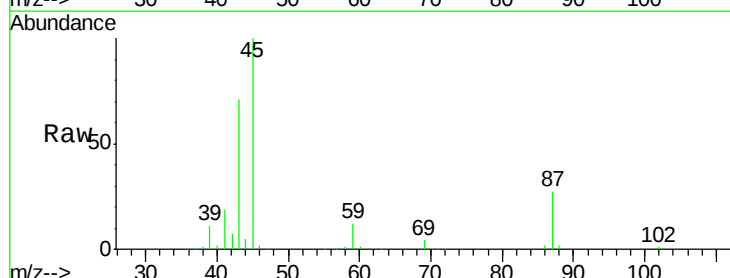
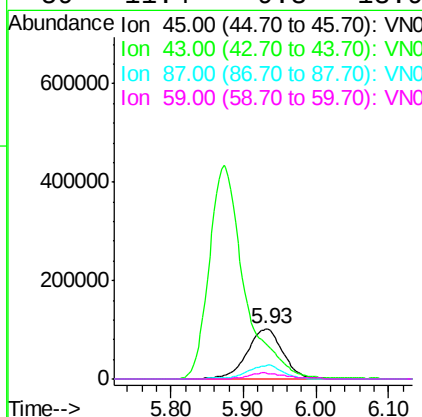
Manual Integrations
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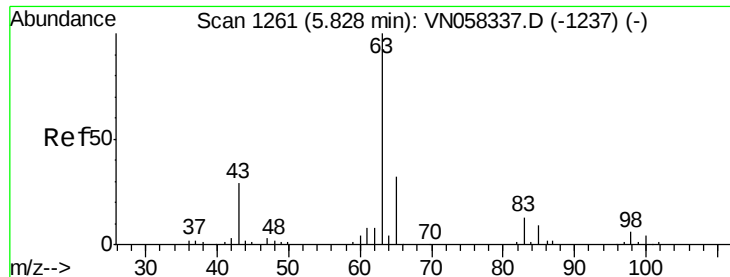
MMDadoda
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#20
Diisopropyl ether
Concen: 19.847 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.2	54.1	81.1
87	26.4	21.4	32.2
59	11.4	9.3	13.9





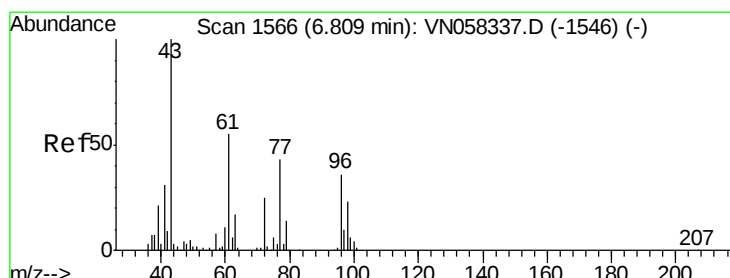
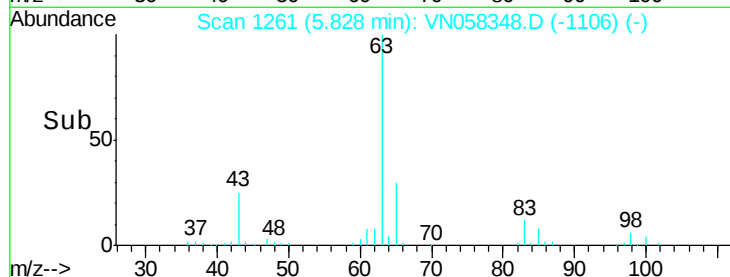
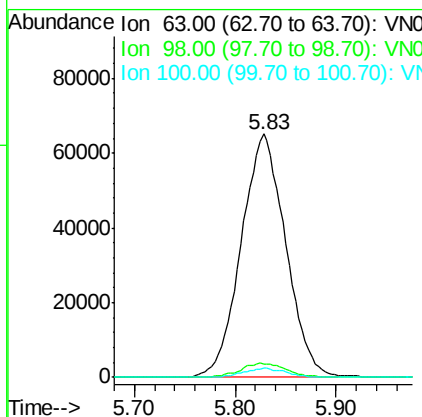
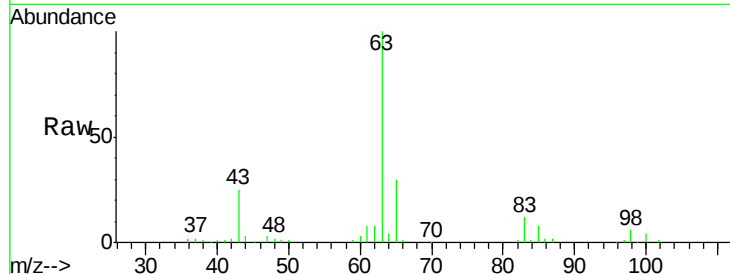
#21
 1,1-Dichloroethane
 Concen: 20.029 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	199196		
98	5.6	3.0	9.2	
100	3.6	2.1	6.5	

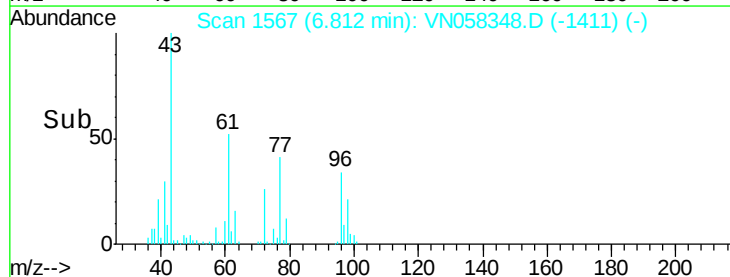
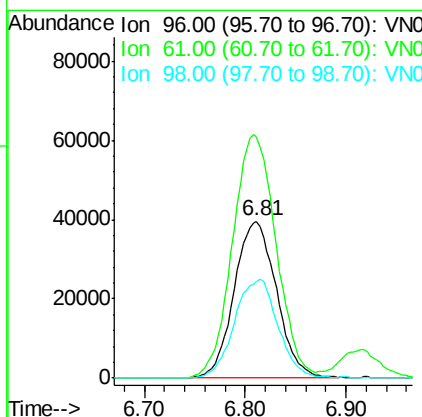
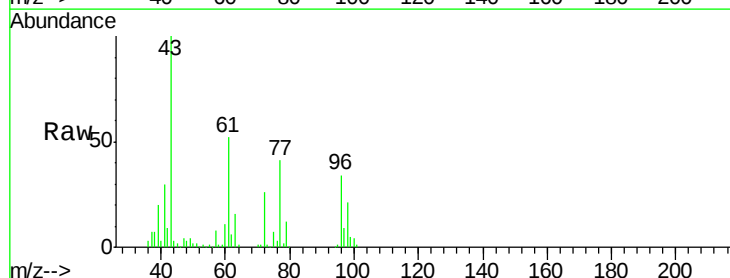
Manual Integrations
 APPROVED

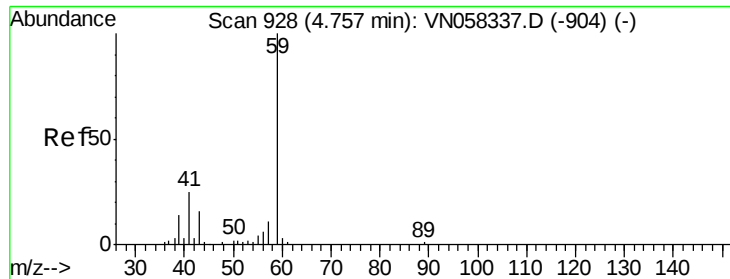
MMDadoda
 9/25/2019 8:24:19 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.780 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	115022		
61	159.9	128.2	192.2	
98	64.7	50.6	76.0	





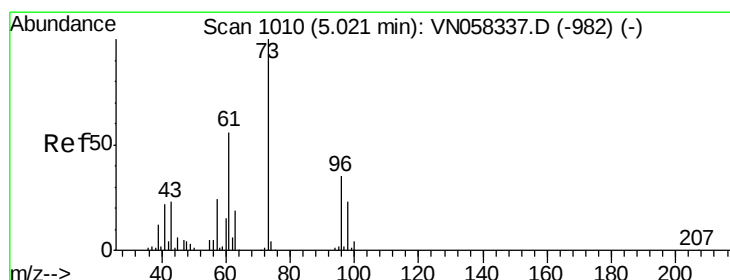
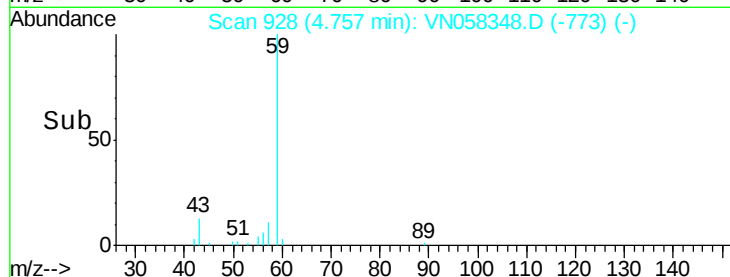
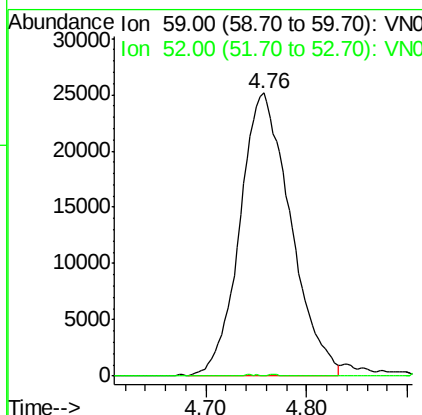
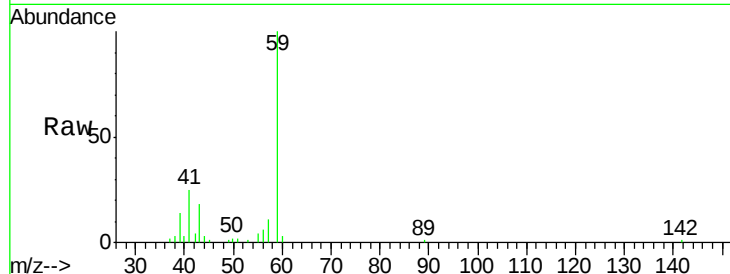
#23
 tert-Butyl Alcohol
 Concen: 96.939 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		87881		
52	0.0	0.1	0.1#		

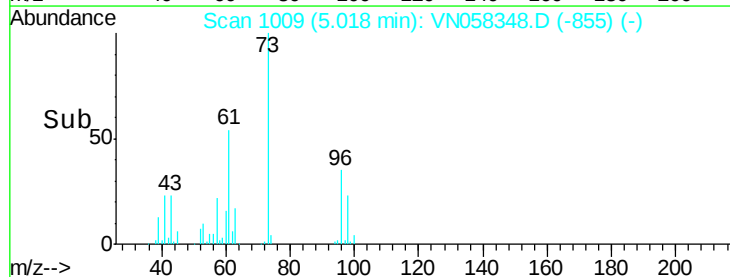
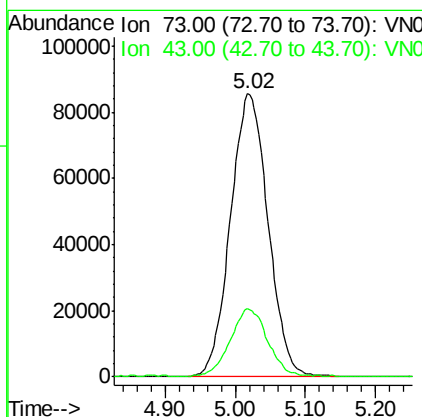
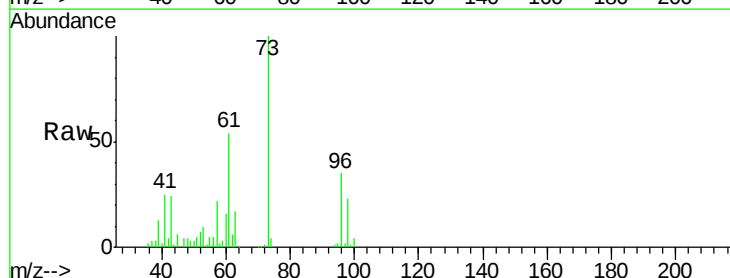
Manual Integrations
 APPROVED

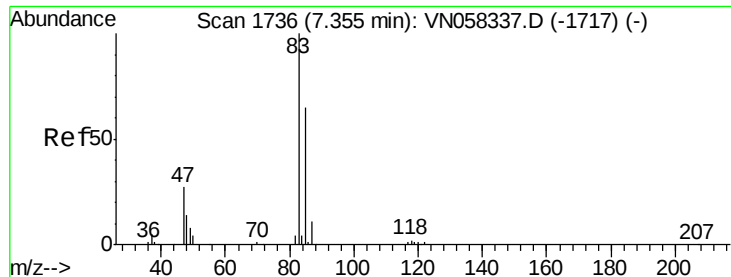
MMDadoda
 9/25/2019 8:24:19 AM



#24
 Methyl tert-Butyl Ether
 Concen: 19.883 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		318700		
43	23.1	18.4	27.6		





#25

Chloroform

Concen: 19.656 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 197952

Ion Ratio Lower Upper

83 100

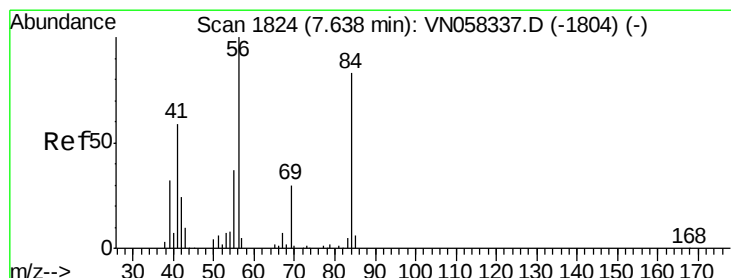
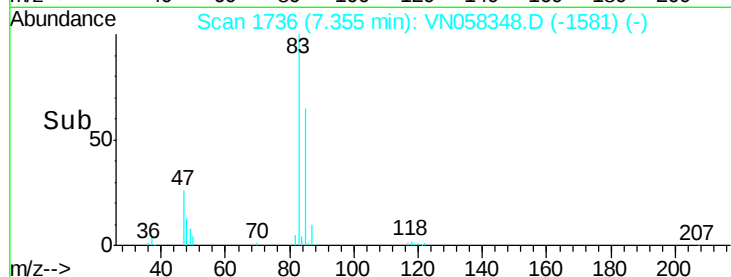
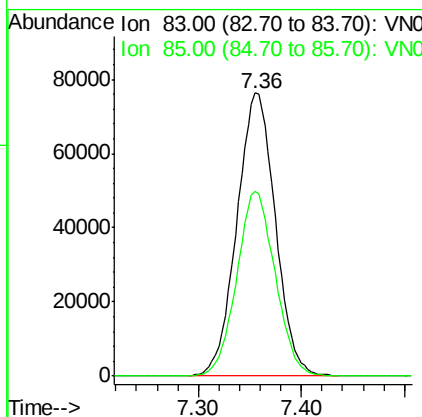
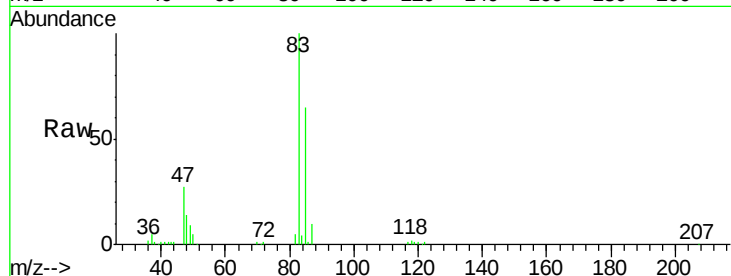
85 65.4 51.8 77.6

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#26

Cyclohexane

Concen: 19.617 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

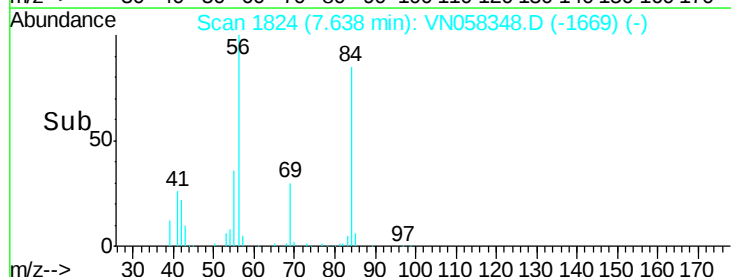
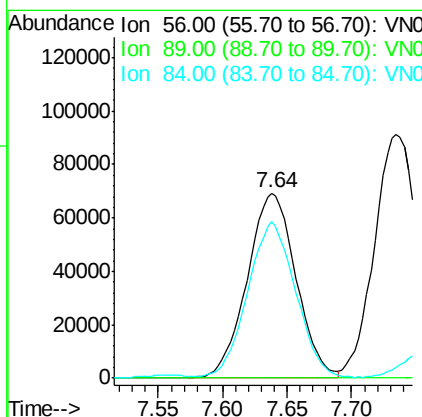
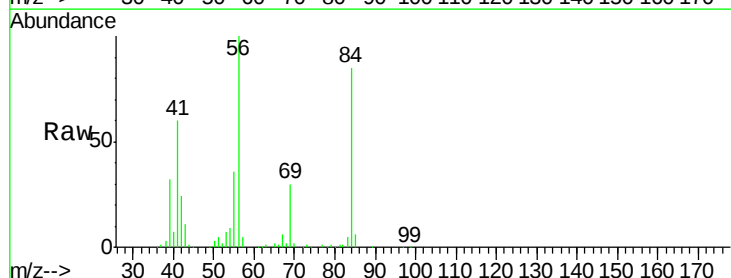
Tgt Ion: 56 Resp: 182352

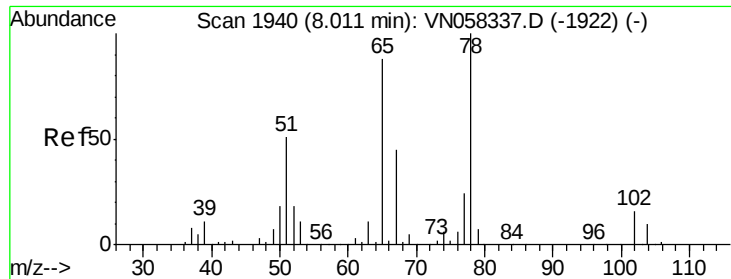
Ion Ratio Lower Upper

56 100

89 0.2 0.1 0.1#

84 83.4 66.9 100.3





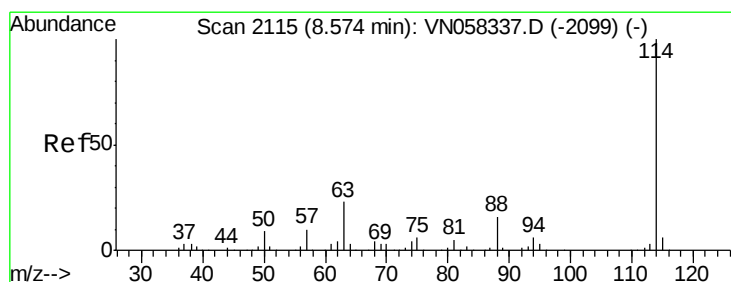
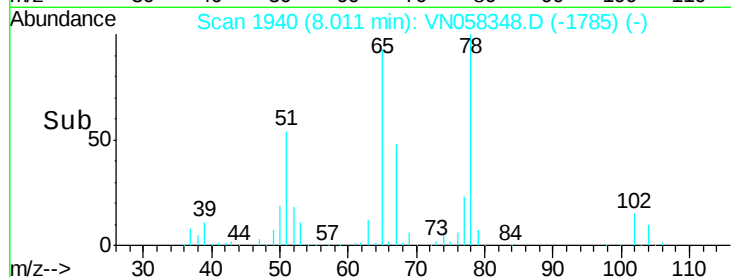
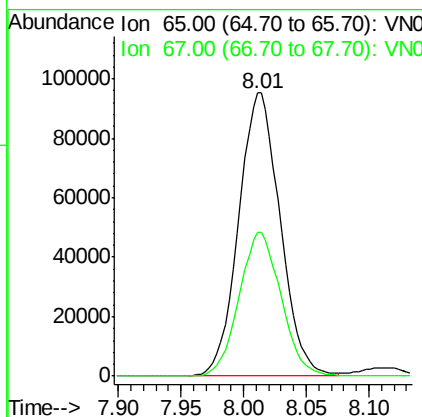
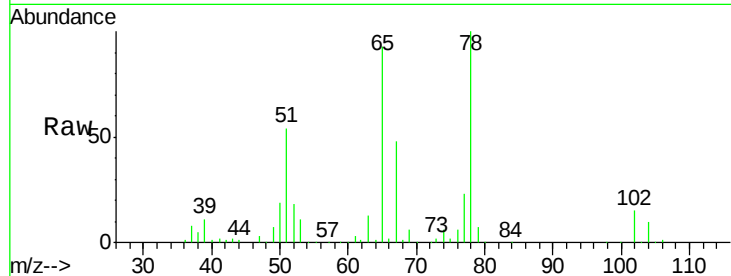
#27
 1,2-Dichloroethane-d4
 Concen: 30.544 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Tot Ion: 65 Resp: 219632
 Ion Ratio Lower Upper
 65 100
 67 51.3 40.4 60.6

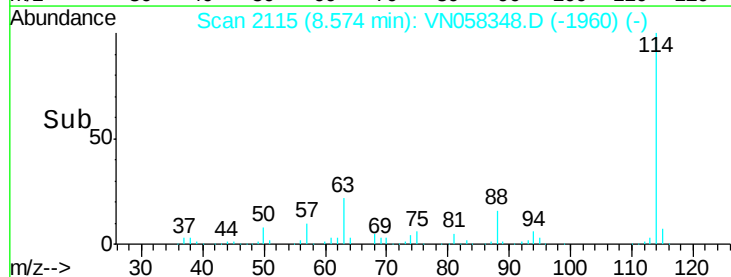
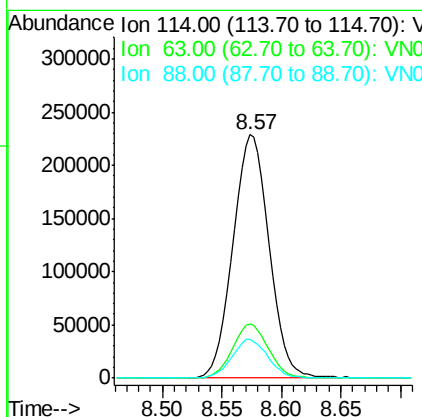
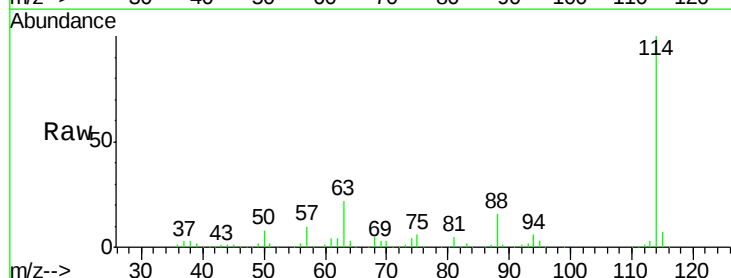
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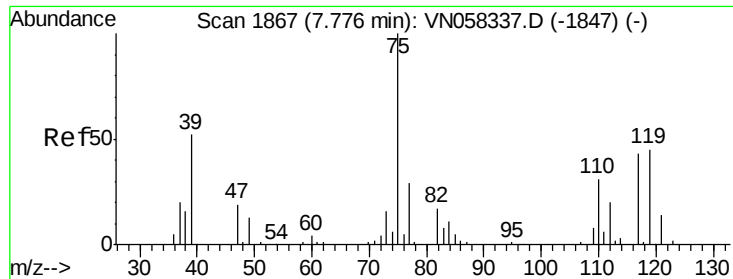
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion: 114 Resp: 481656
 Ion Ratio Lower Upper
 114 100
 63 21.9 17.8 26.8
 88 15.8 12.7 19.1





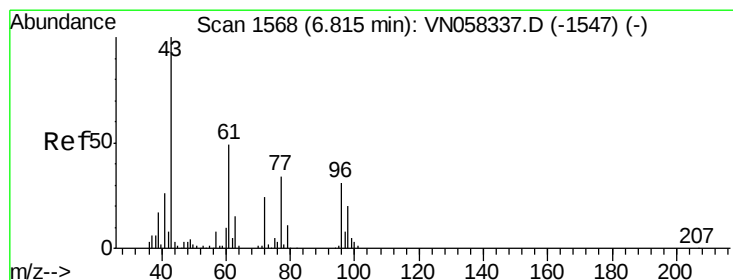
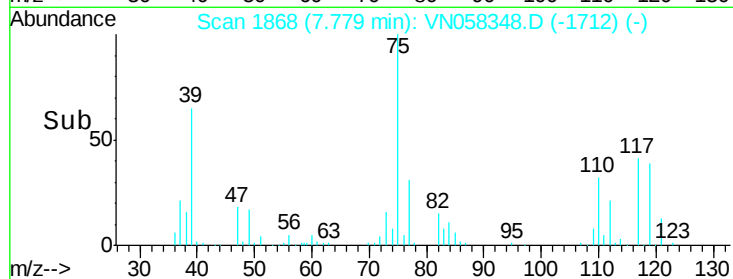
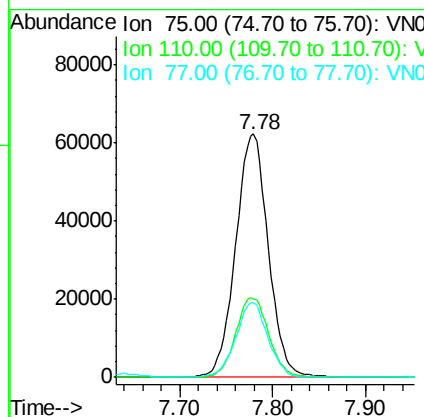
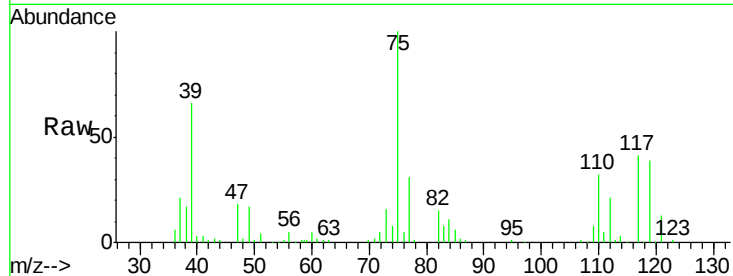
#29
 1,1-Dichloropropene
 Concen: 19.322 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	75	Resp	151914
Ion Ratio	Lower	Upper	
75	100		
110	33.2	0.0	63.6
77	30.3	0.0	59.4

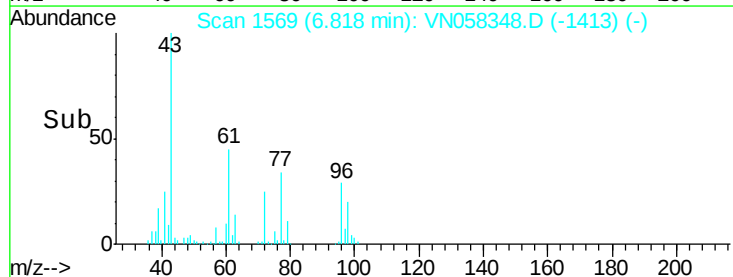
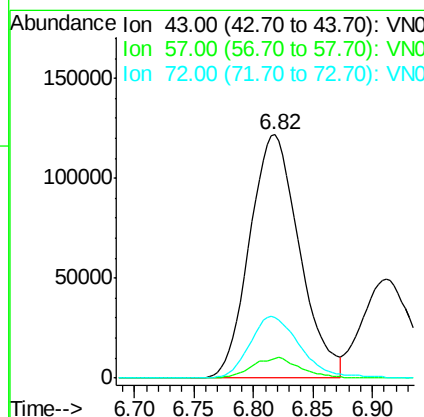
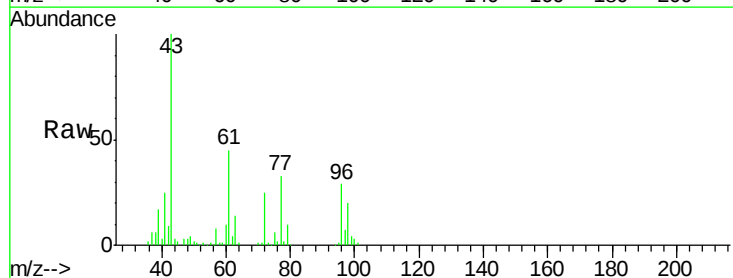
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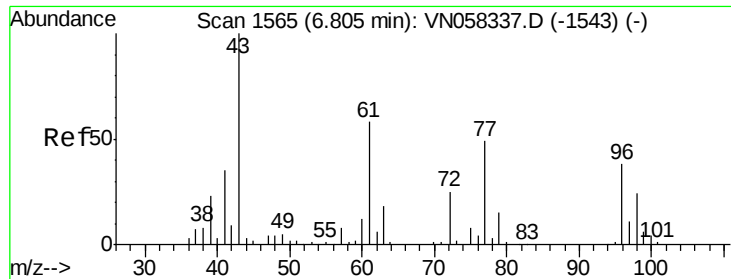
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#30
 2-Butanone
 Concen: 98.313 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	43	Resp	350970
Ion Ratio	Lower	Upper	
43	100		
57	8.2	6.2	9.4
72	25.7	20.3	30.5





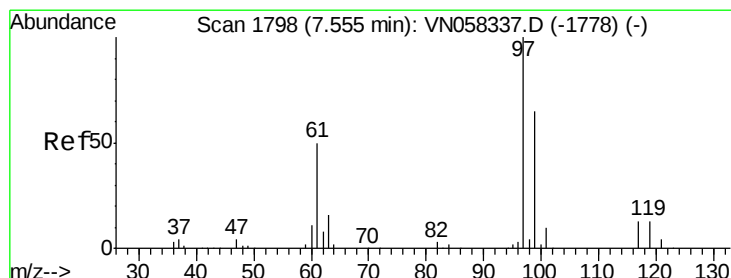
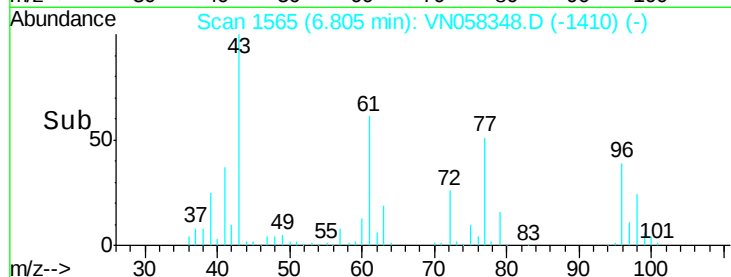
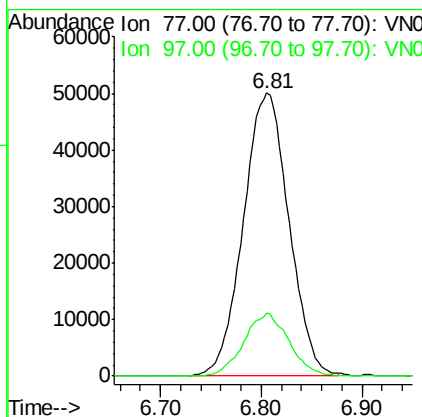
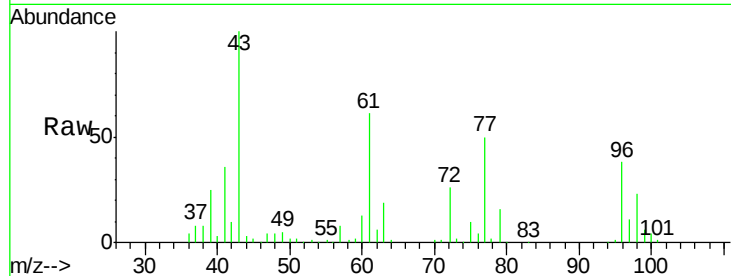
#31
 2,2-Dichloropropane
 Concen: 19.430 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 157268
 Ion Ratio Lower Upper
 77 100
 97 21.9 17.6 26.4

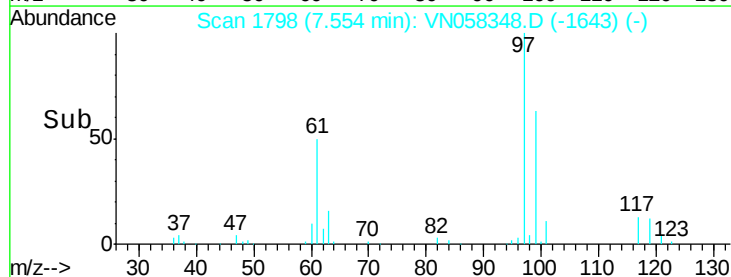
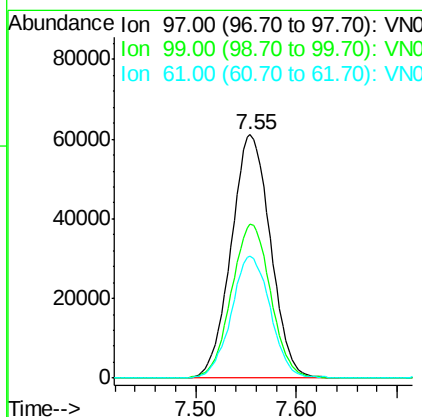
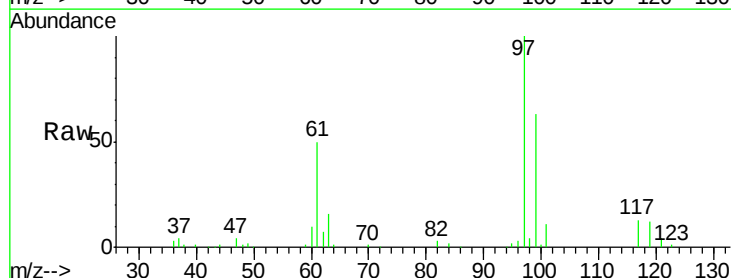
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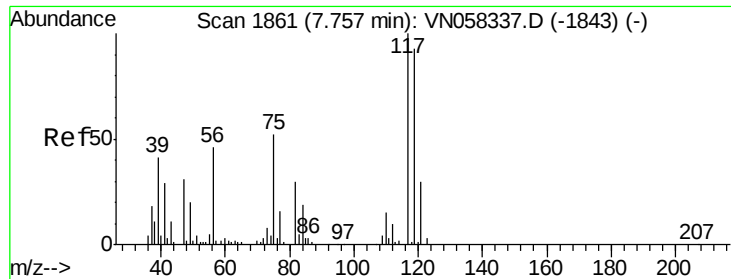
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#32
 1,1,1-Trichloroethane
 Concen: 19.510 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion: 97 Resp: 165443
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.8 77.6
 61 49.6 39.4 59.2





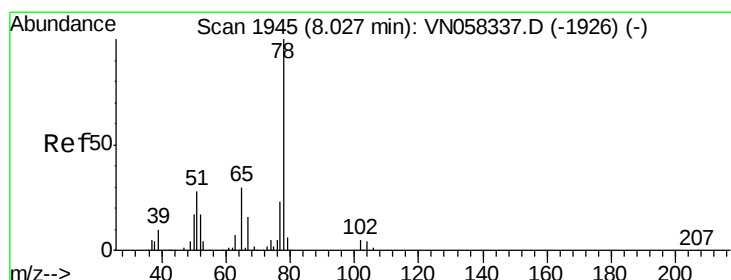
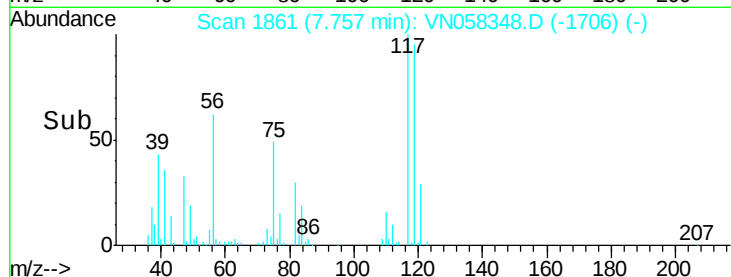
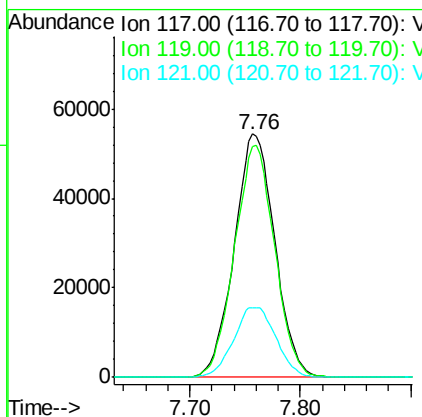
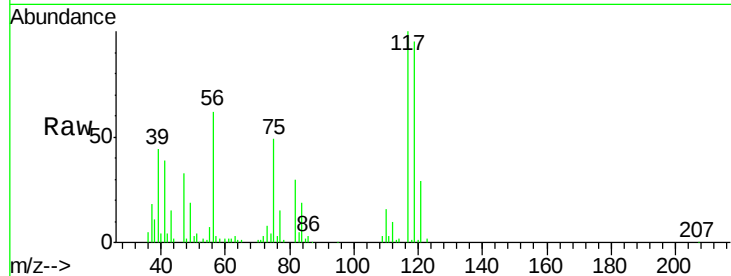
#33
Carbon Tetrachloride
Concen: 19.237 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	138595		
119	94.7	74.2	111.4	
121	28.5	23.9	35.9	

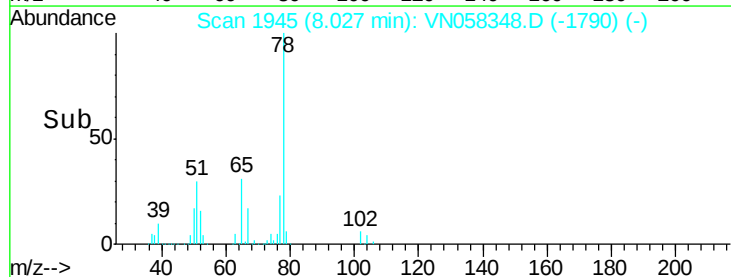
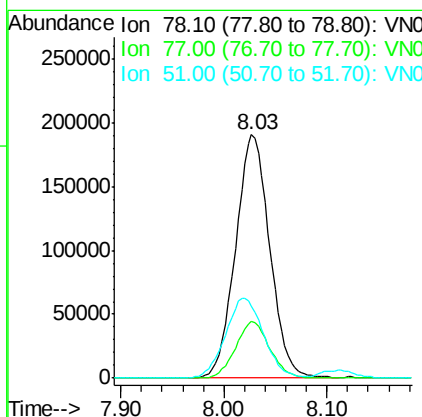
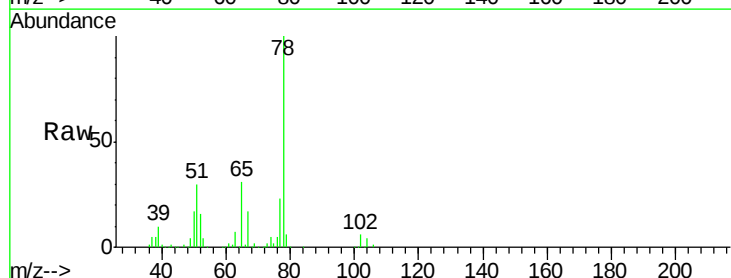
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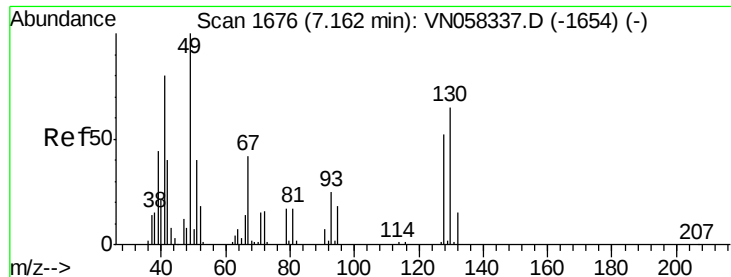
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#34
Benzene
Concen: 19.744 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	440351		
77	23.1	18.8	28.2	
51	29.3	22.4	33.6	





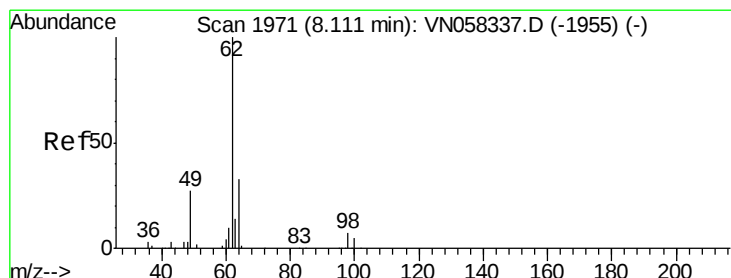
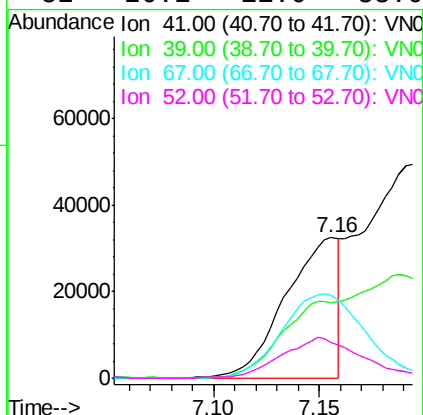
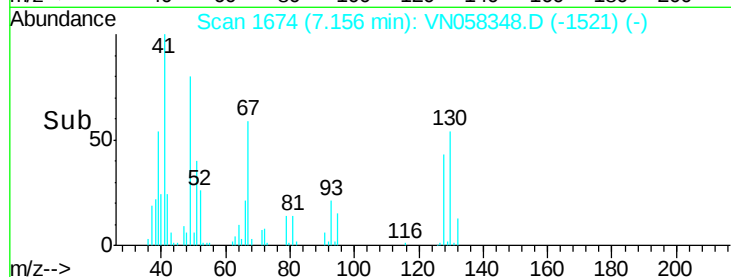
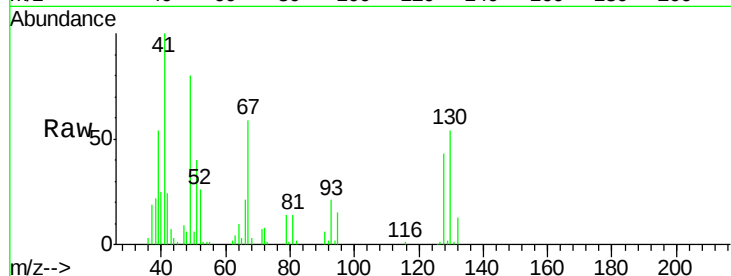
#35
Methacrylonitrile
Concen: 18.631 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	57208
Ion	Ratio	Lower	Upper
41	100		
39	54.3	27.3	81.9
67	59.2	26.3	78.9
52	26.1	11.0	33.0

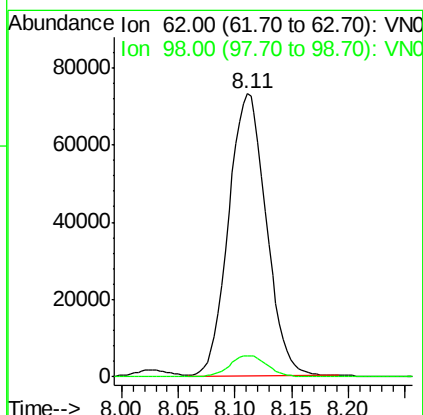
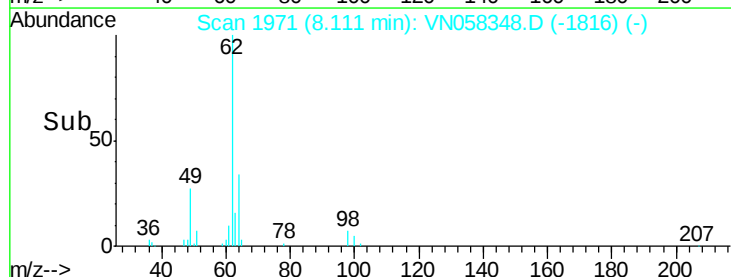
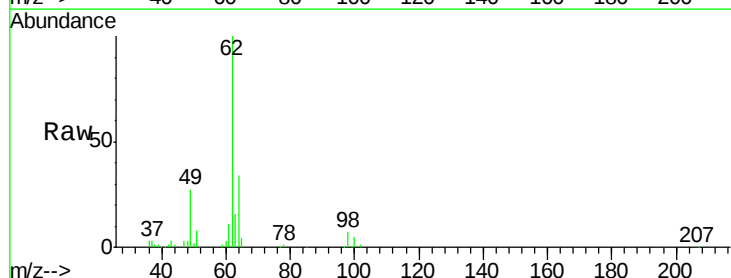
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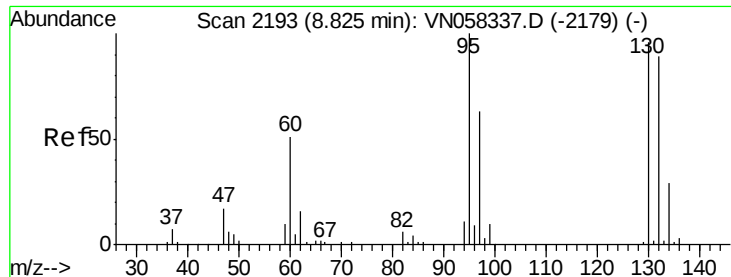
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#36
1,2-Dichloroethane
Concen: 19.410 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion:	62	Resp:	169583
Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.0	9.0





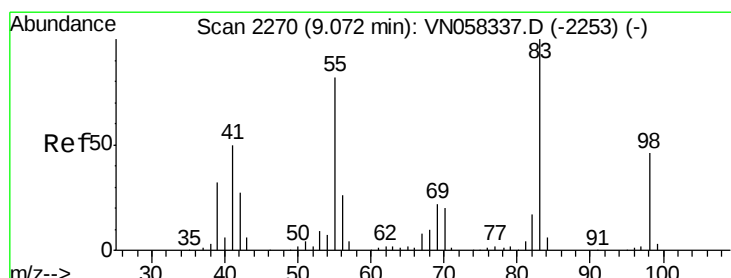
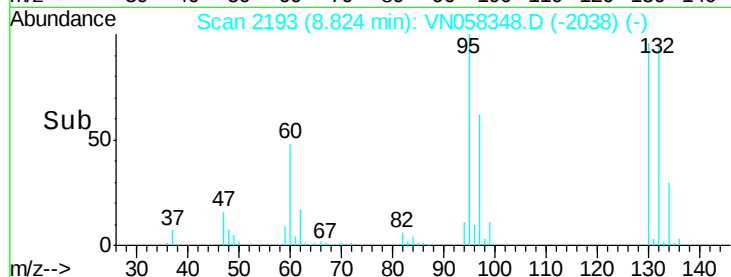
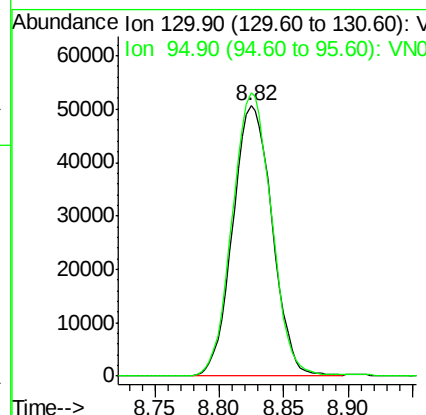
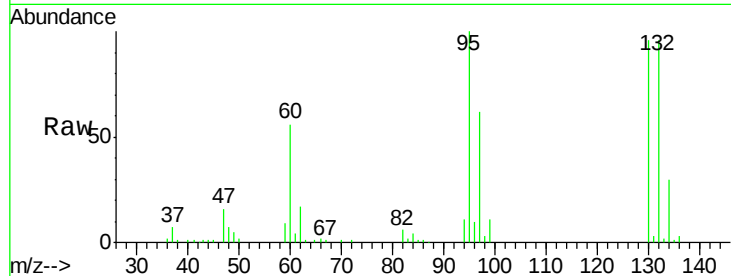
#37
 Trichloroethene
 Concen: 19.304 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
130	100		
95	104.7	83.3	124.9

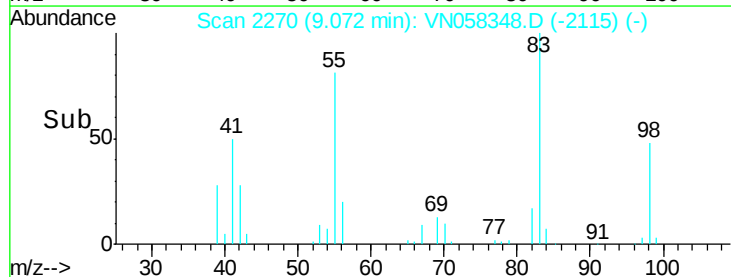
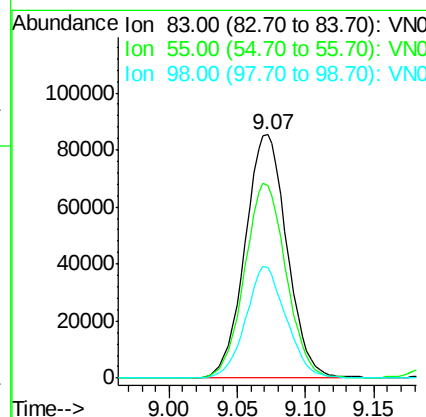
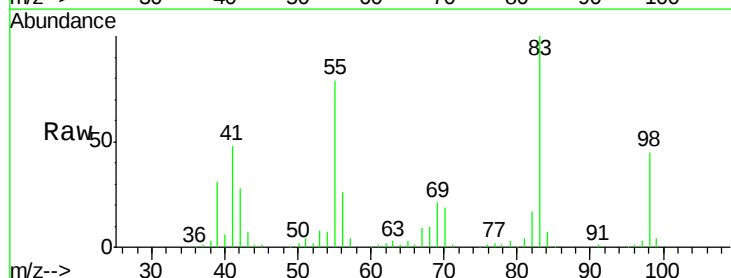
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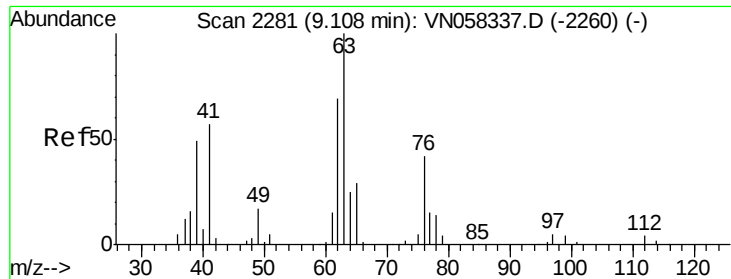
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#38
 Methylcyclohexane
 Concen: 19.160 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.1	40.5	121.4
98	44.3	23.1	69.2





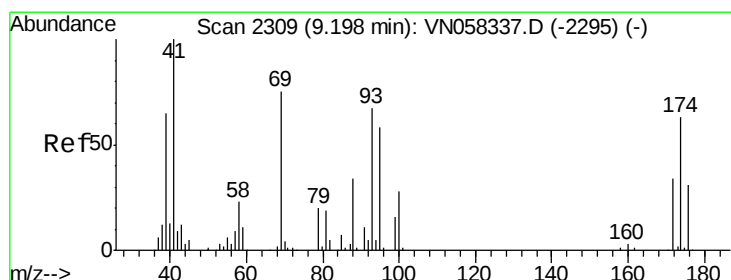
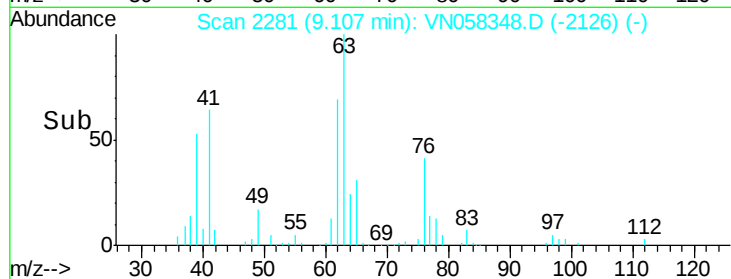
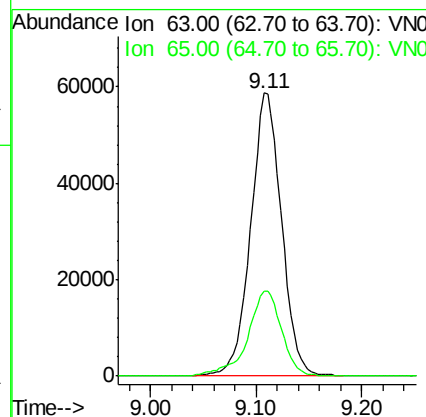
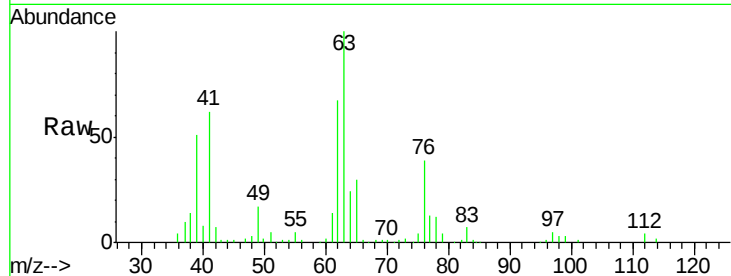
#39
 1,2-Dichloropropane
 Concen: 19.689 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 119781
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.4 35.0

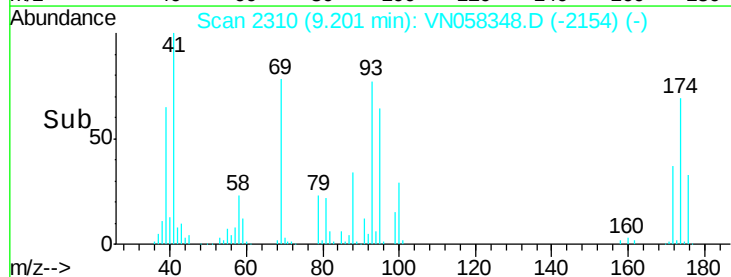
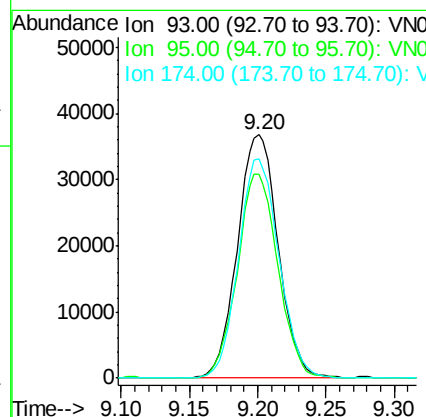
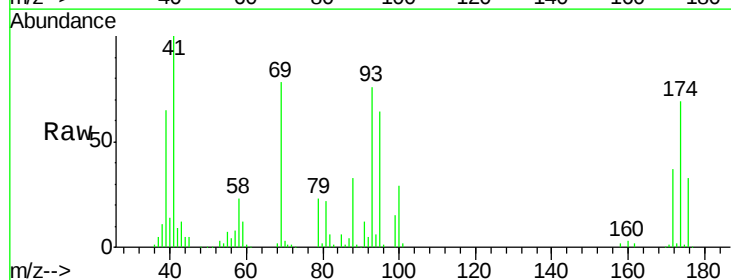
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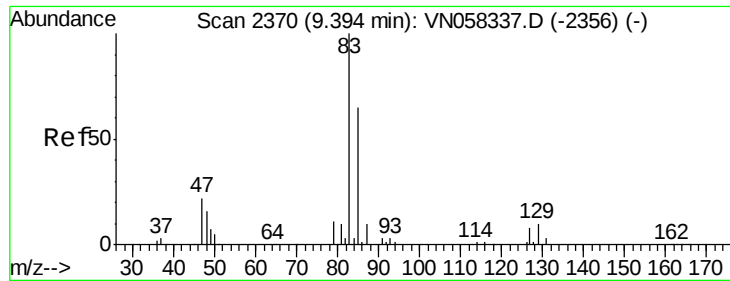
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#40
 Dibromomethane
 Concen: 19.846 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion: 93 Resp: 76200
 Ion Ratio Lower Upper
 93 100
 95 83.6 0.0 166.8
 174 89.8 0.0 187.2





#41

Bromodichloromethane

Concen: 19.023 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

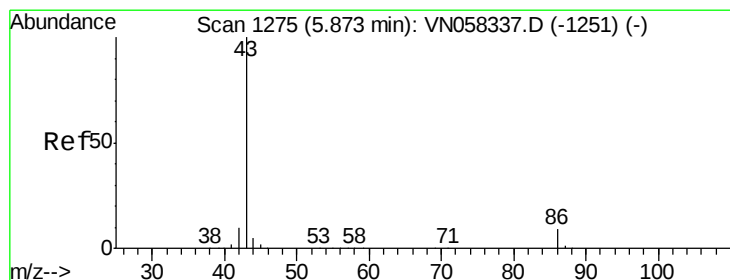
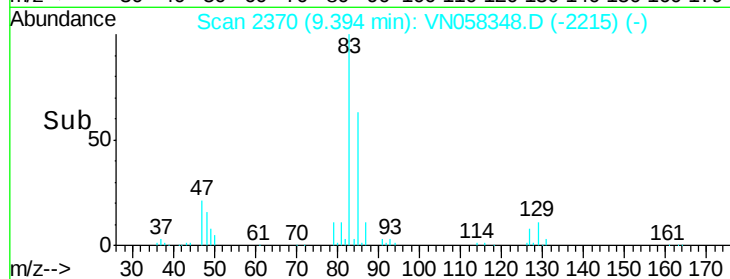
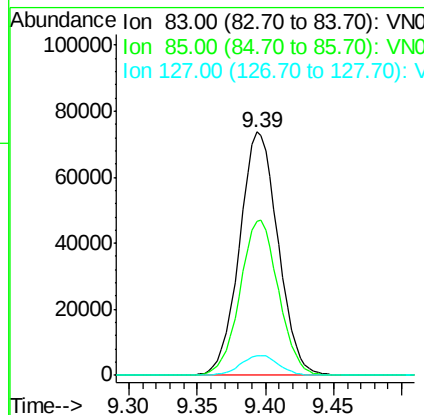
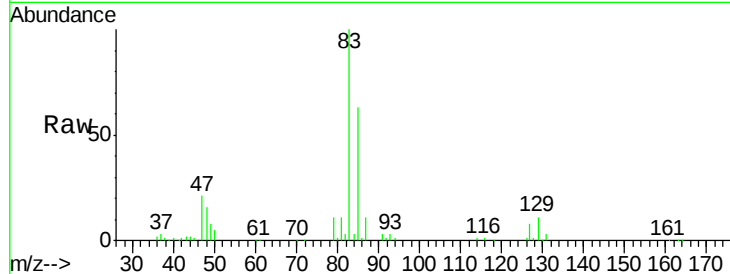
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	144368
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.0	78.0
127	7.9	6.1	9.1

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#42

Vinyl Acetate

Concen: 106.803 ug/l

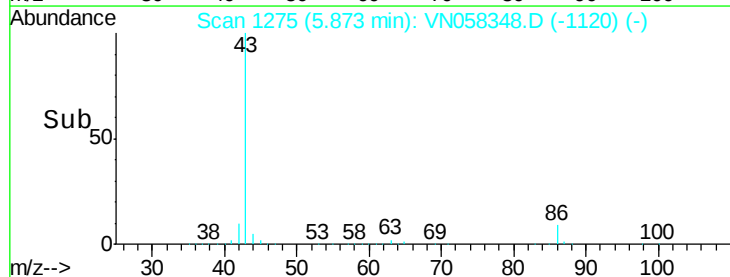
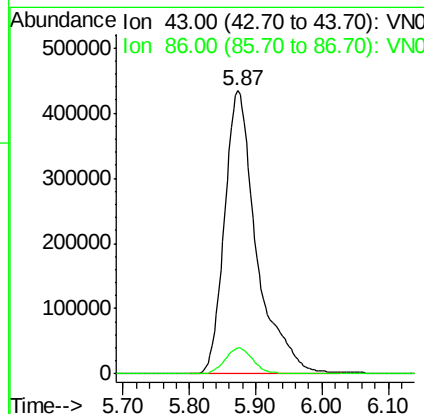
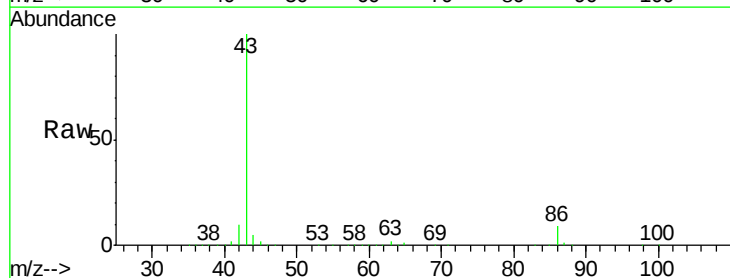
RT: 5.87 min Scan# 1275

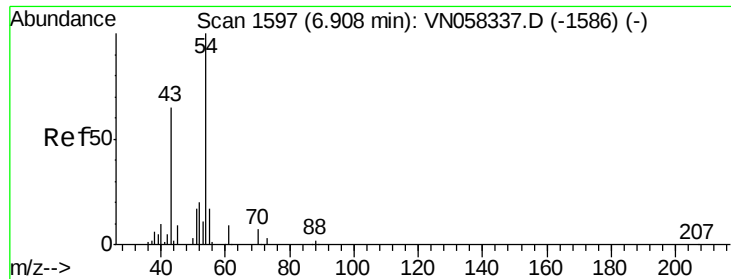
Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Tgt Ion:	43	Resp:	1455781
Ion Ratio	Lower	Upper	
43	100		
86	8.0	6.6	9.8





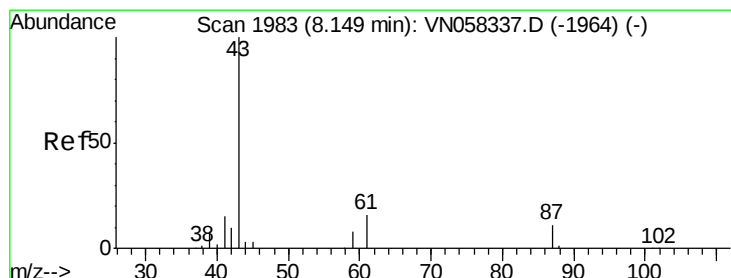
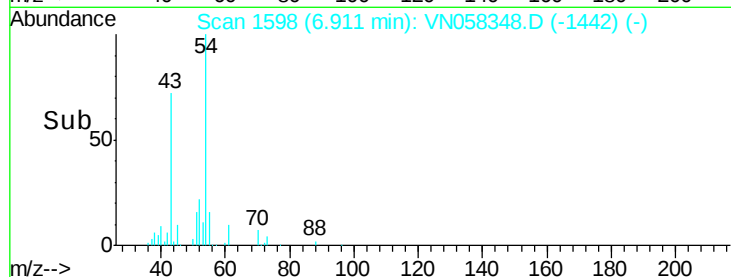
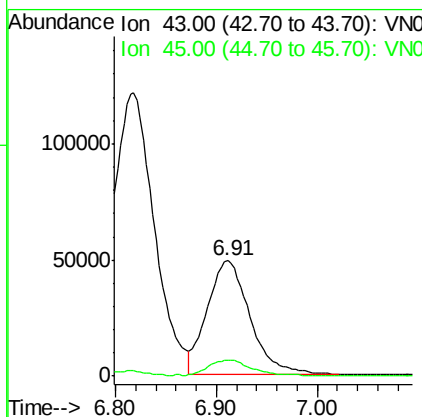
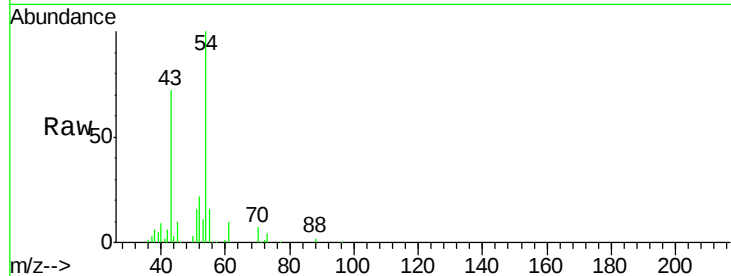
#43
Ethyl Acetate
Concen: 20.305 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC020EC

Tot Ion	43	Ratio	Lower	Upper
143921	100			
45	12.6	9.8	14.6	

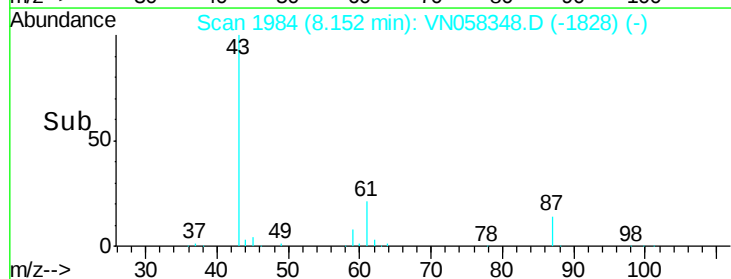
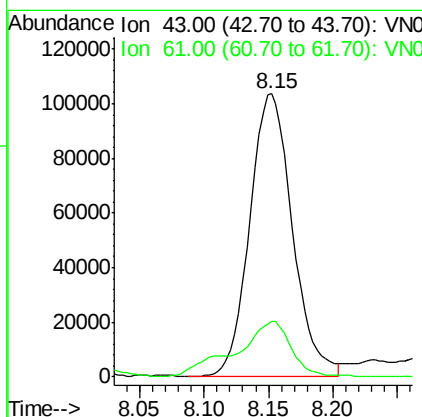
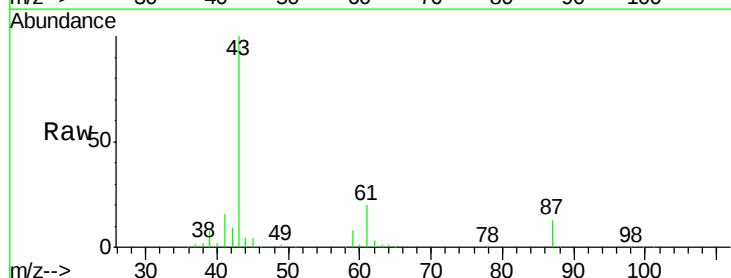
Manual Integrations
APPROVED

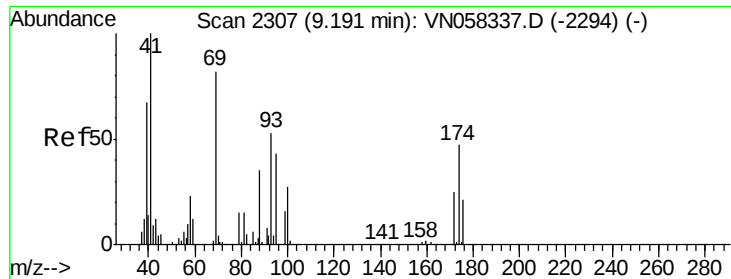
MMDadoda
9/25/2019 8:24:19 AM



#44
Isopropyl Acetate
Concen: 18.767 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	43	Ratio	Lower	Upper
238124	100			
61	18.4	14.4	21.6	





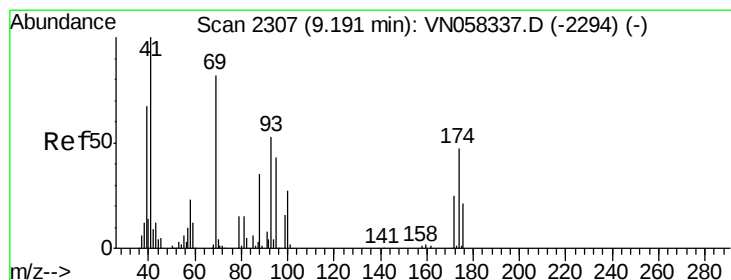
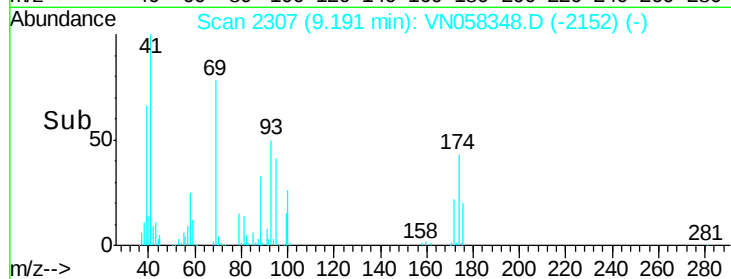
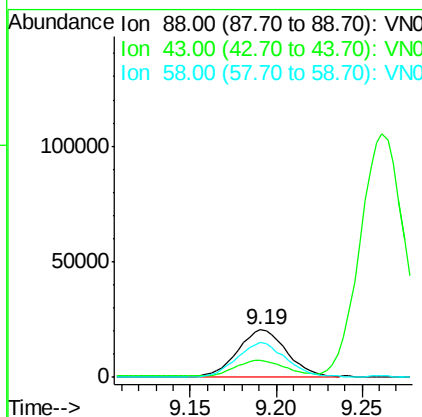
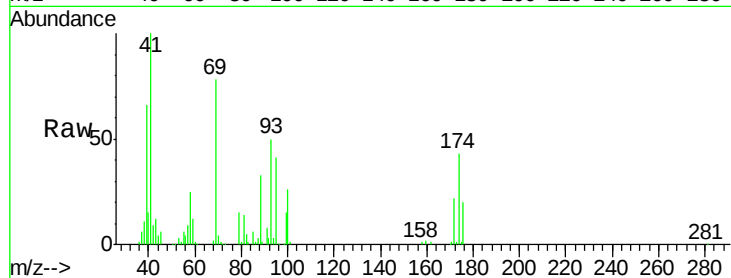
#45
 1,4-Dioxane
 Concen: 387.210 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.2	40.8
58	73.0	55.4	83.0

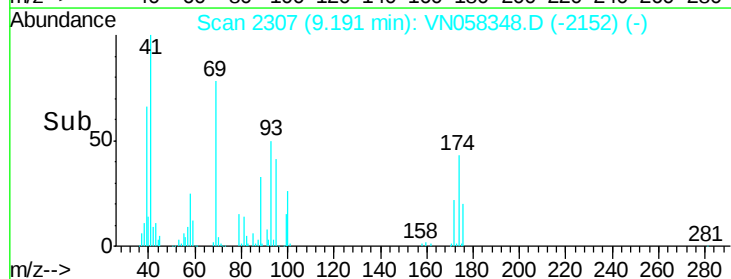
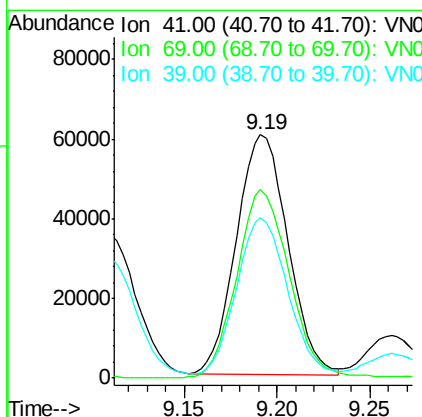
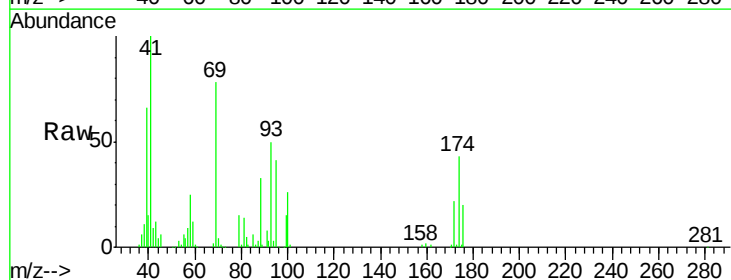
Manual Integrations
 APPROVED

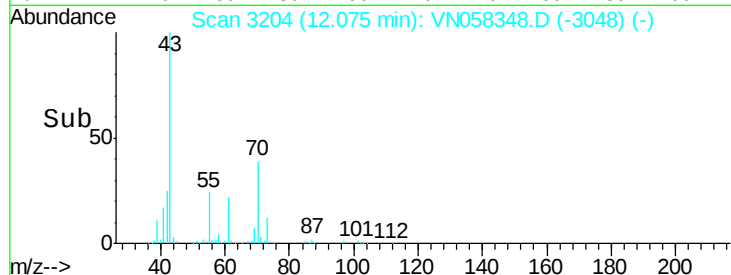
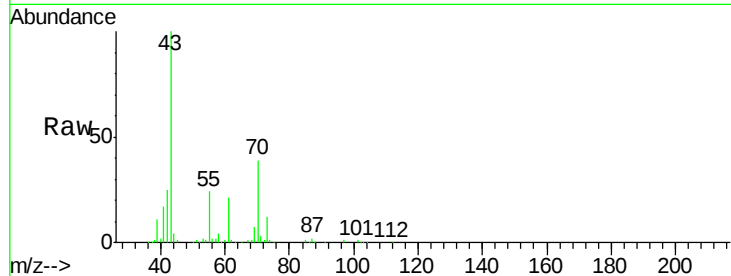
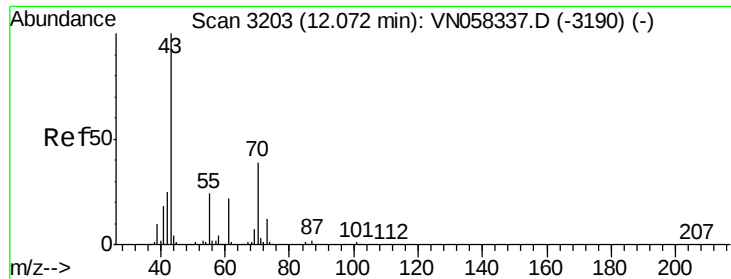
MMDadoda
 9/25/2019 8:24:19 AM



#46
 Methyl methacrylate
 Concen: 19.340 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.5	40.9	122.7
39	65.2	33.6	100.6





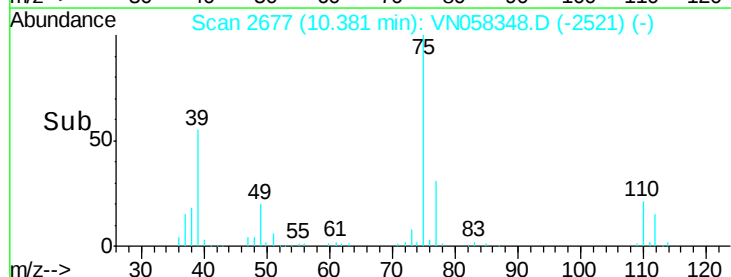
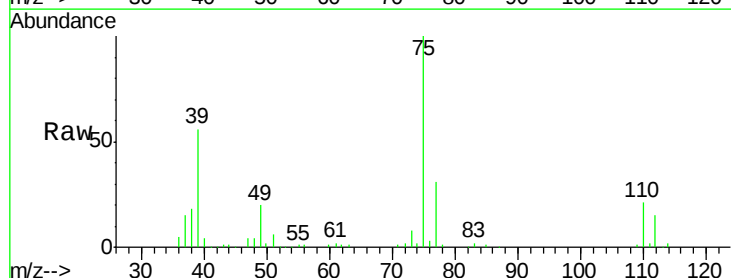
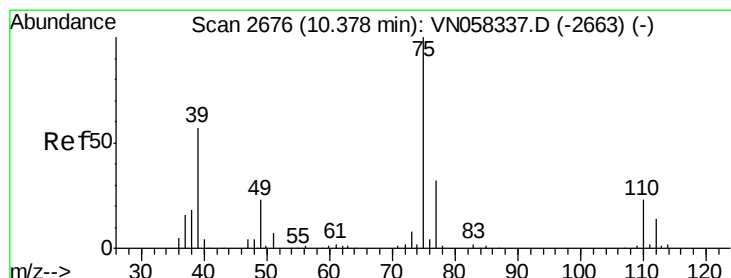
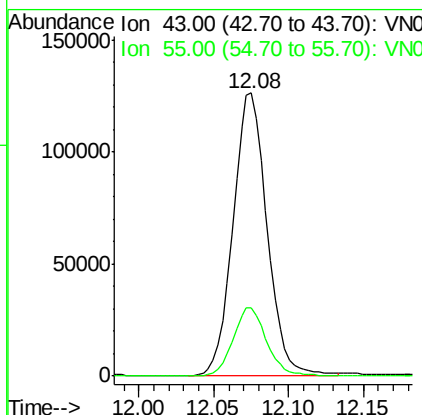
#47
n-amvl Acetate
Concen: 17.975 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tot Ion: 43 Resp: 198528
Ion Ratio Lower Upper
43 100
55 24.1 19.0 28.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

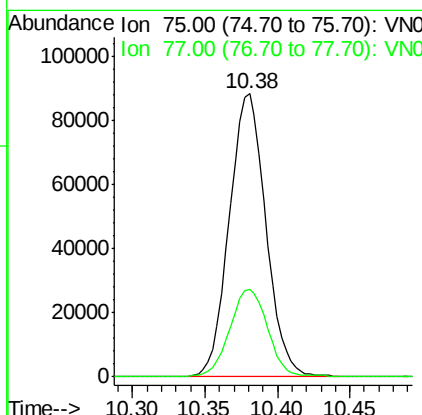
Manual Integrations
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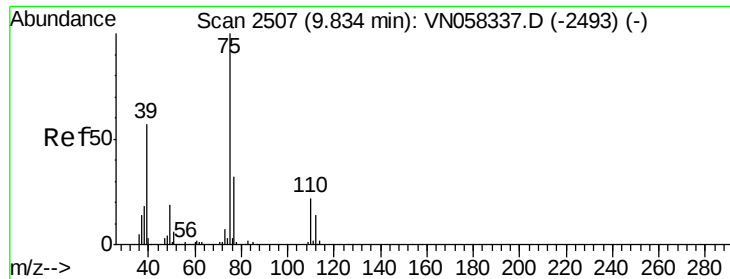
MMDadoda
9/25/2019 8:24:19 AM



#48
t-1,3-Dichloropropene
Concen: 18.679 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion: 75 Resp: 154900
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.0





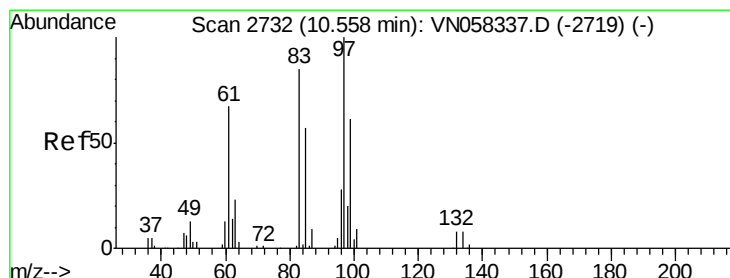
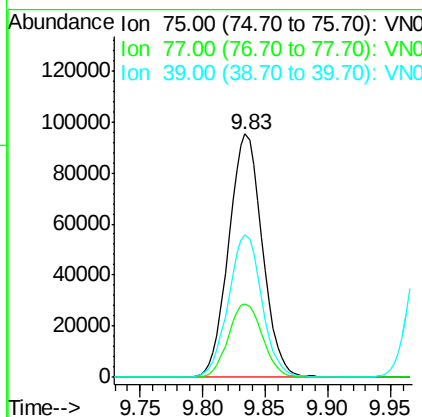
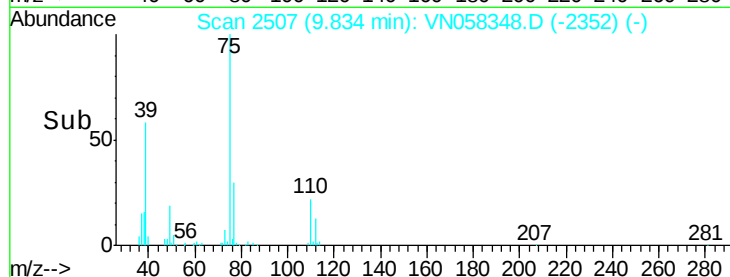
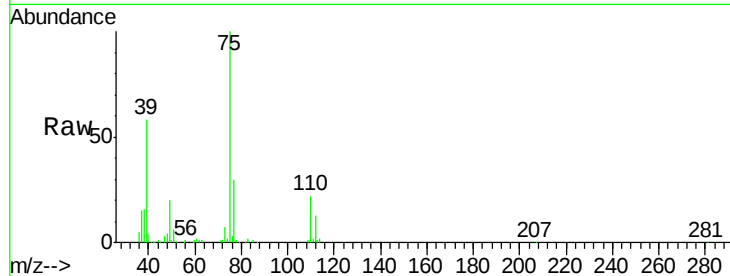
#49
 cis-1,3-Dichloropropene
 Concen: 19.227 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.2	37.8
39	58.0	45.8	68.6

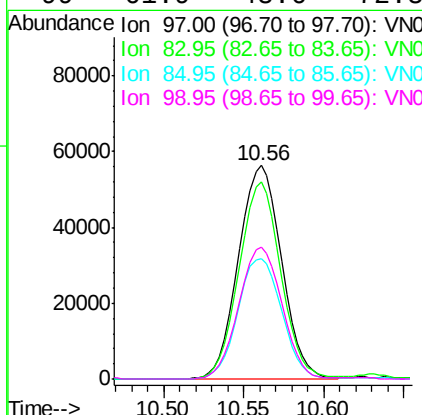
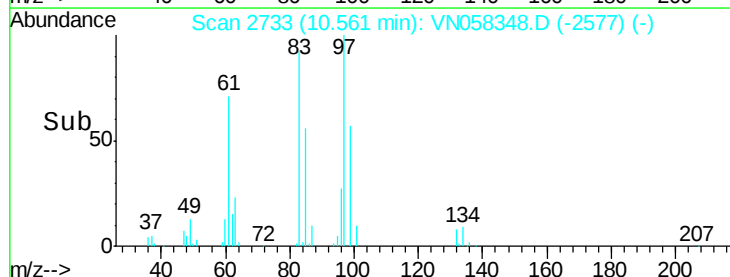
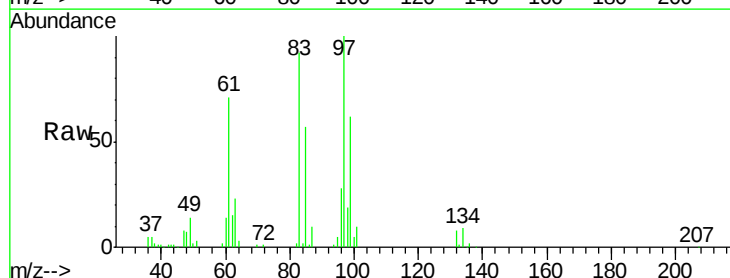
Manual Integrations
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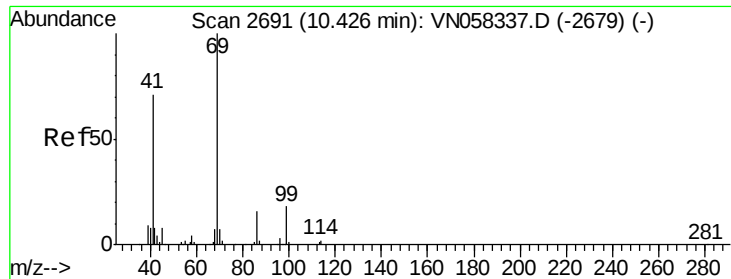
MMDadoda
 9/25/2019 8:24:19 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.311 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.2	67.8	101.6
85	56.5	45.8	68.6
99	61.9	48.6	72.8





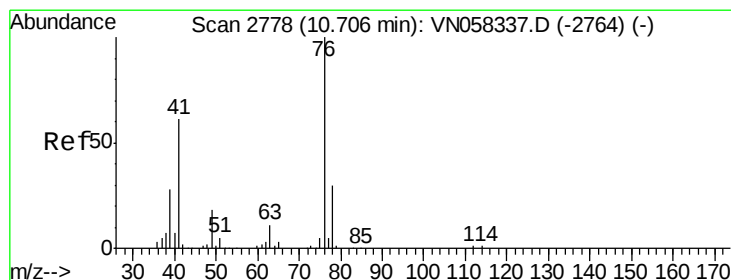
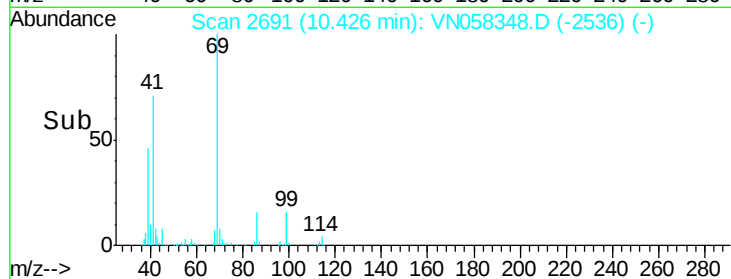
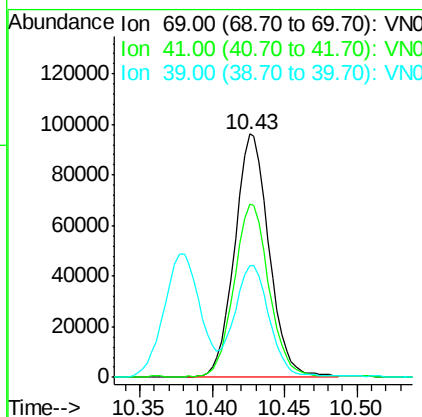
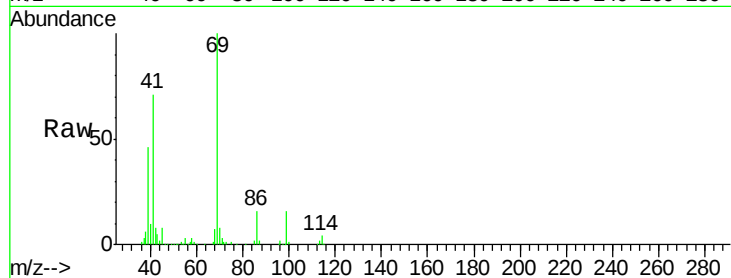
#51
Ethyl methacrylate
Concen: 18.719 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	70.9	35.4	106.1
39	45.3	23.5	70.5

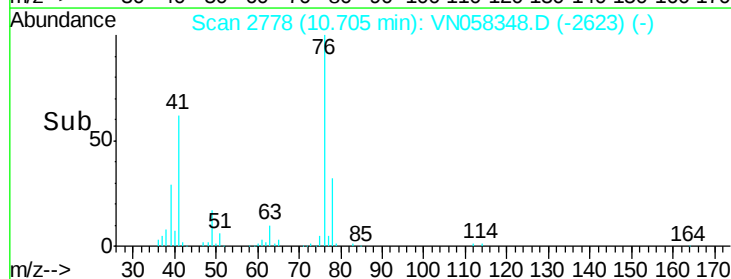
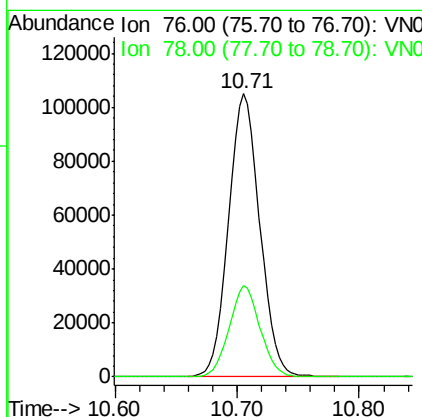
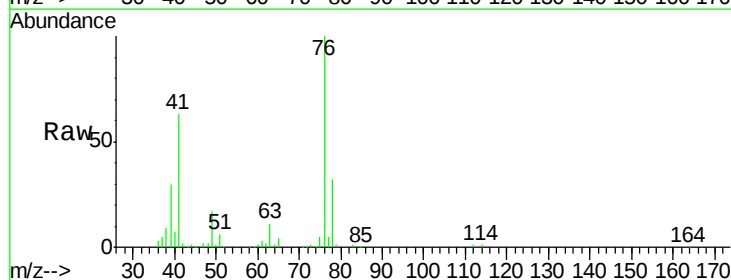
Manual Integrations
APPROVED

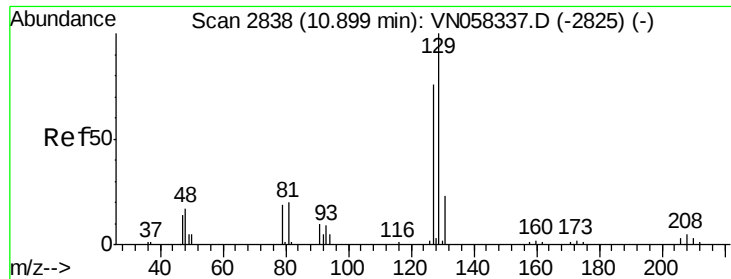
MMDadoda
9/25/2019 8:24:19 AM



#52
1,3-Dichloropropane
Concen: 19.711 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	63.0





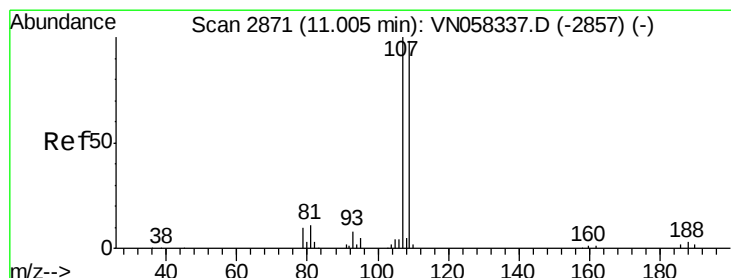
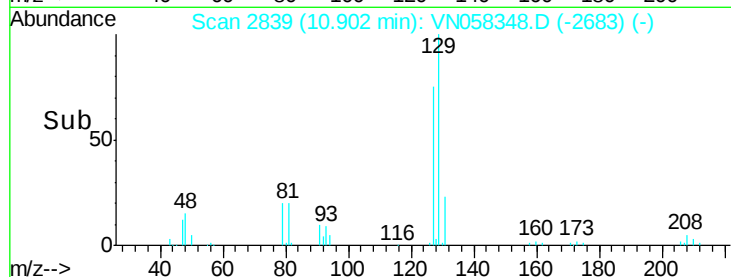
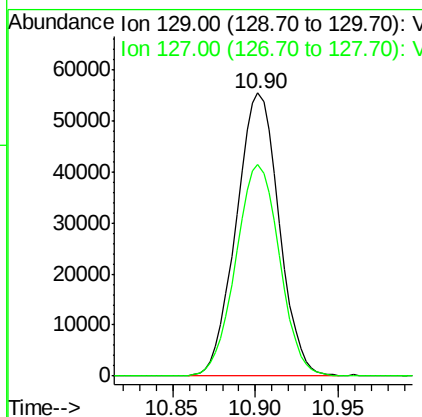
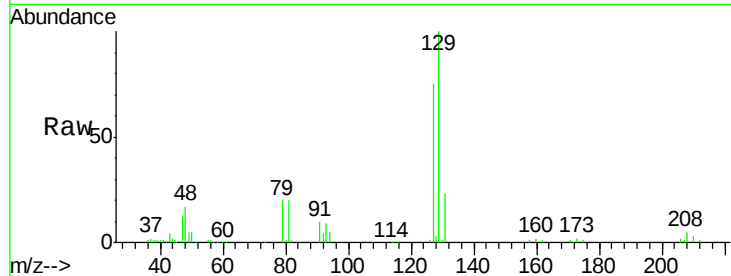
#53
 Dibromochloromethane
 Concen: 18.477 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 99607
 Ion Ratio Lower Upper
 129 100
 127 76.3 38.4 115.2

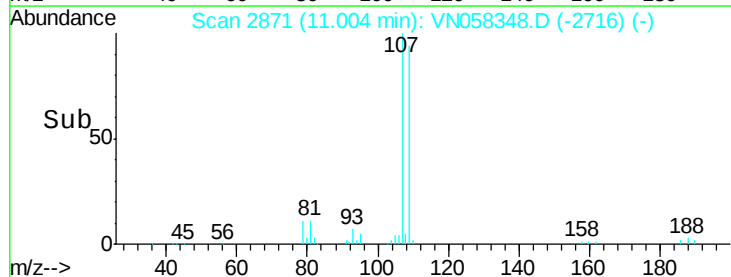
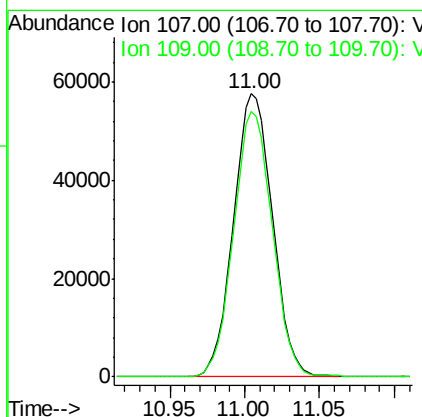
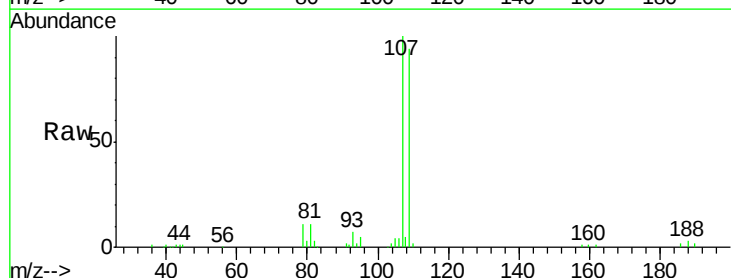
Manual Integrations
 APPROVED

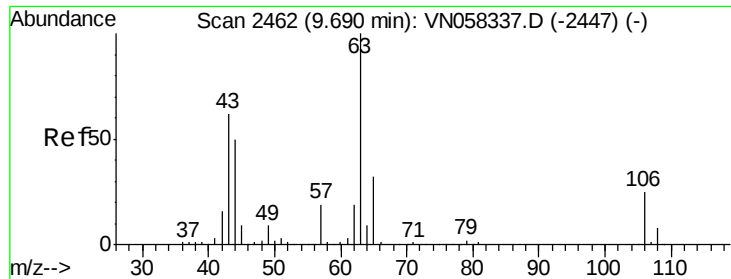
MMDadoda
 9/25/2019 8:24:19 AM



#54
 1,2-Dibromoethane
 Concen: 19.096 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion:107 Resp: 104571
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.5 114.7





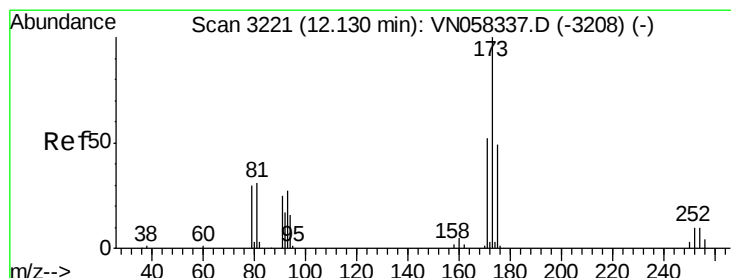
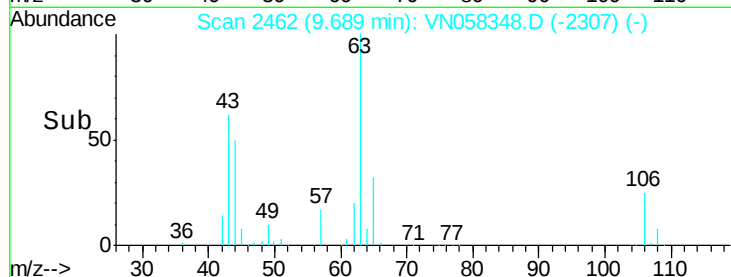
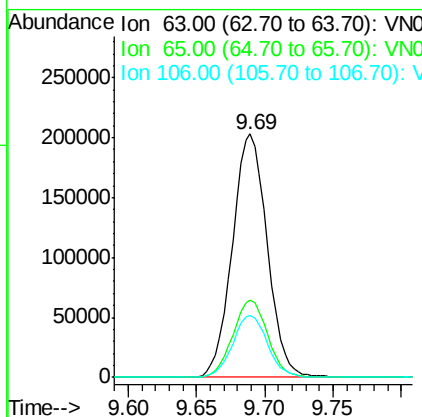
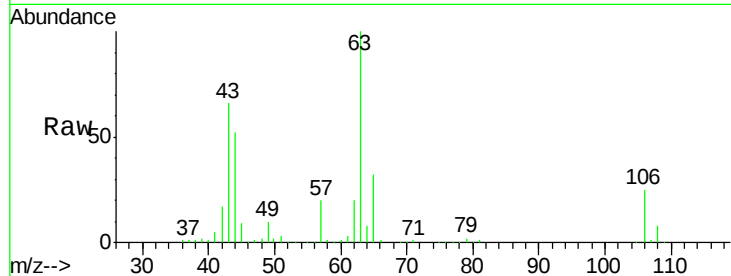
#55
2-Chloroethyl vinyl ether
Concen: 100.161 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	25.4	20.4	30.6

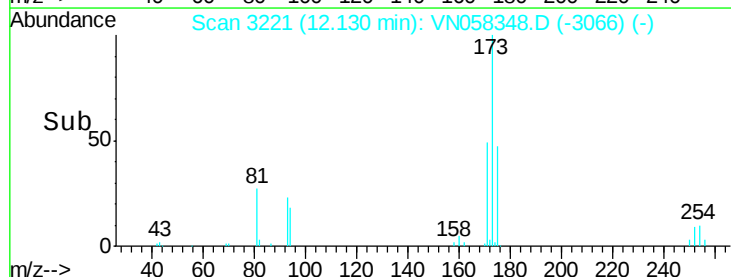
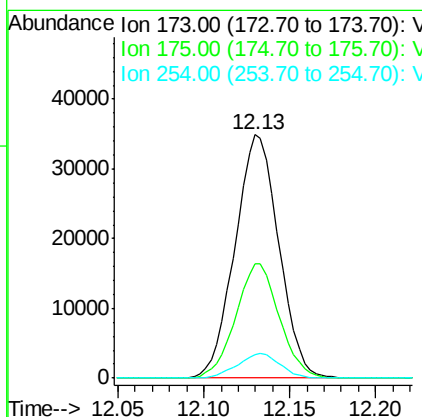
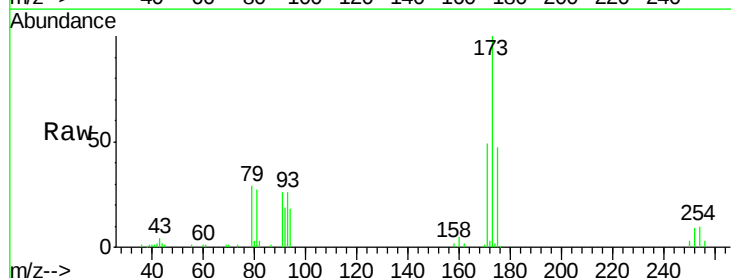
Manual Integrations
APPROVED

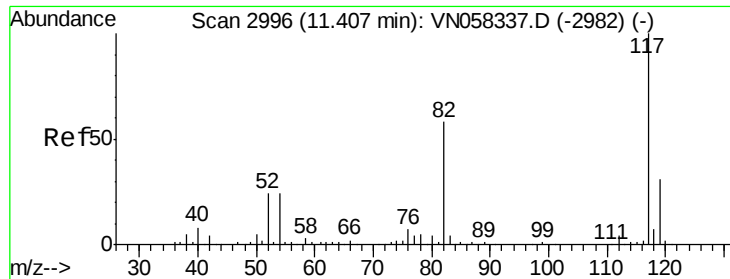
MMDadoda
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#56
Bromoform
Concen: 18.124 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.7	38.8	58.2
254	9.6	7.8	11.8





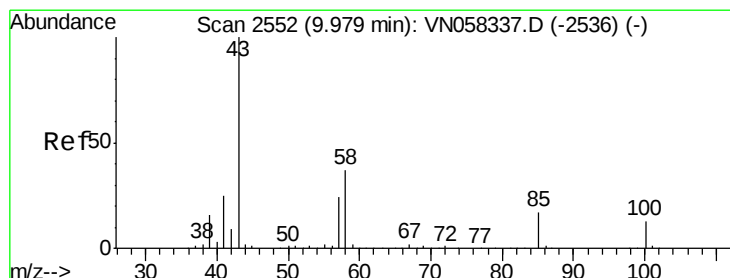
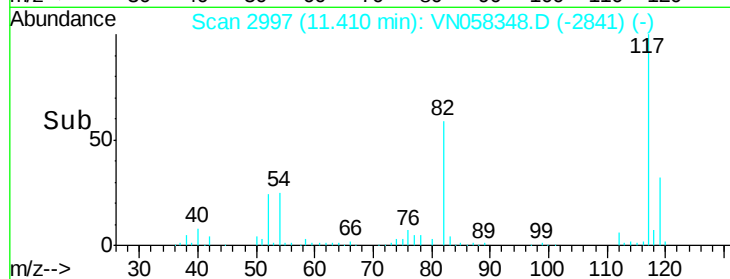
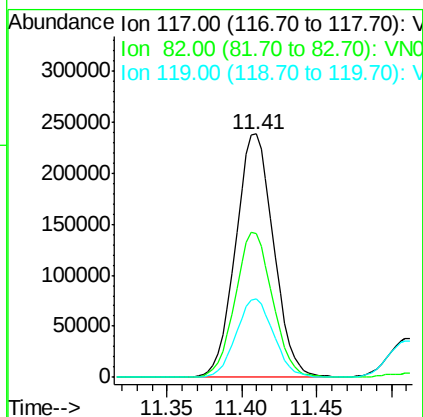
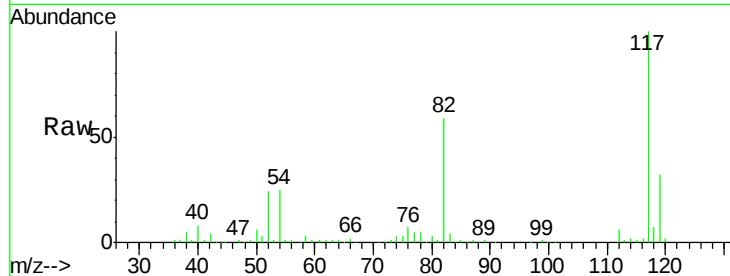
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.4	69.6
119	31.8	25.1	37.7

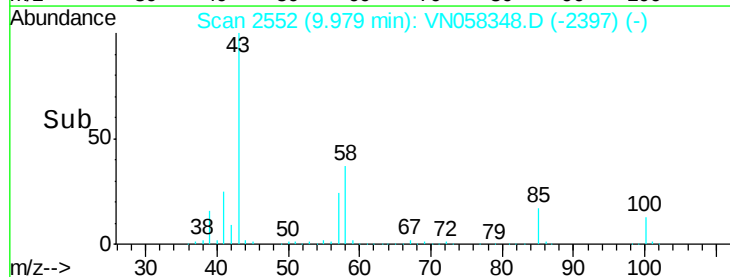
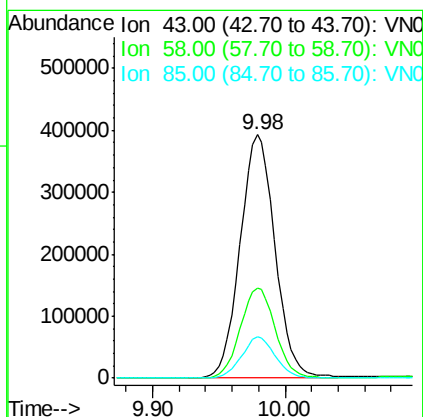
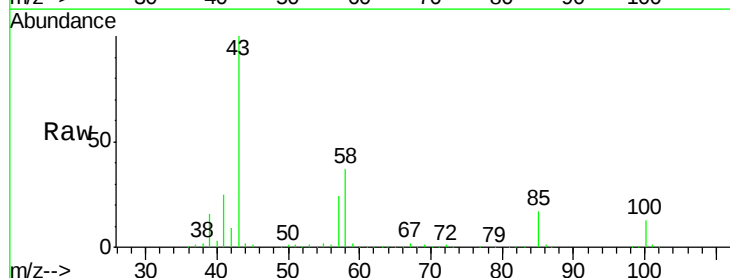
Manual Integrations
APPROVED

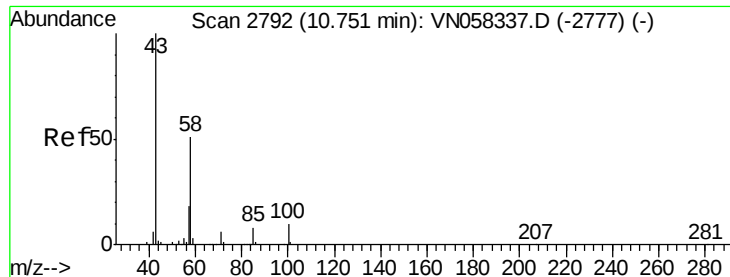
MMDadoda
9/25/2019 8:24:19 AM



#58
4-Methyl-2-Pentanone
Concen: 108.437 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.3	43.9
85	16.4	13.1	19.7





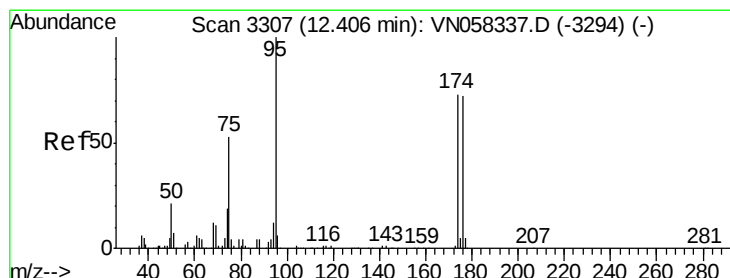
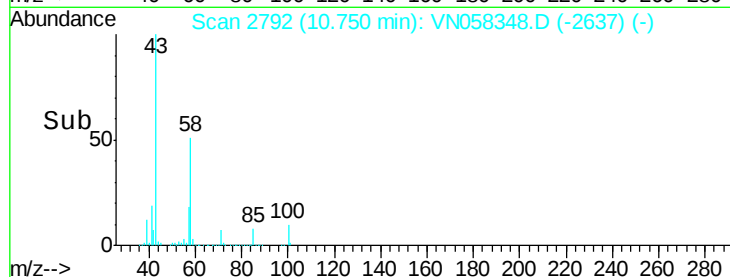
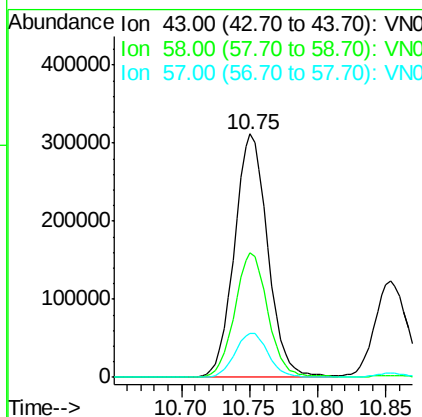
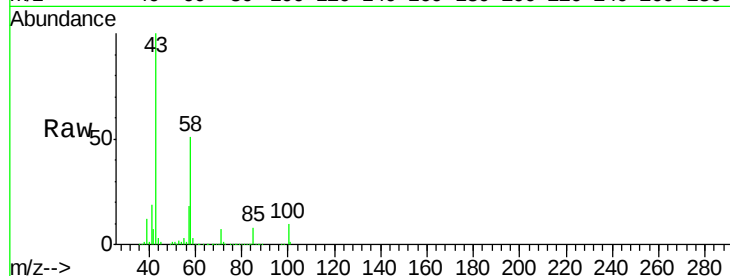
#59
2-Hexanone
Concen: 105.545 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	43	Resp:	527017
Ion Ratio		Lower	Upper
43	100		
58	51.1	40.7	61.1
57	18.3	14.7	22.1

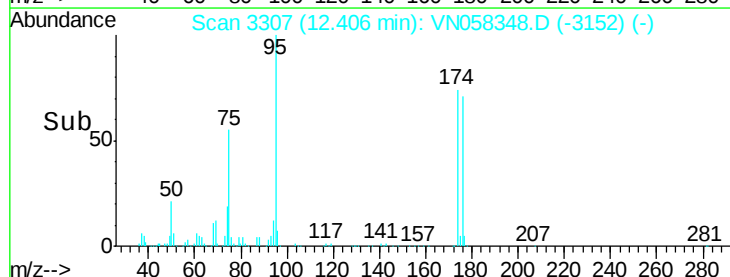
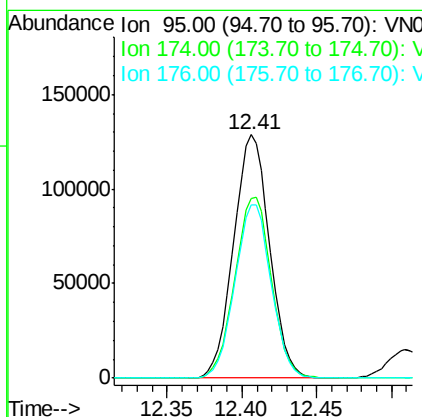
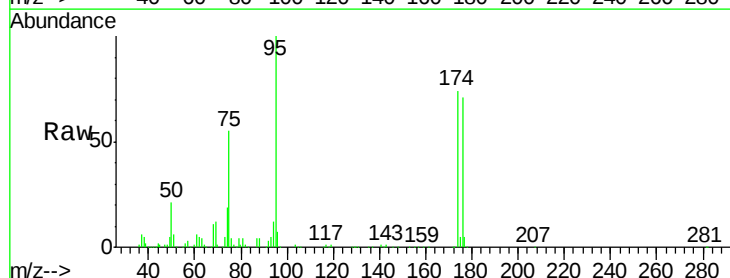
Manual Integrations
APPROVED

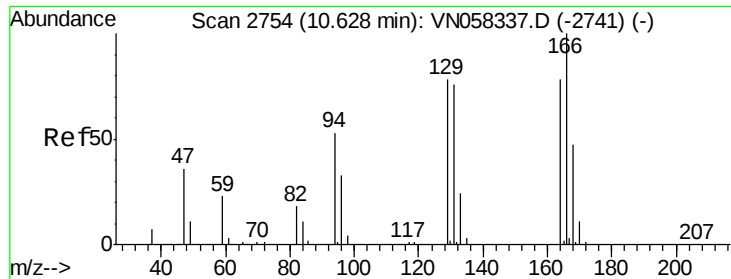
MMDadoda
9/25/2019 8:24:19 AM



#60
4-Bromofluorobenzene
Concen: 29.598 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion:	95	Resp:	215881
Ion Ratio		Lower	Upper
95	100		
174	75.4	59.0	88.6
176	71.7	58.2	87.2





#61

Tetrachloroethene

Concen: 19.606 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 86583

Ion Ratio Lower Upper

164 100

166 130.1 102.6 154.0

129 101.8 79.8 119.6

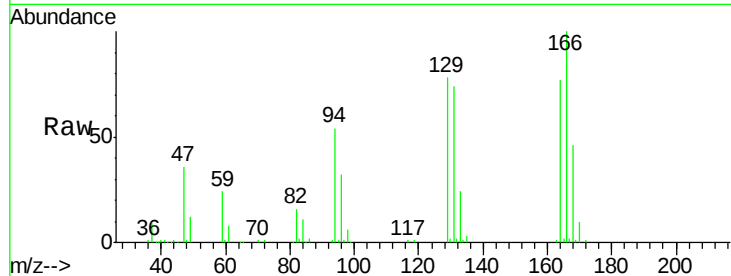
131 96.6 78.1 117.1

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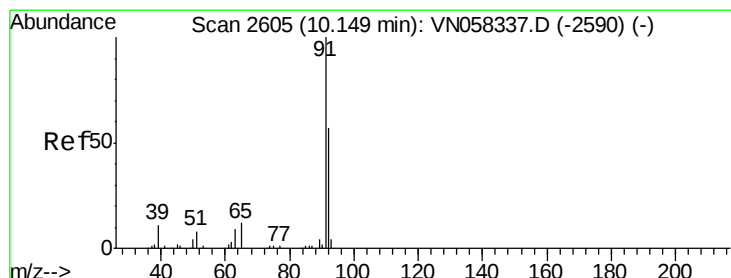
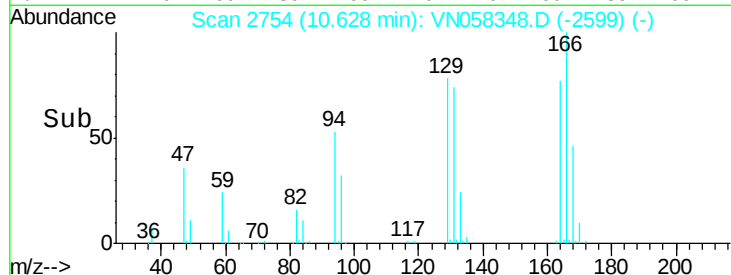
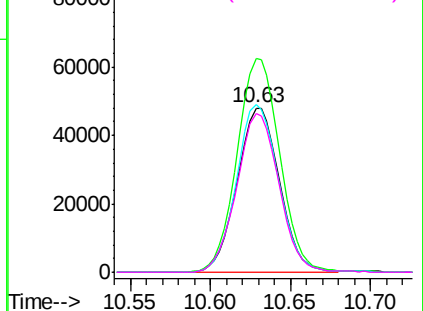


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.606 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058348.D

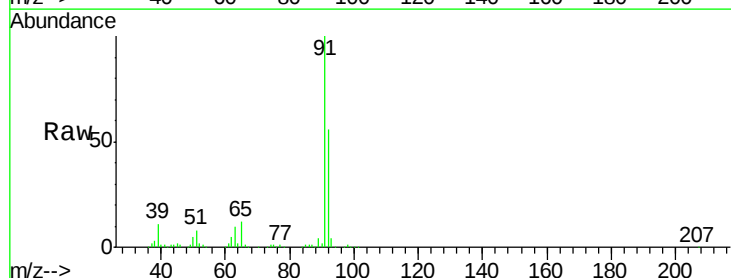
Acq: 24 Sep 2019 16:09

Tgt Ion: 91 Resp: 475712

Ion Ratio Lower Upper

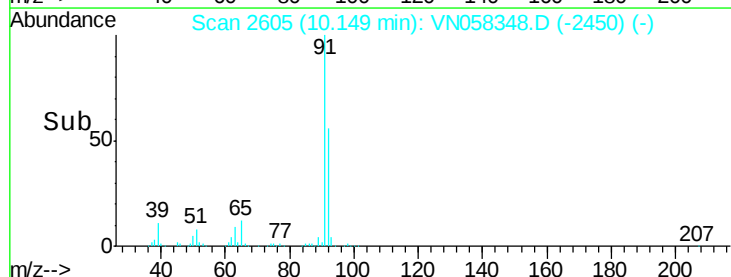
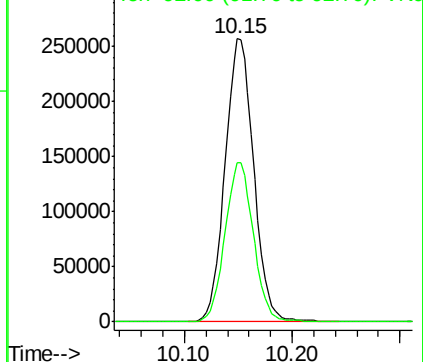
91 100

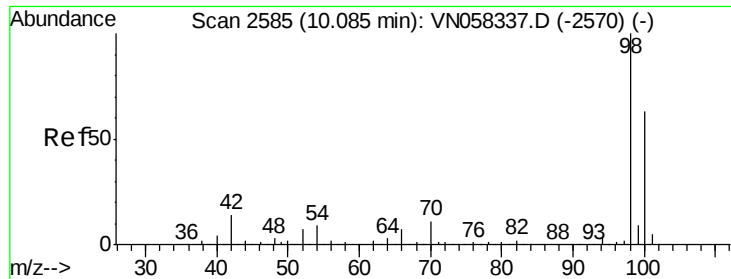
92 56.0 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.342 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 610400

Ion Ratio Lower Upper

98 100

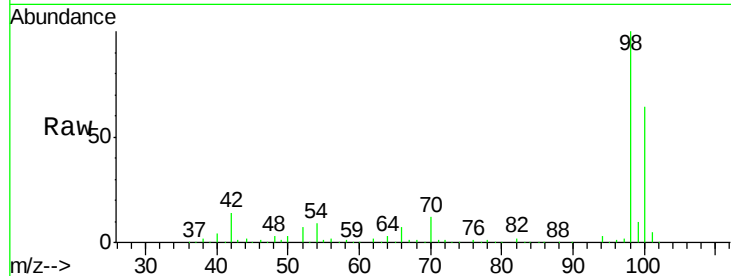
100 63.3 50.2 75.2

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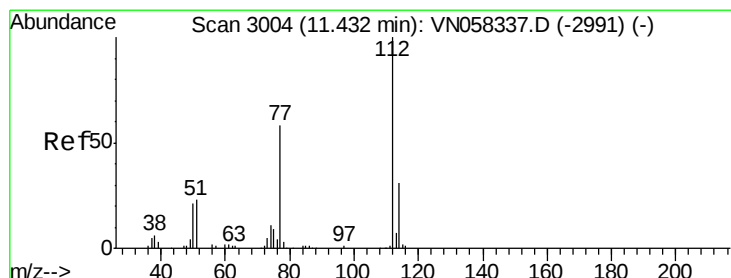
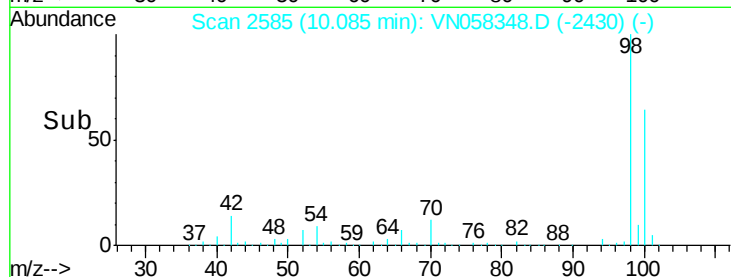
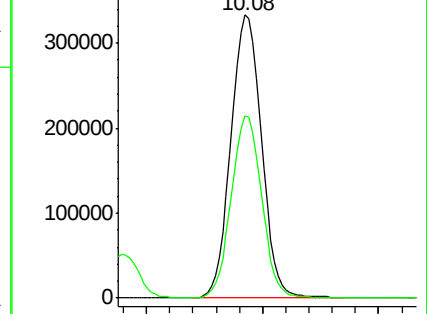
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Abundance Ion 98.00 (97.70 to 98.70): VN058337.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN058337.D (-2570) (-)



#64

Chlorobenzene

Concen: 19.696 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058348.D

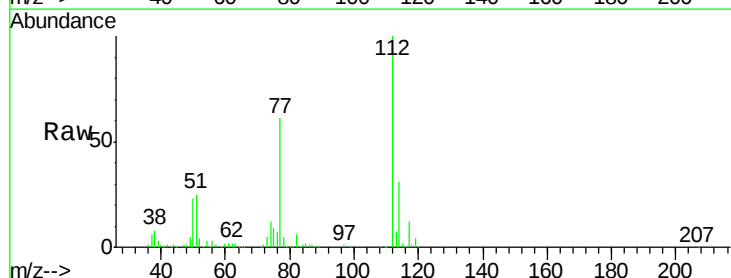
Acq: 24 Sep 2019 16:09

Tgt Ion: 112 Resp: 279428

Ion Ratio Lower Upper

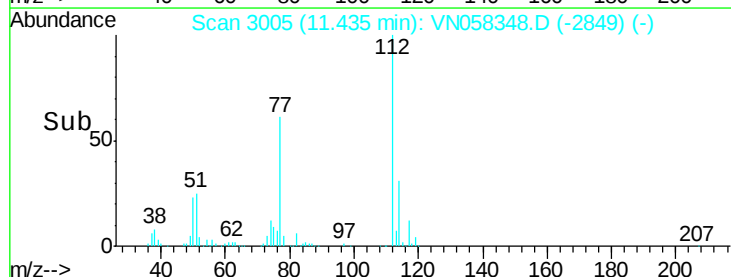
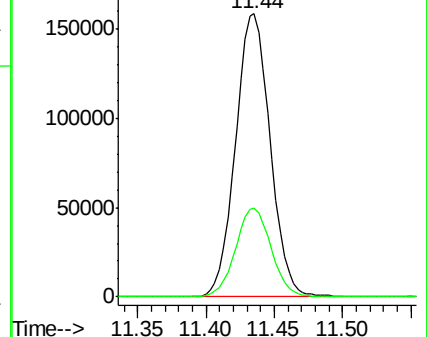
112 100

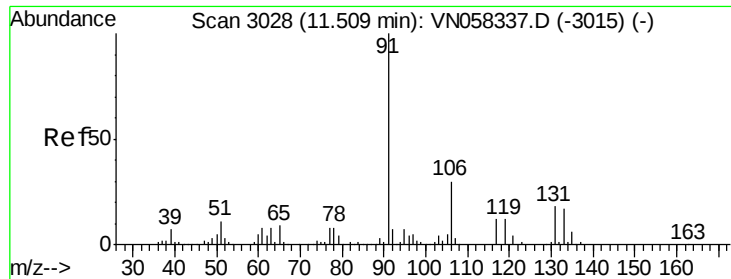
114 31.4 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN058337.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN058337.D (-2991) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.483 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

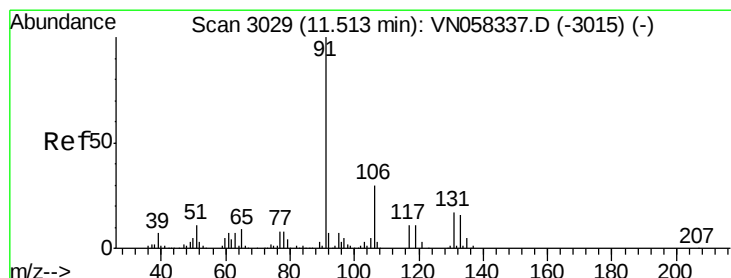
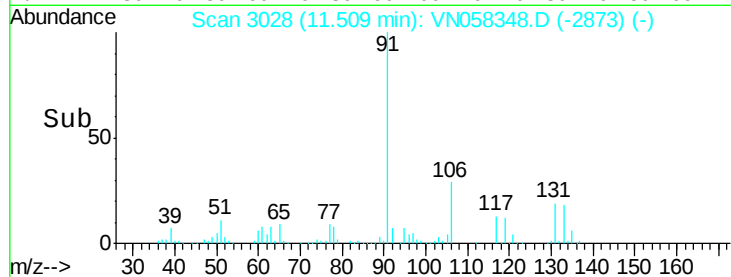
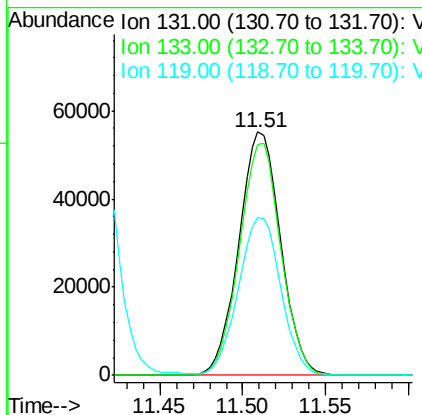
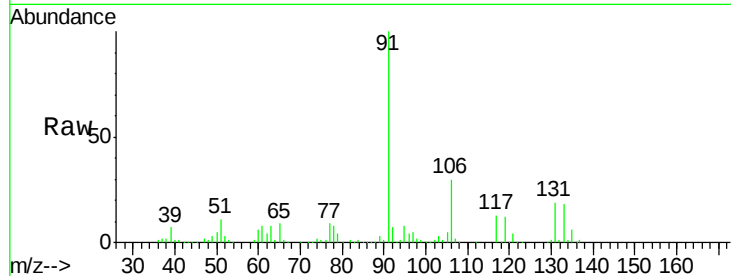
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.5	0.0	191.8
119	65.9	0.0	134.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.734 ug/l

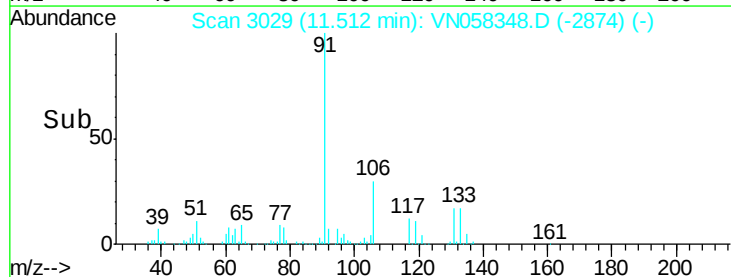
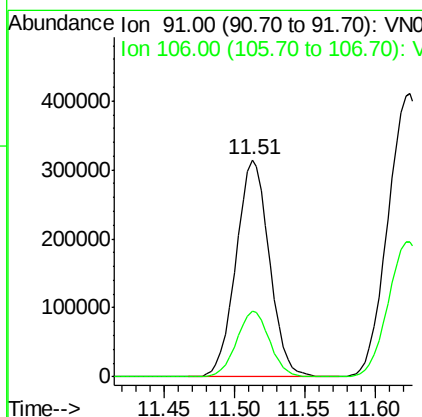
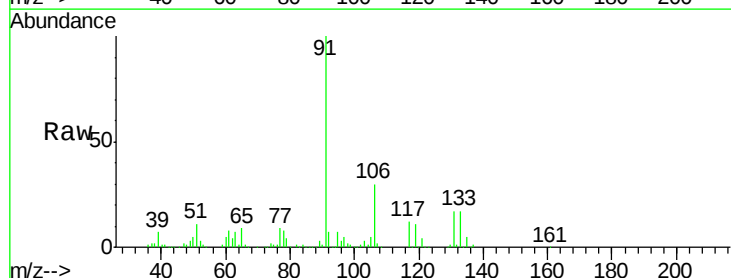
RT: 11.51 min Scan# 3029

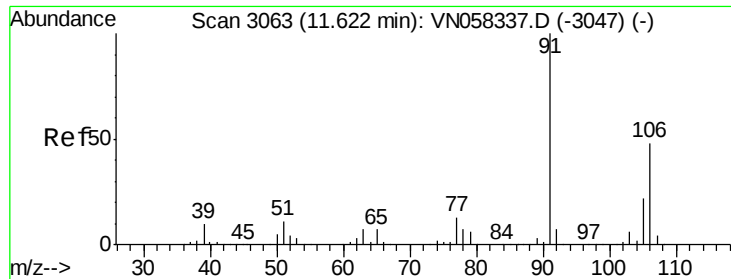
Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.2	36.4





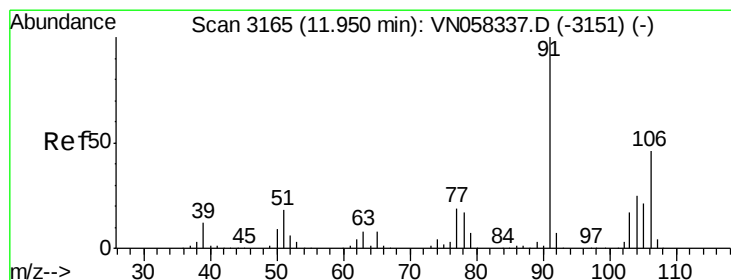
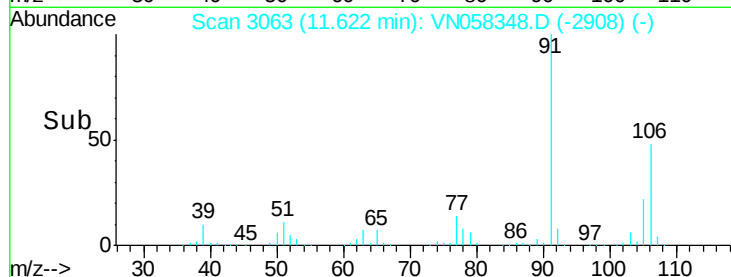
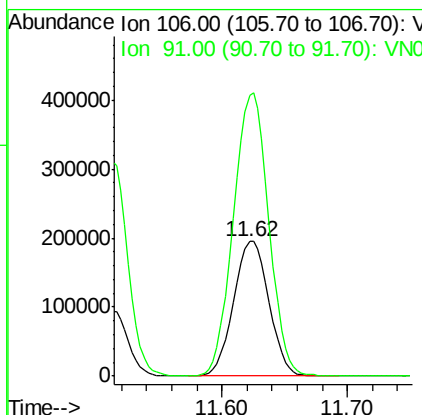
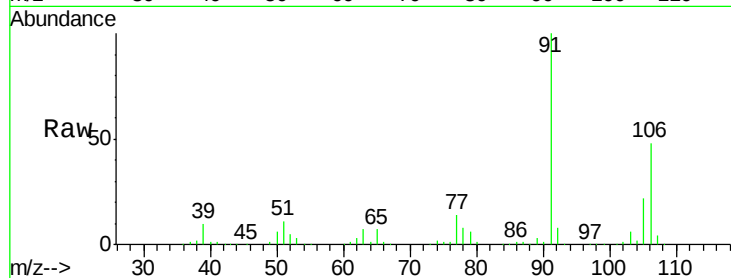
#67
m/p-Xvlenes
Concen: 39.596 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 382688
Ion Ratio Lower Upper
106 100
91 209.4 167.8 251.6

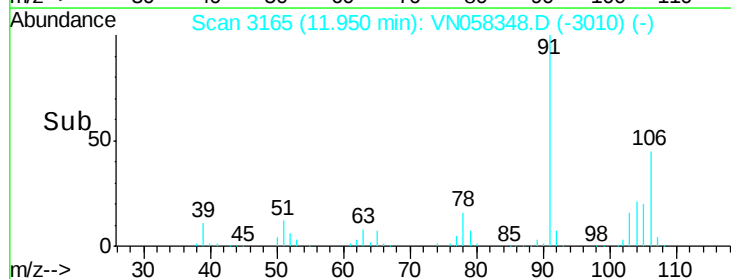
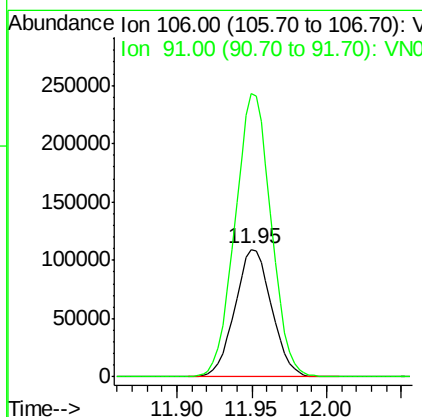
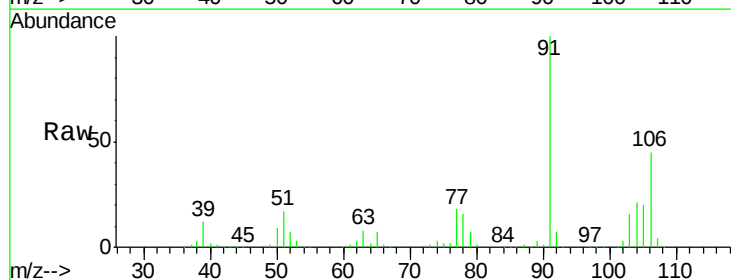
Manual Integrations
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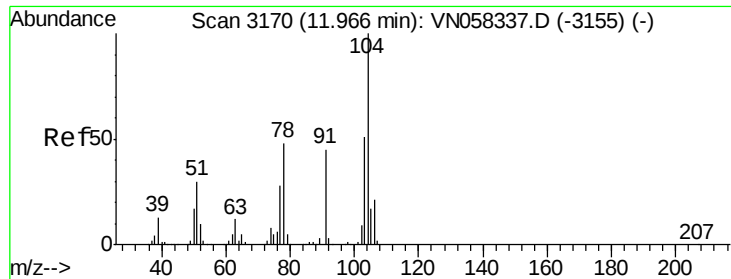
MMDadoda
9/25/2019 8:24:19 AM



#68
o-Xylene
Concen: 19.837 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion:106 Resp: 186420
Ion Ratio Lower Upper
106 100
91 218.5 108.7 325.9





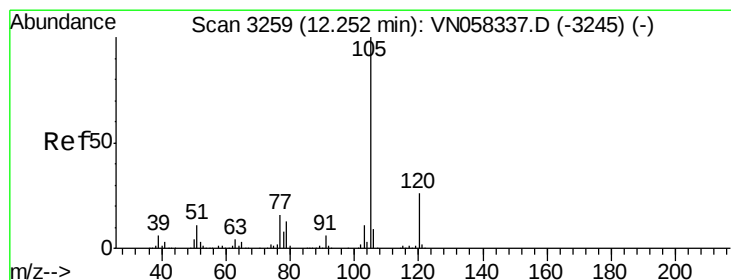
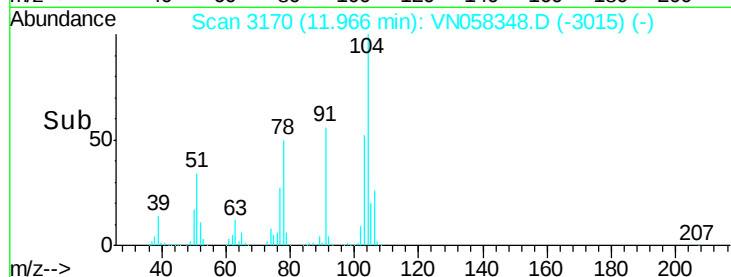
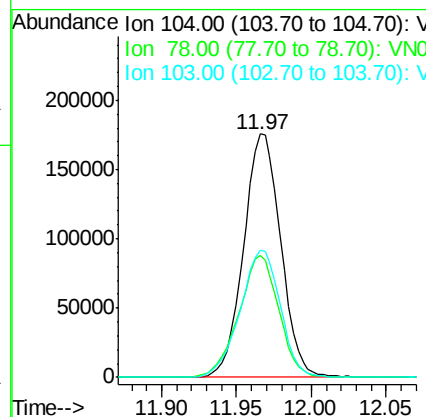
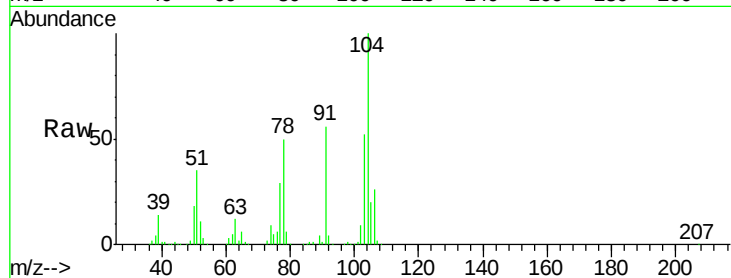
#69
Stvrene
Concen: 19.348 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	304064		
78	53.8	42.3	63.5	
103	56.4	44.1	66.1	

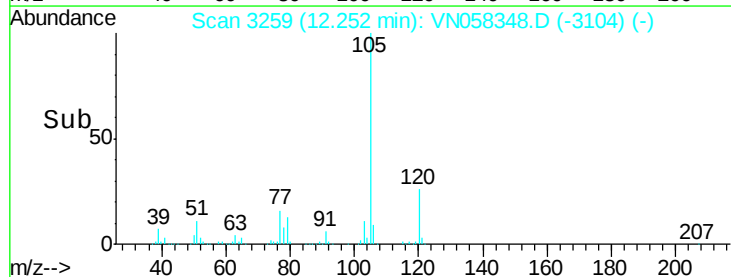
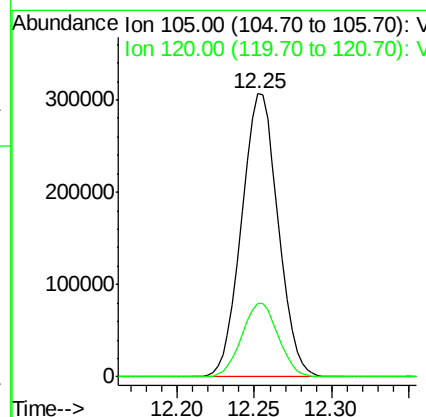
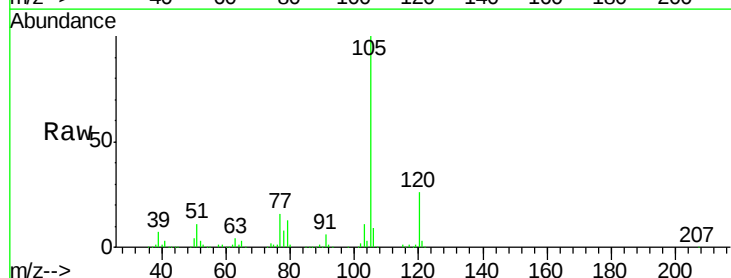
Manual Integrations
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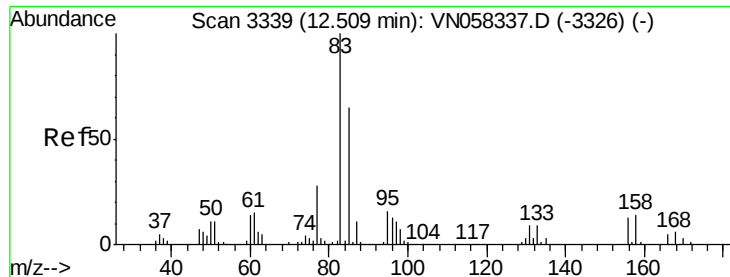
MMDadoda
9/25/2019 8:24:19 AM



#70
Isopropylbenzene
Concen: 20.707 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	504296		
120	26.0	18.2	33.8	





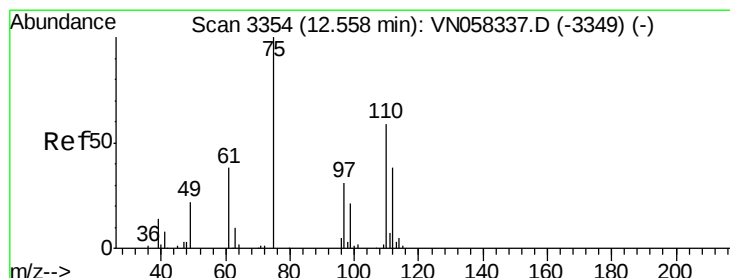
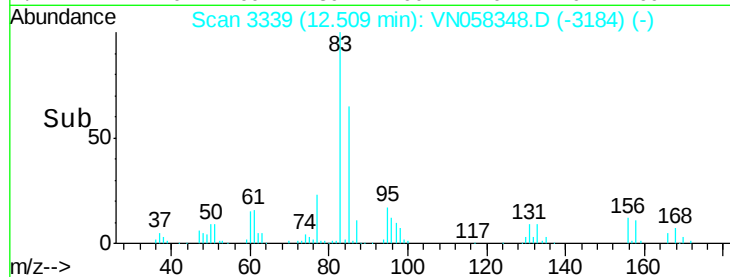
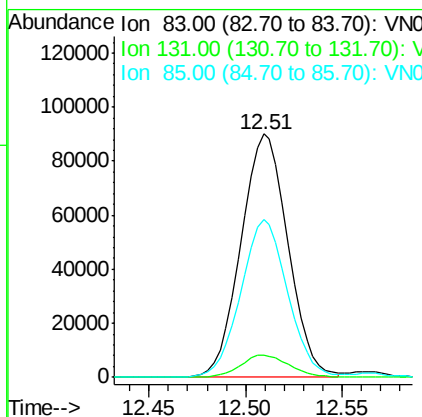
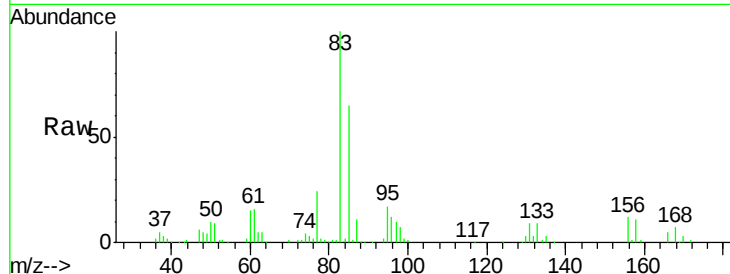
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.650 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	152094
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.5	32.6	97.7

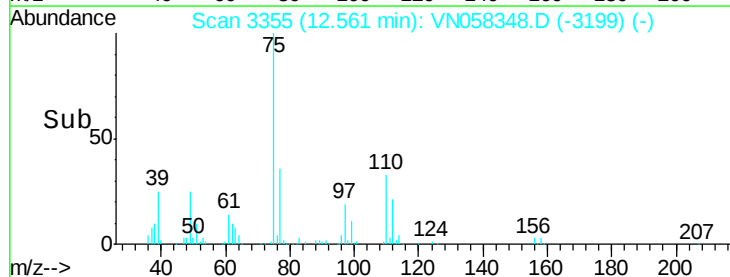
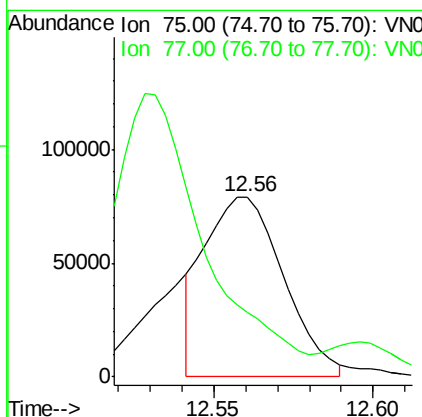
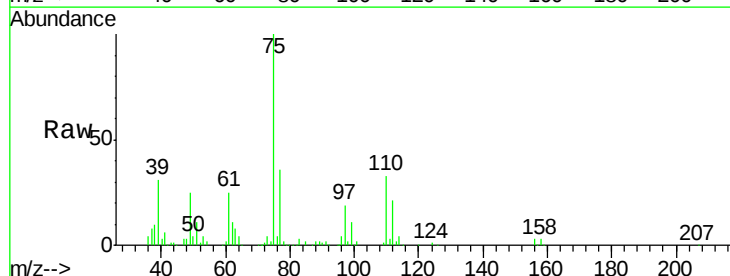
Manual Integrations
 APPROVED

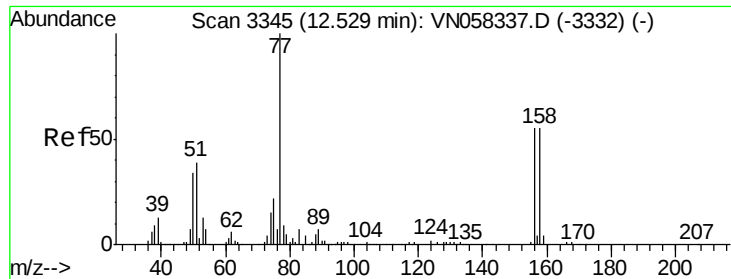
MMDadoda
 9/25/2019 8:24:19 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.491 ug/l m
 RT: 12.56 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	75	Resp	136401
Ion Ratio	100	Lower	Upper
75	100		
77	187.6	0.0	382.4





#73

Bromobenzene

Concen: 19.235 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

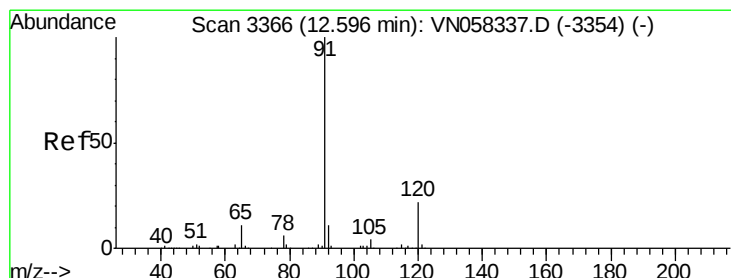
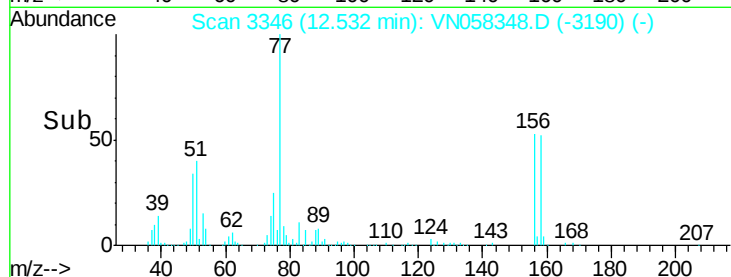
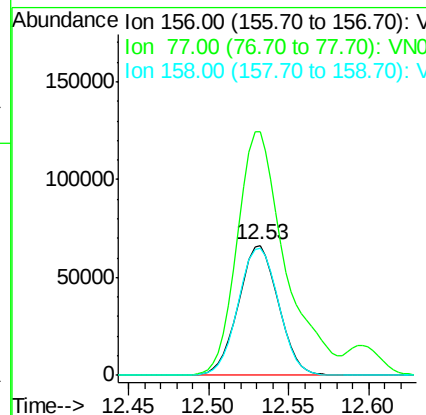
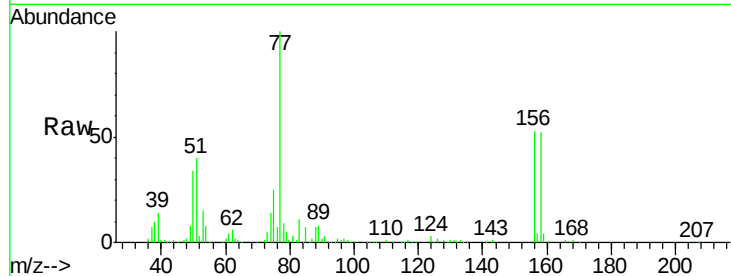
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	113462
Ion Ratio	Lower	Upper	
156	100		
77	225.6	0.0	438.8
158	99.2	0.0	195.6

Manual Integrations
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#74

n-propylbenzene

Concen: 21.147 ug/l

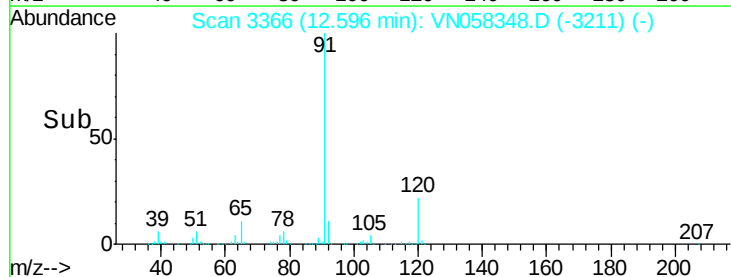
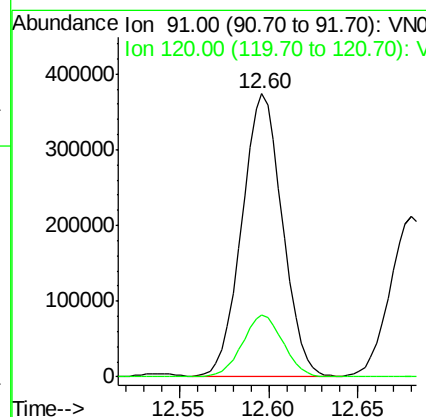
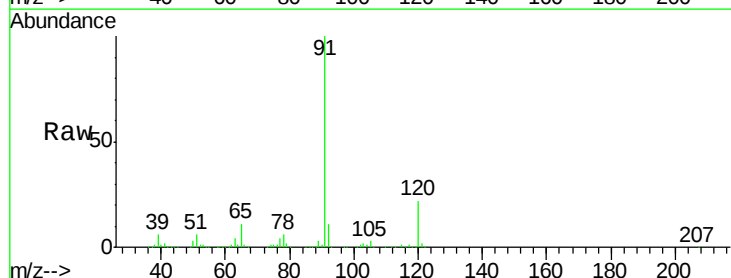
RT: 12.60 min Scan# 3366

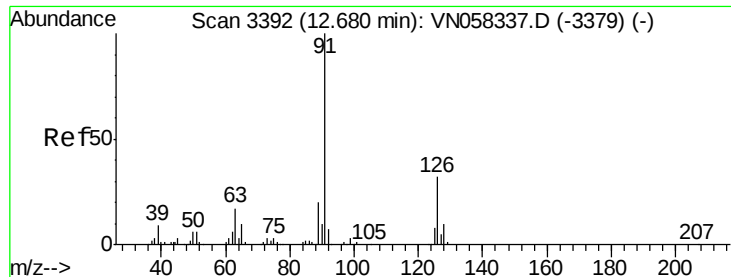
Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Tgt Ion:	91	Resp:	593721
Ion Ratio	Lower	Upper	
91	100		
120	22.0	0.0	44.0





#75

2-Chlorotoluene

Concen: 20.049 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 352117

Ion Ratio Lower Upper

91 100

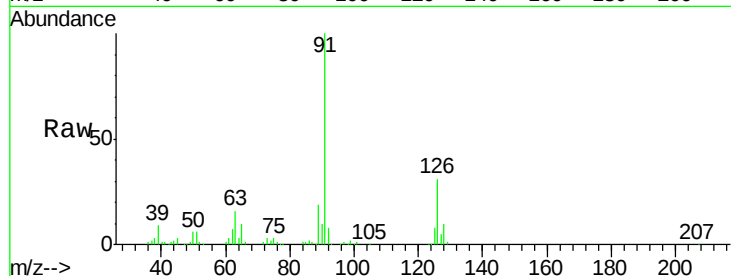
126 31.4 0.0 65.0

Manual Integrations

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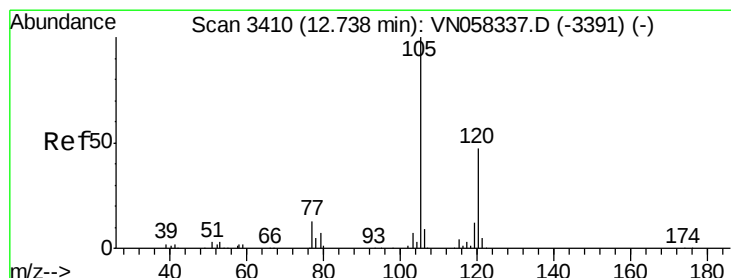
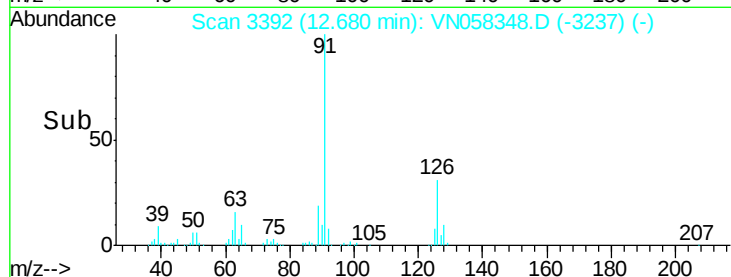
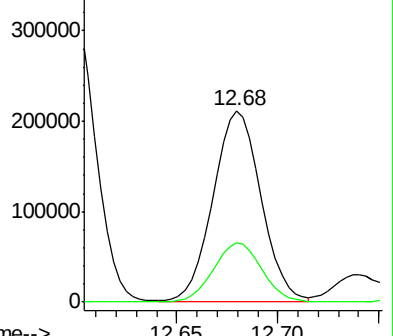
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058337.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.407 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058348.D

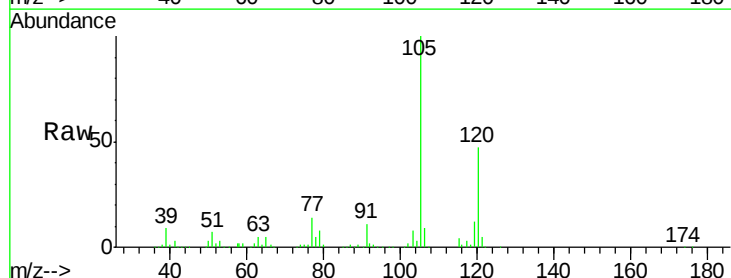
Acq: 24 Sep 2019 16:09

Tgt Ion: 105 Resp: 427932

Ion Ratio Lower Upper

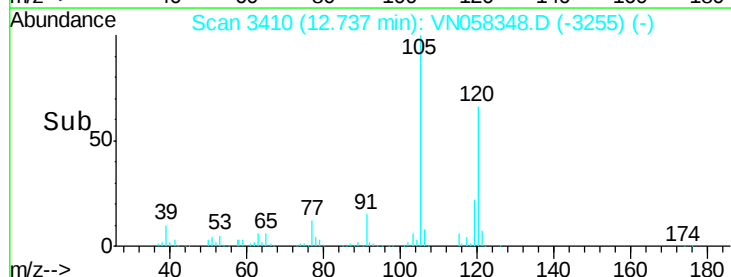
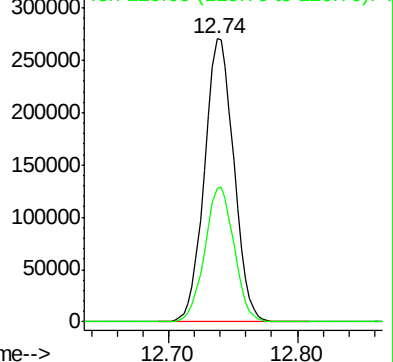
105 100

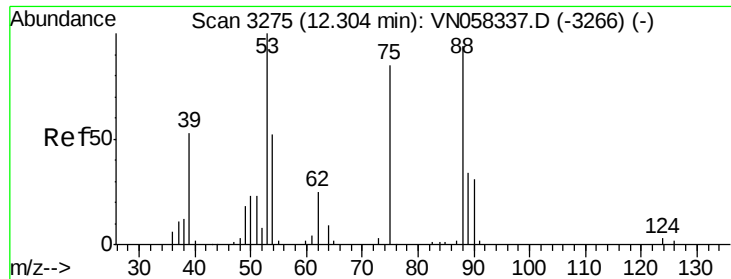
120 47.4 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058337.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN058337.D (-3391) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.493 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 37985

Ion Ratio Lower Upper

75 100

53 119.9 59.0 176.8

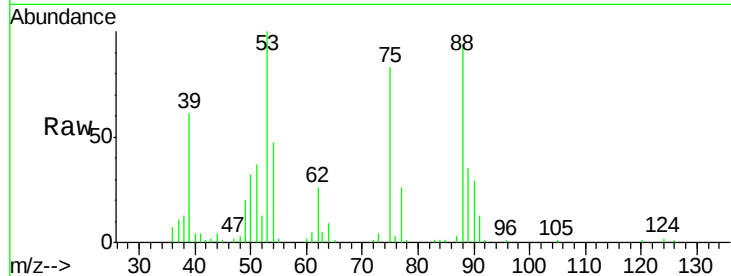
89 41.7 21.6 65.0

Manual Integrations

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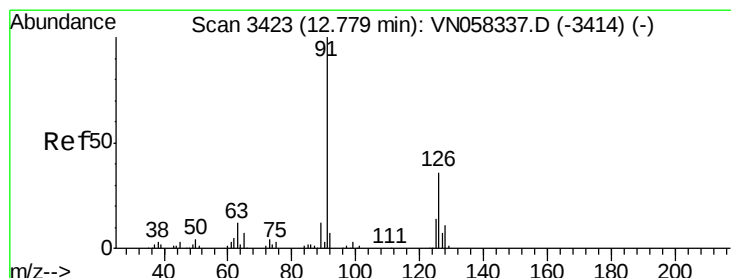
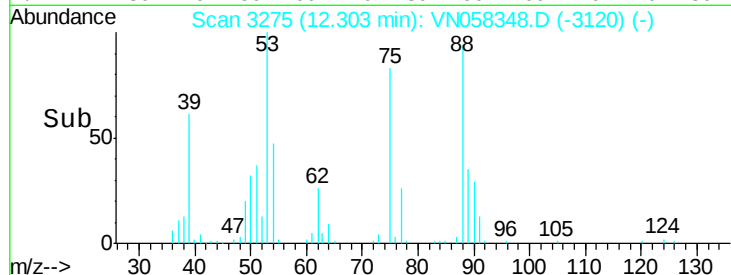
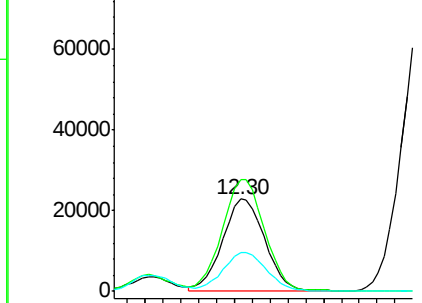
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Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.692 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN058348.D

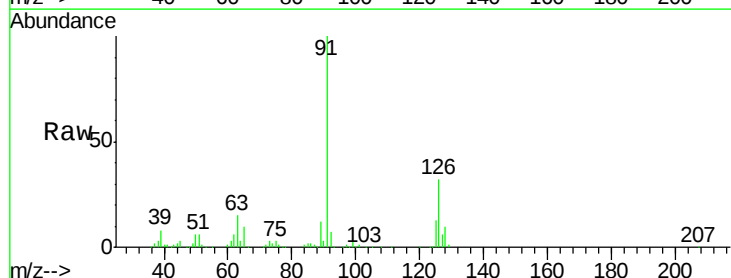
Acq: 24 Sep 2019 16:09

Tgt Ion: 91 Resp: 354450

Ion Ratio Lower Upper

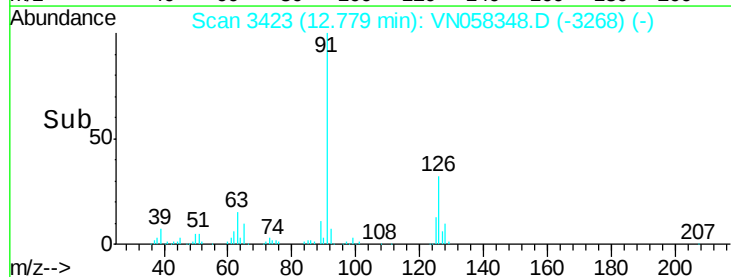
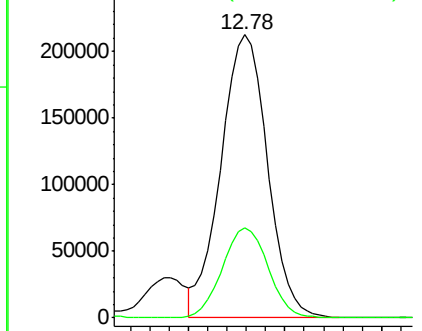
91 100

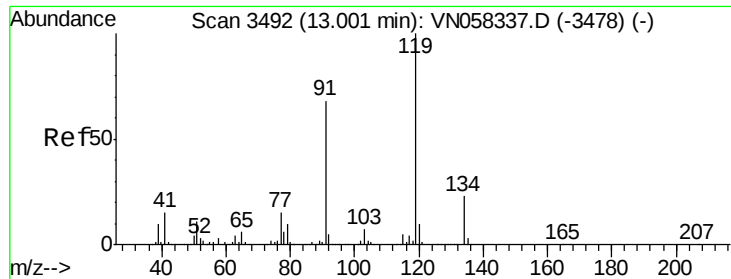
126 31.6 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





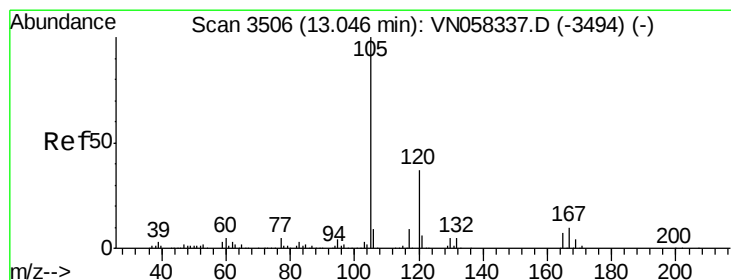
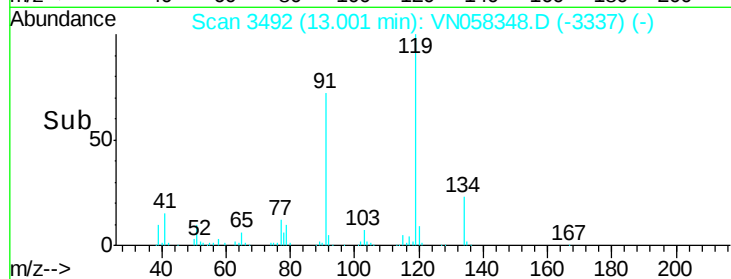
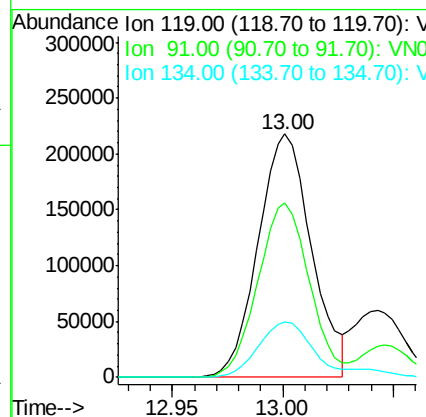
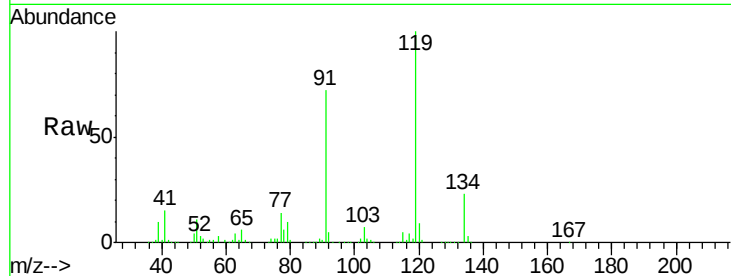
#79
tert-butylbenzene
Concen: 20.092 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	364792		
91	69.6	0.0	138.2	
134	23.2	0.0	46.8	

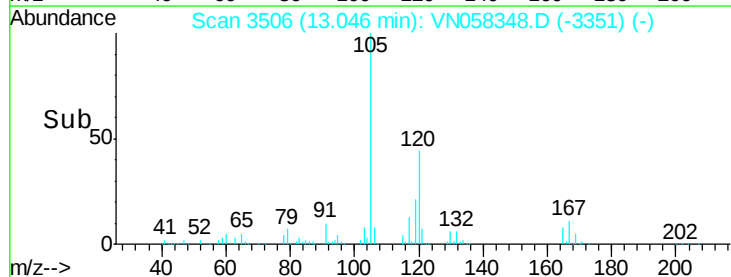
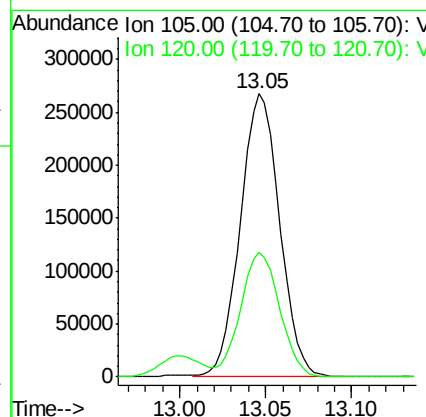
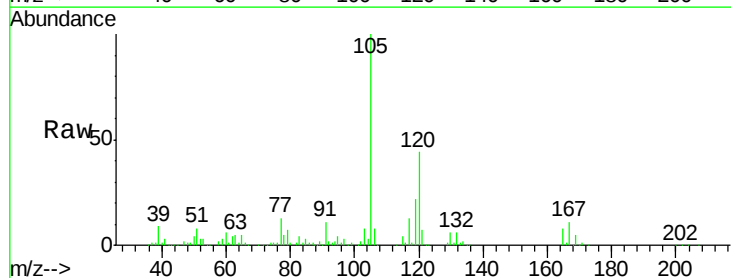
Manual Integrations
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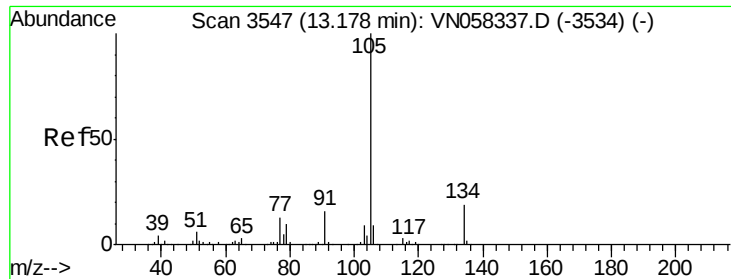
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.222 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	423277		
120	43.8	0.0	86.6	





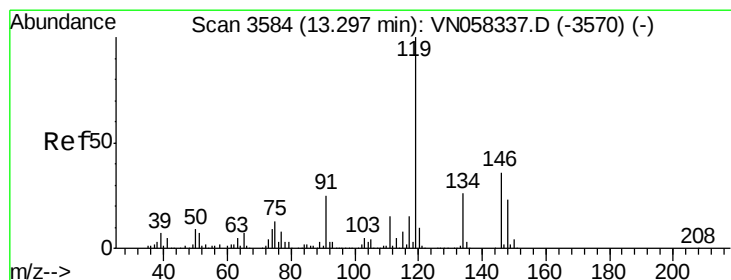
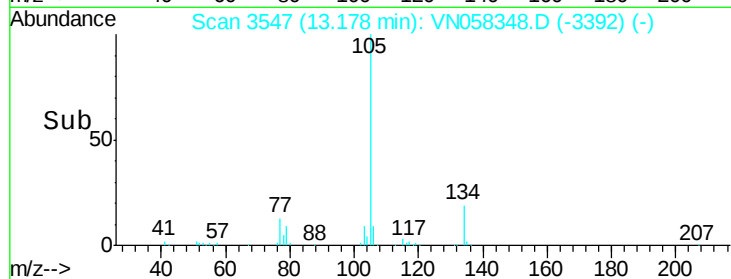
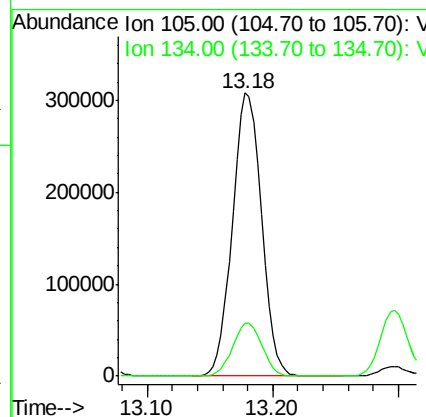
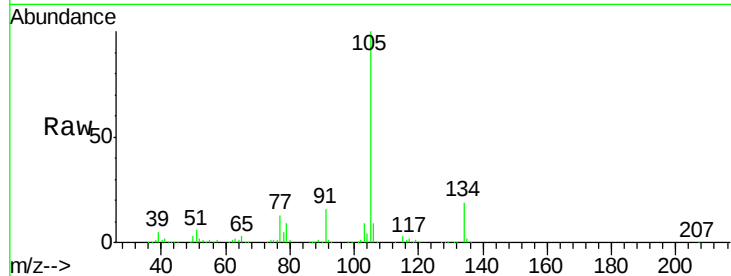
#81
 sec-Butylbenzene
 Concen: 20.793 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	495160		
134	18.9	0.0	38.2	

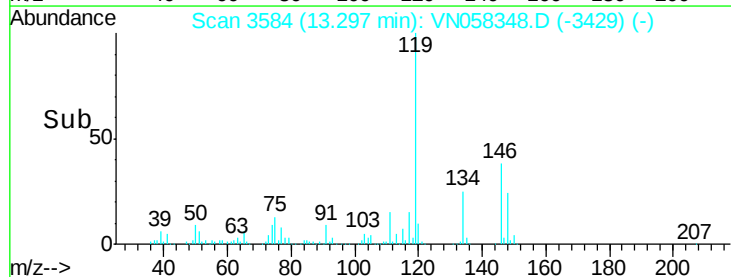
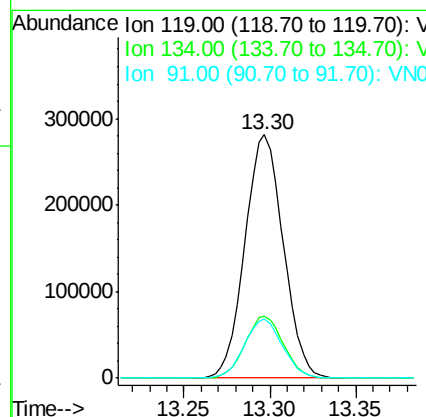
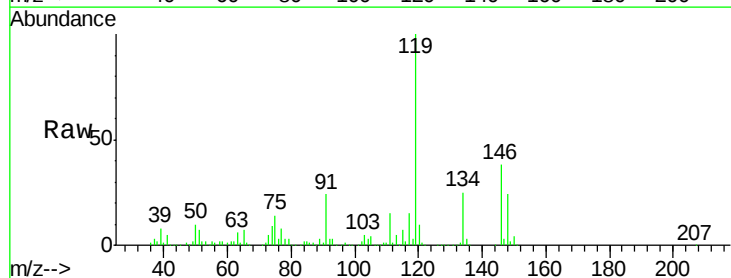
Manual Integrations
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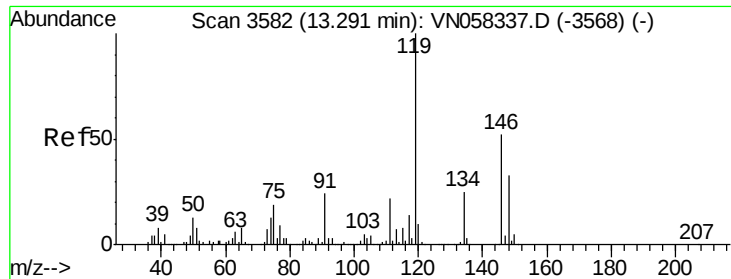
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#82
 p-Isopropyltoluene
 Concen: 20.348 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	436356		
134	25.4	0.0	51.6	
91	24.3	0.0	49.6	





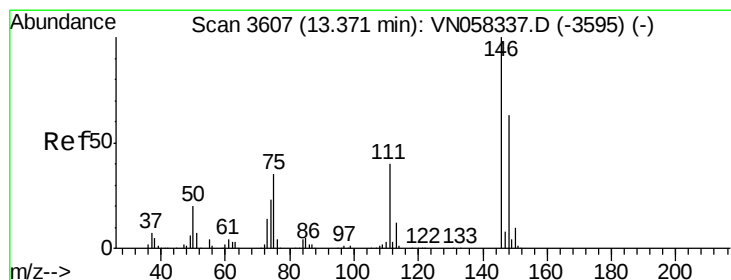
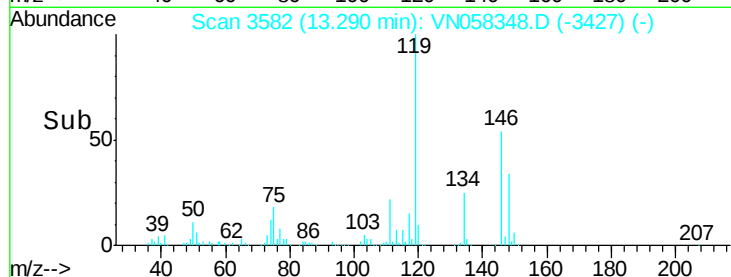
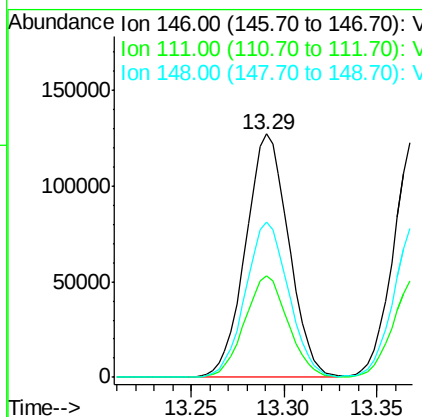
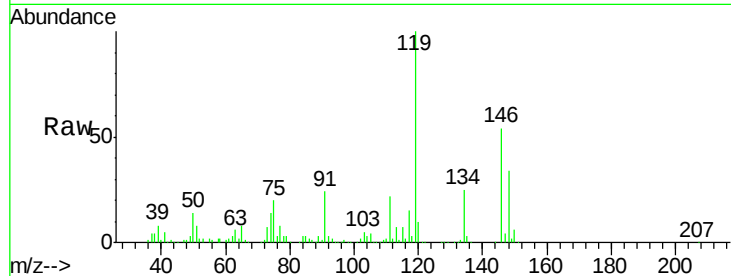
#83
 1,3-Dichlorobenzene
 Concen: 18.920 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	205905		
111	41.8	20.9	62.8	
148	63.6	32.0	96.2	

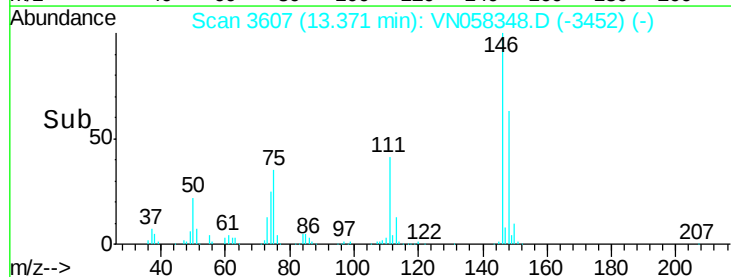
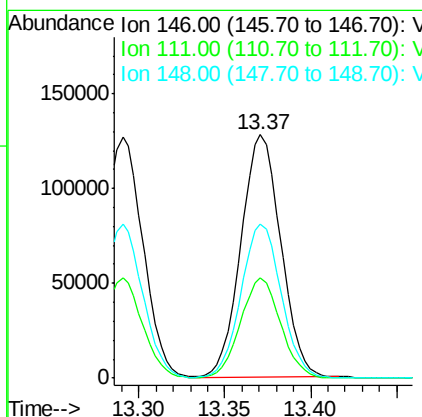
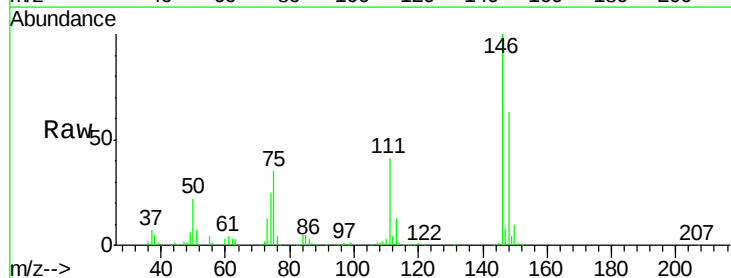
Manual Integrations
 APPROVED

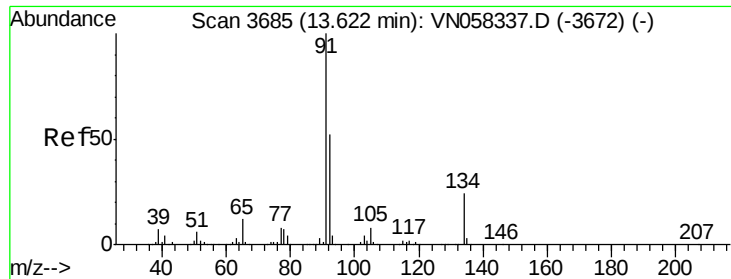
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 19.056 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	206406		
111	41.5	20.4	61.3	
148	63.7	31.9	95.7	





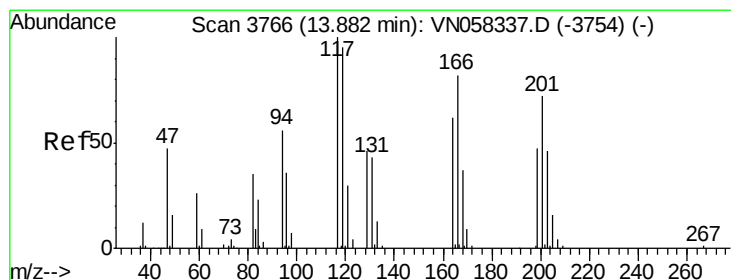
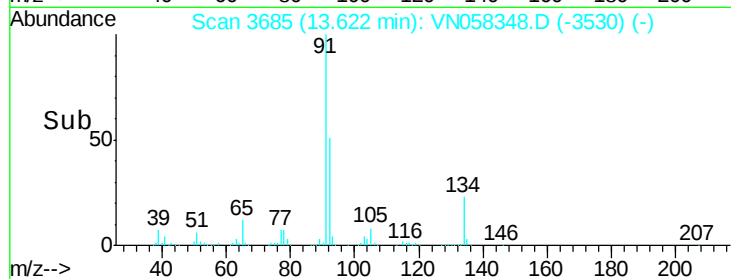
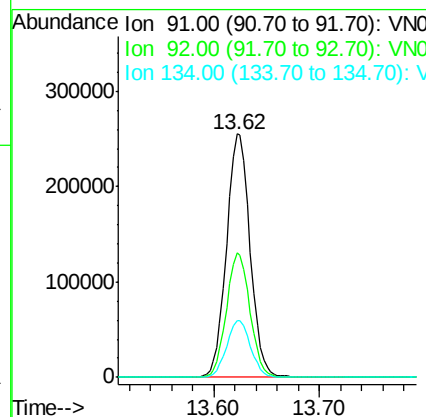
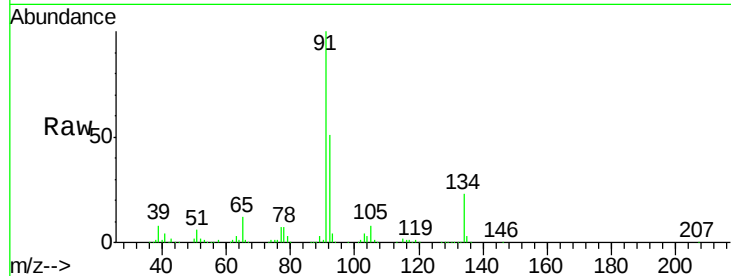
#85
n-Butylbenzene
Concen: 19.810 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	394691		
92	50.7	0.0	102.6	
134	23.7	0.0	47.8	

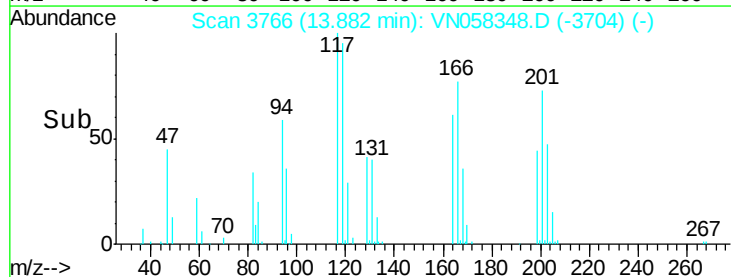
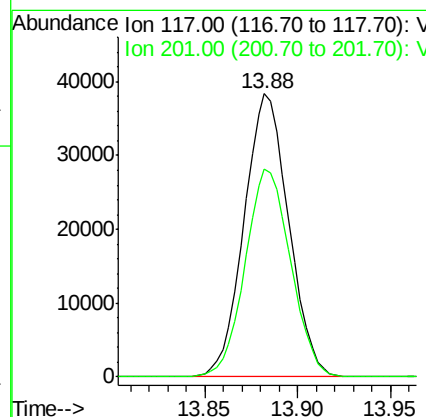
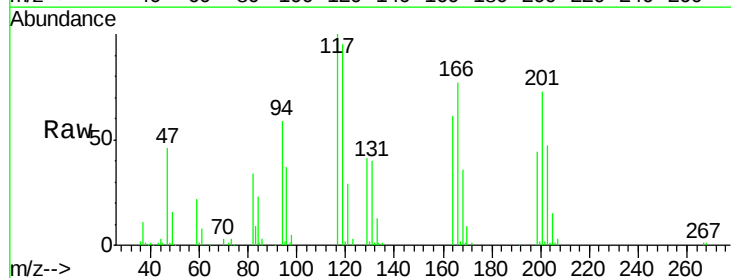
Manual Integrations
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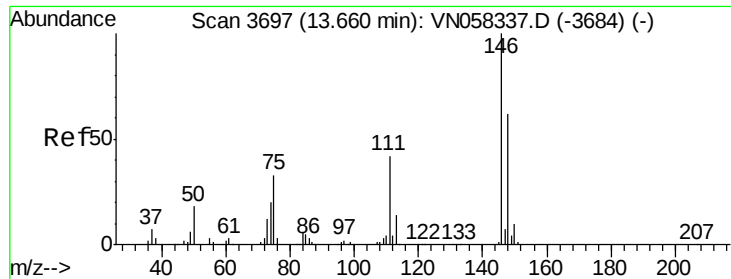
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#86
Hexachloroethane
Concen: 18.477 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	64001		
201	74.7	37.2	111.6	





#87

1,2-Dichlorobenzene

Concen: 19.005 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

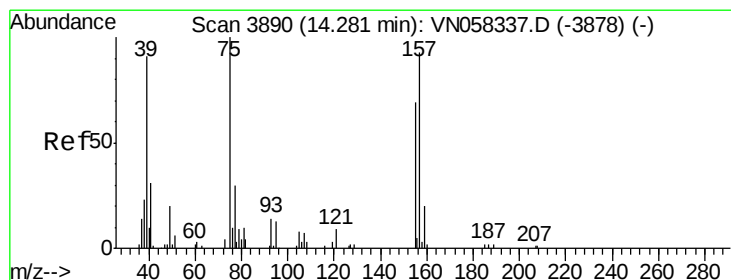
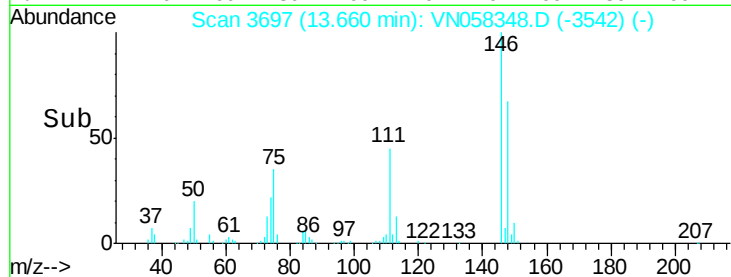
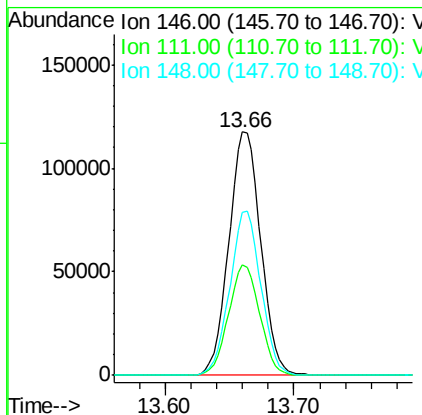
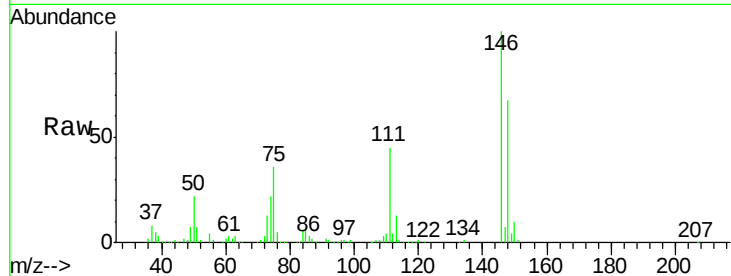
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	201968
Ion Ratio	Lower	Upper	
146	100		
111	44.3	21.1	63.3
148	65.6	31.9	95.7

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.260 ug/l

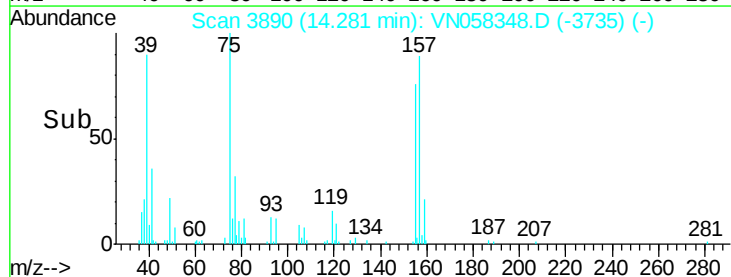
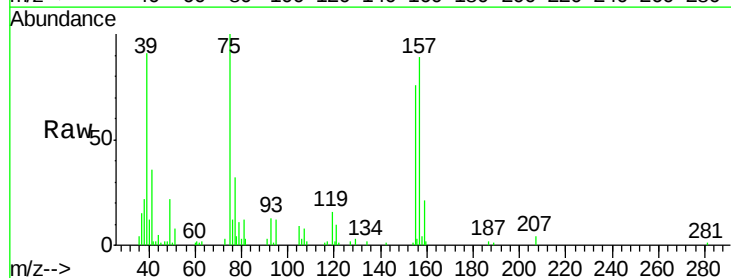
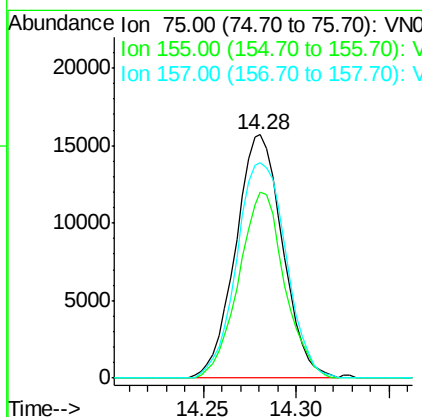
RT: 14.28 min Scan# 3890

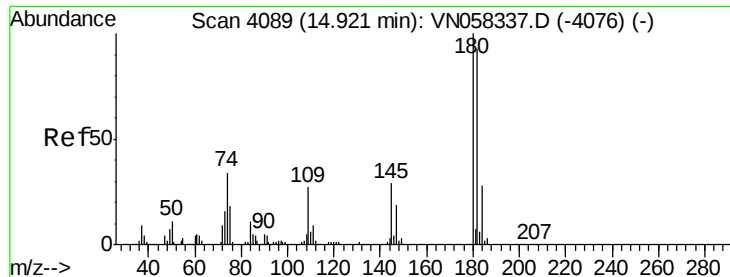
Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Tgt Ion:	75	Resp:	27585
Ion Ratio	Lower	Upper	
75	100		
155	74.1	58.5	87.7
157	93.3	75.4	113.2





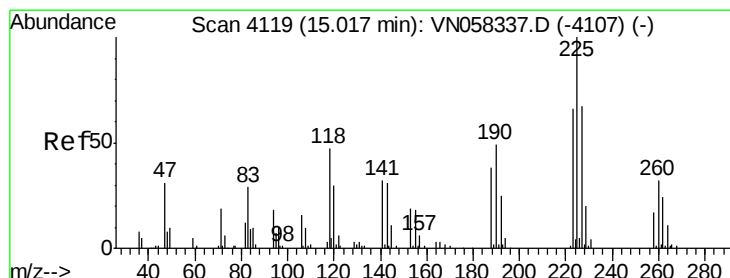
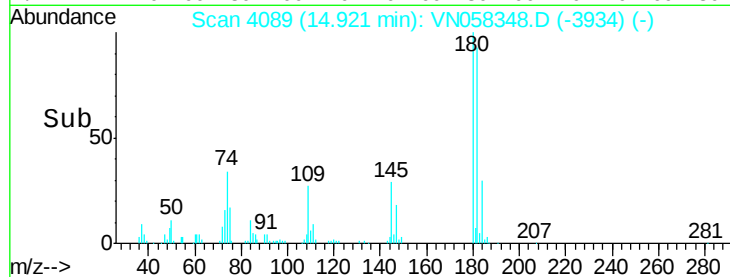
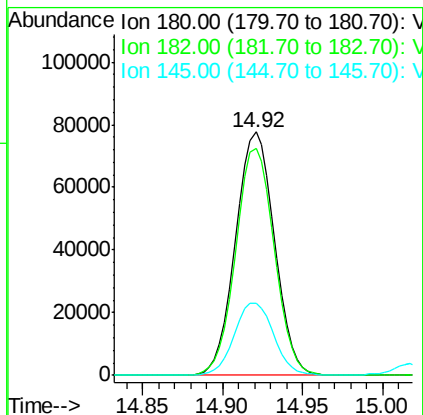
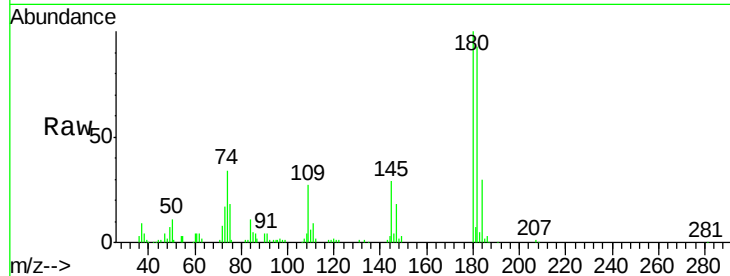
#89
 1,2,4-Trichlorobenzene
 Concen: 18.514 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	180	Resp:	128541
Ion Ratio	Lower	Upper	
180	100		
182	92.6	75.2	112.8
145	30.2	25.1	37.7

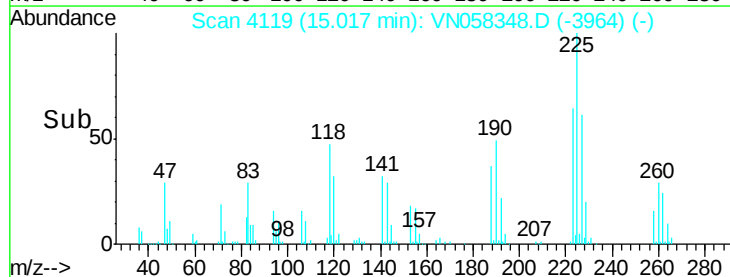
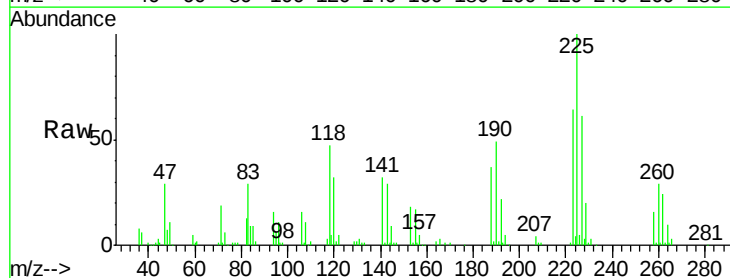
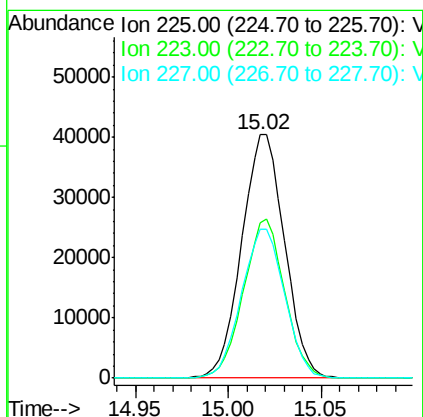
Manual Integrations
 APPROVED

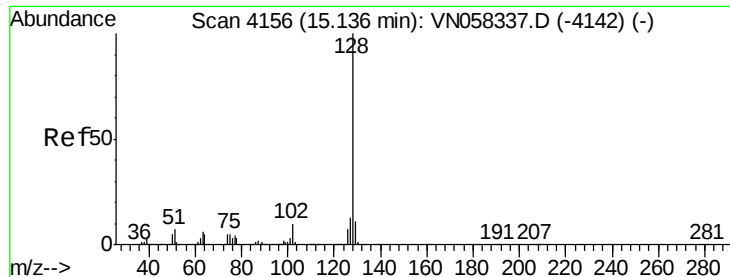
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 9/25/2019 8:24:19 AM



#90
 Hexachlorobutadiene
 Concen: 19.318 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion:	225	Resp:	64894
Ion Ratio	Lower	Upper	
225	100		
223	62.5	0.0	132.6
227	61.5	0.0	129.2





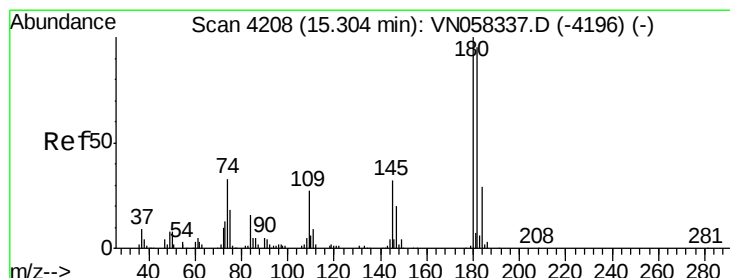
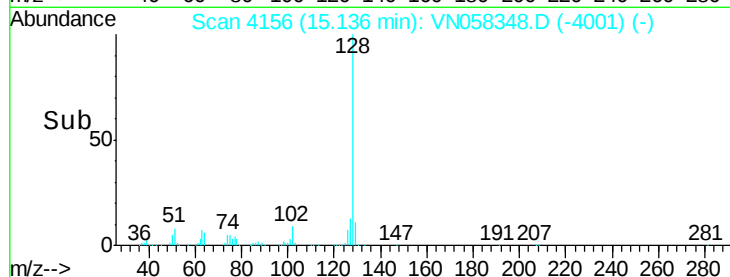
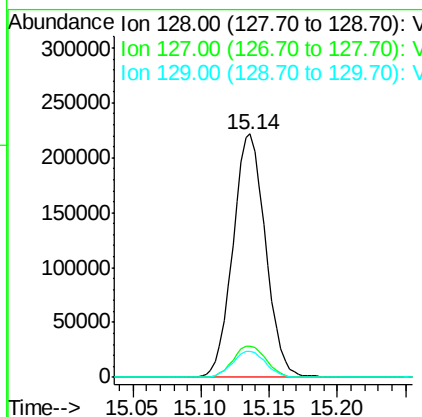
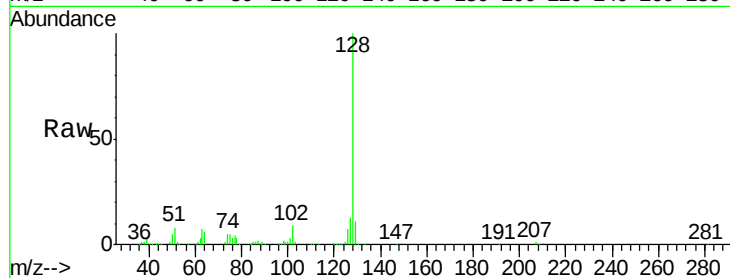
#91
Naphthalene
Concen: 19.290 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	367789		
127	13.1		10.2	15.4
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/25/2019 8:24:19 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.802 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	118705		
182	98.2		0.0	189.4
145	32.6		0.0	64.0

