

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059320.D
 Acq On : 20 Nov 2019 12:08
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:07:47 AM

Quant Time: Nov 20 15:16:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 15:04:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	384531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	613642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	546013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	87771	18.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.14%	
35) Dibromofluoromethane	7.57	113	67713	18.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.96%	
50) Toluene-d8	10.08	98	274780	19.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.08%	
62) 4-Bromofluorobenzene	12.40	95	95528	18.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	98076	25.314	ug/l	99
3) Chloromethane	2.04	50	117773	22.363	ug/l	99
4) Vinyl Chloride	2.17	62	124891	24.460	ug/l	99
5) Bromomethane	2.54	94	66507	22.635	ug/l	99
6) Chloroethane	2.68	64	63746	21.105	ug/l	98
7) Trichlorofluoromethane	3.00	101	125831	20.603	ug/l	99
8) Diethyl Ether	3.39	74	50824	20.481	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75389	20.473	ug/l	98
10) Methyl Iodide	3.93	142	93653	20.547	ug/l	98
11) Tert butyl alcohol	4.75	59	86497	96.018	ug/l	98
12) 1,1-Dichloroethene	3.72	96	76279	21.265	ug/l	98
13) Acrolein	3.58	56	74846	161.148	ug/l	99
14) Allyl chloride	4.30	41	141732	19.235	ug/l	98
15) Acrylonitrile	4.96	53	230853	102.973	ug/l	99
16) Acetone	3.79	43	201637	82.031	ug/l	97
17) Carbon Disulfide	4.03	76	243480	21.866	ug/l	100
18) Methyl Acetate	4.30	43	128719	22.062	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	253561	20.532	ug/l	100
20) Methylene Chloride	4.53	84	86071	20.099	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	82715	21.482	ug/l	97
22) Diisopropyl ether	5.92	45	278092	19.981	ug/l	94
23) Vinyl Acetate	5.87	43	1103756	102.328	ug/l	100
24) 1,1-Dichloroethane	5.82	63	156921	20.187	ug/l	99
25) 2-Butanone	6.81	43	307176	94.819	ug/l	99
26) 2,2-Dichloropropane	6.80	77	134568	19.798	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	91224	20.422	ug/l	98
28) Bromochloromethane	7.17	49	61250	26.190	ug/l	95
29) Tetrahydrofuran	7.19	42	209964	102.002	ug/l	97
30) Chloroform	7.35	83	150189	20.141	ug/l	99
31) Cyclohexane	7.63	56	150801	20.492	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	129866	20.715	ug/l	98
36) 1,1-Dichloropropene	7.77	75	118924	20.734	ug/l	99
37) Ethyl Acetate	6.90	43	129489	20.293	ug/l	100
38) Carbon Tetrachloride	7.75	117	111197	19.478	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	142510	21.408	ug/l	99
40) Benzene	8.02	78	349357	20.226	ug/l	100
41) Methacrylonitrile	7.16	41	64679m	23.310	ug/l	
42) 1,2-Dichloroethane	8.10	62	114997	19.412	ug/l	99
43) Isopropyl Acetate	8.14	43	193973	19.068	ug/l	98
44) Trichloroethene	8.82	130	87970	20.719	ug/l	99
45) 1,2-Dichloropropane	9.10	63	93159	19.857	ug/l	98
46) Dibromomethane	9.19	93	57670	19.726	ug/l	99
47) Bromodichloromethane	9.39	83	113953	19.520	ug/l	96
48) Methyl methacrylate	9.19	41	85074	18.697	ug/l	97
49) 1,4-Dioxane	9.19	88	26036	321.972	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	613948	106.663	ug/l	99
52) Toluene	10.15	92	210801	20.362	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	128663	19.077	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	141673	19.528	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	82725	19.745	ug/l	98
56) Ethyl methacrylate	10.42	69	122092	19.632	ug/l	99
57) 1,3-Dichloropropane	10.70	76	142795	19.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	214943	92.182	ug/l	99
59) 2-Hexanone	10.75	43	441574	99.949	ug/l	99
60) Dibromochloromethane	10.90	129	86608	19.551	ug/l	100
61) 1,2-Dibromoethane	11.00	107	85028	20.047	ug/l	98
64) Tetrachloroethene	10.63	164	75784	20.412	ug/l	97
65) Chlorobenzene	11.43	112	218590	20.537	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	81515	20.416	ug/l	100
67) Ethyl Benzene	11.51	91	395793	20.958	ug/l	100
68) m/p-Xylenes	11.62	106	293060	41.428	ug/l	100
69) o-Xylene	11.95	106	140732	20.586	ug/l	99
70) Styrene	11.96	104	219121	20.380	ug/l	99
71) Bromoform	12.13	173	60674	19.536	ug/l #	99
73) Isopropylbenzene	12.25	105	375827	20.998	ug/l	100
74) N-amyl acetate	12.07	43	144219	19.016	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	124850	20.484	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	104484m	18.652	ug/l	
77) Bromobenzene	12.53	156	89742	19.957	ug/l	99
78) n-propylbenzene	12.59	91	434831	21.219	ug/l	99
79) 2-Chlorotoluene	12.67	91	258173	20.308	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	316985	20.901	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41285	19.466	ug/l	99
82) 4-Chlorotoluene	12.77	91	260932	20.464	ug/l	99
83) tert-Butylbenzene	12.99	119	271289	20.714	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	313228	21.348	ug/l	99
85) sec-Butylbenzene	13.17	105	361816	21.242	ug/l	99
86) p-Isopropyltoluene	13.29	119	322699	21.457	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	156177	20.282	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	154116	20.004	ug/l	100
89) n-Butylbenzene	13.62	91	274589	20.860	ug/l	100
90) Hexachloroethane	13.88	117	58911	19.507	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	153867	20.313	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24820	18.043	ug/l	97

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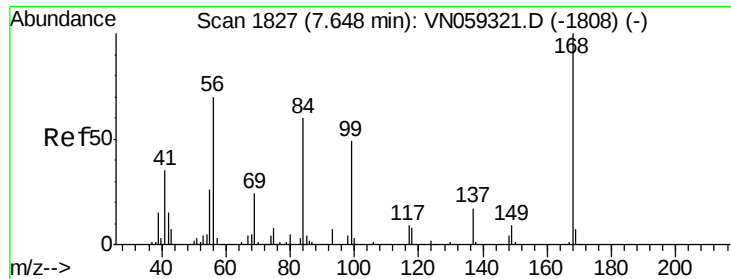
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81890	20.181	ug/l	98
94) Hexachlorobutadiene	15.01	225	54525	20.876	ug/l	100
95) Naphthalene	15.13	128	219371	19.684	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	83728	19.724	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059320.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 384531

Ion Ratio Lower Upper

168 100

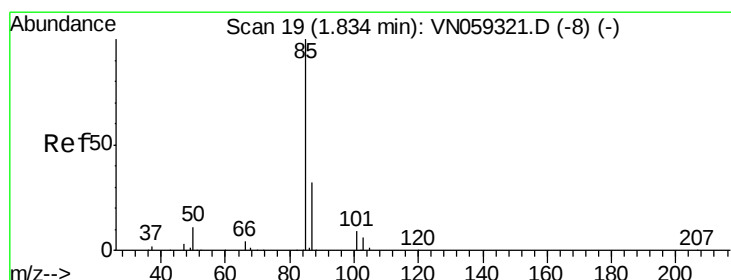
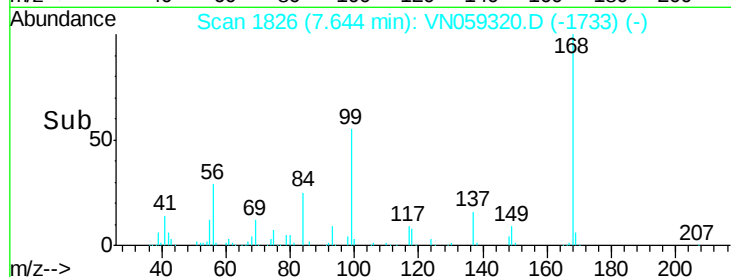
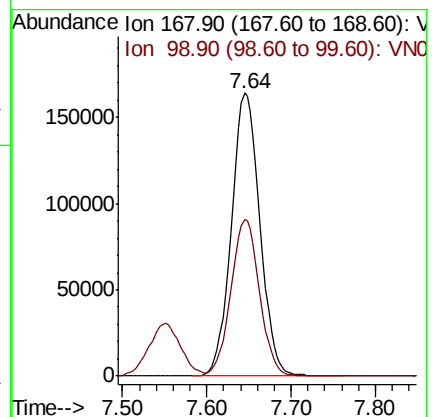
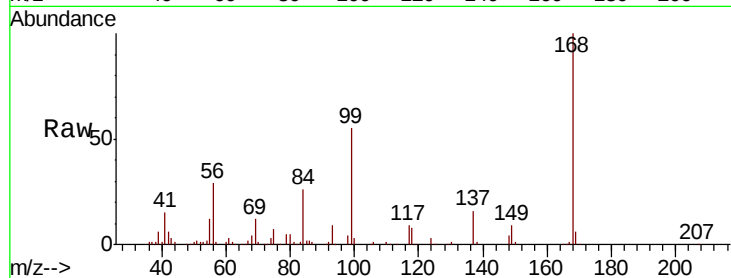
99 55.3 45.7 68.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 25.314 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059320.D

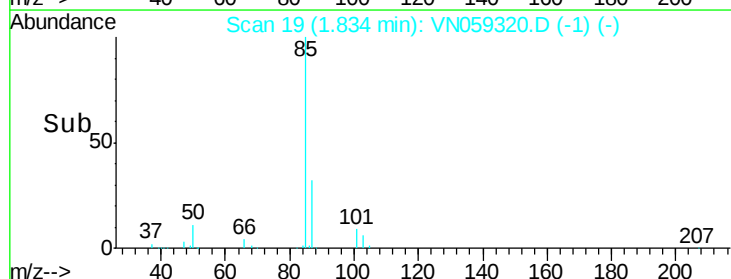
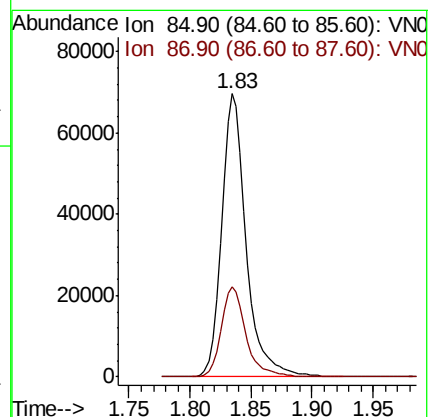
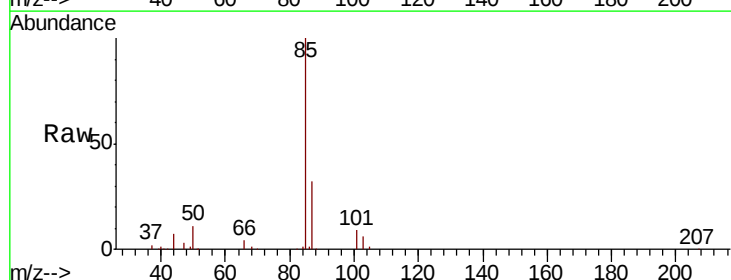
Acq: 20 Nov 2019 12:08

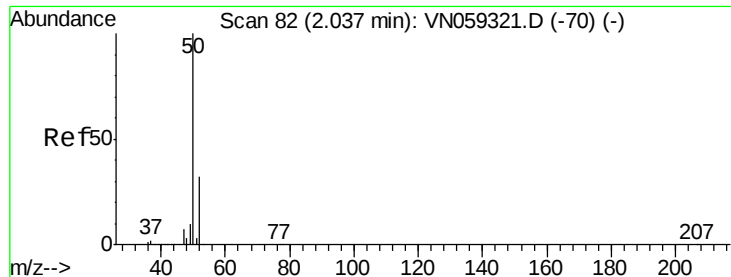
Tgt Ion: 85 Resp: 98076

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9





#3

Chloromethane

Concen: 22.363 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 117773

Ion Ratio Lower Upper

50 100

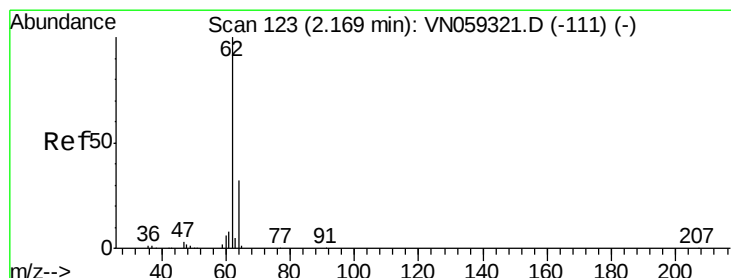
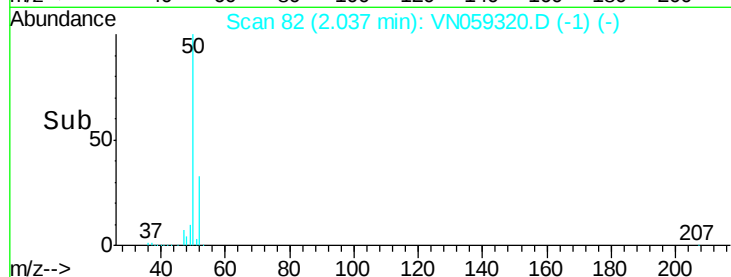
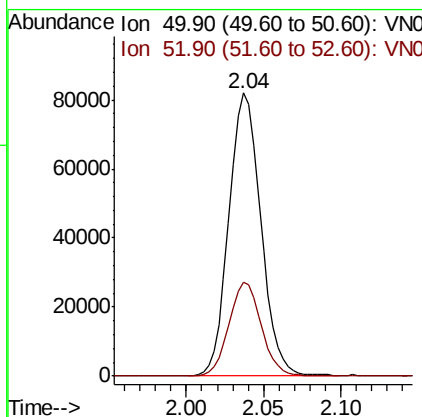
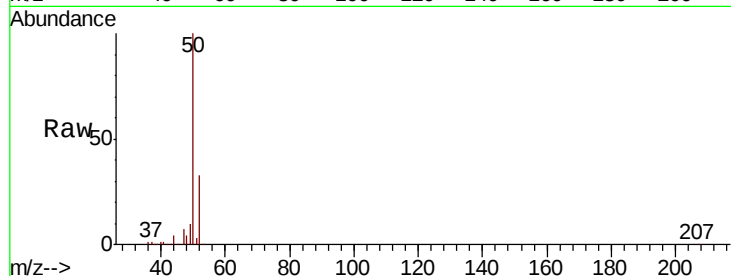
52 33.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.460 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059320.D

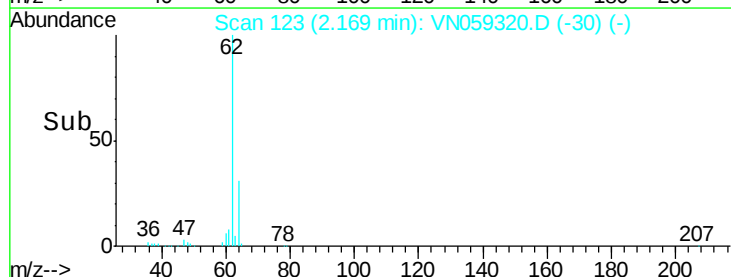
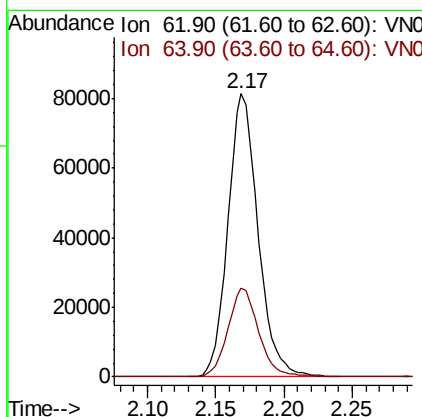
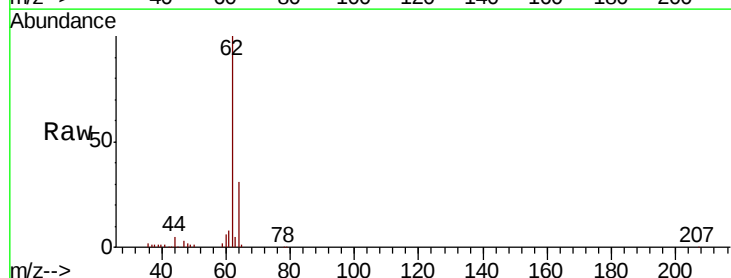
Acq: 20 Nov 2019 12:08

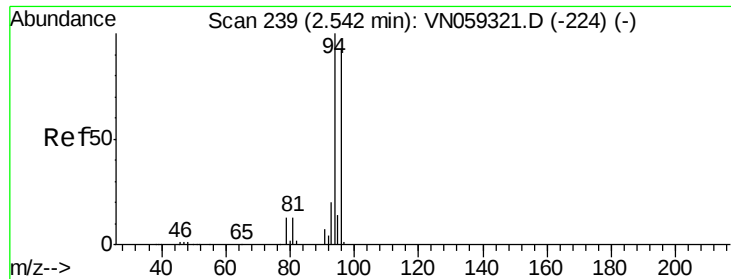
Tgt Ion: 62 Resp: 124891

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2





#5

Bromomethane

Concen: 22.635 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

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ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 66507

Ion Ratio Lower Upper

94 100

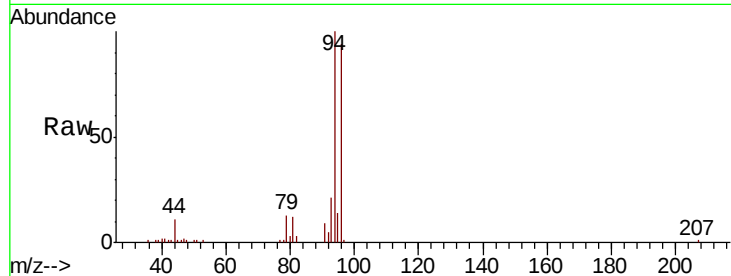
96 93.6 74.2 111.2

Manual Integrations

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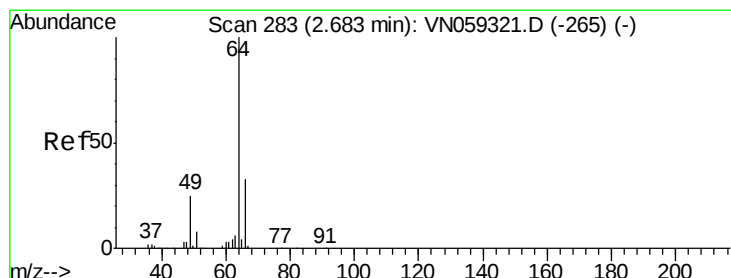
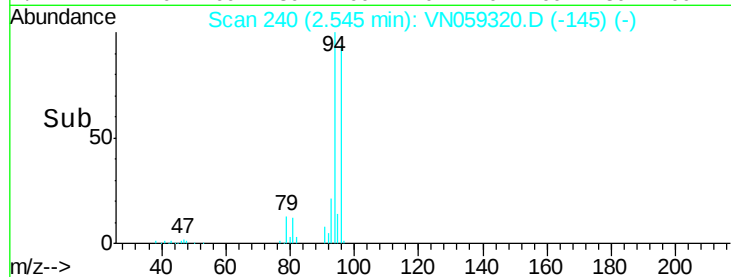
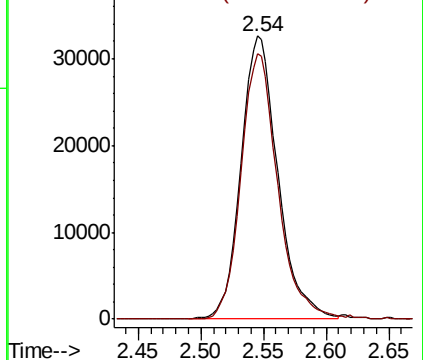
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 21.105 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059320.D

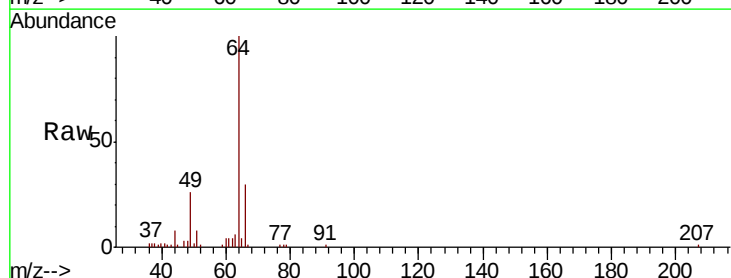
Acq: 20 Nov 2019 12:08

Tgt Ion: 64 Resp: 63746

Ion Ratio Lower Upper

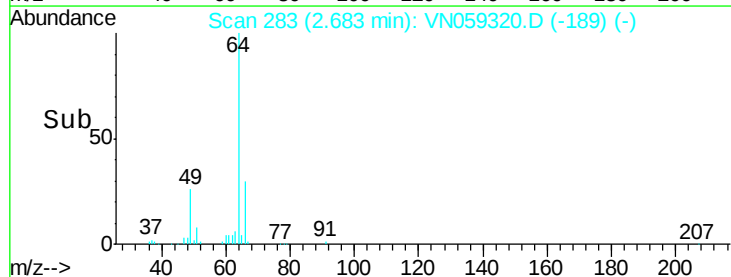
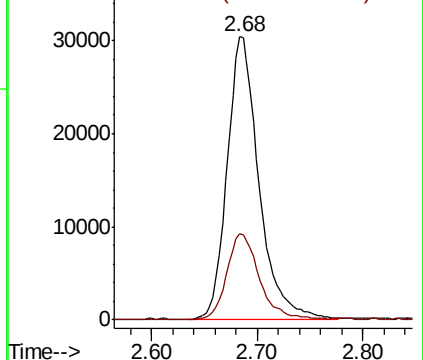
64 100

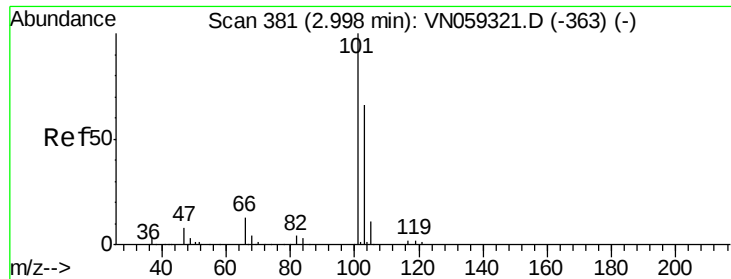
66 30.3 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

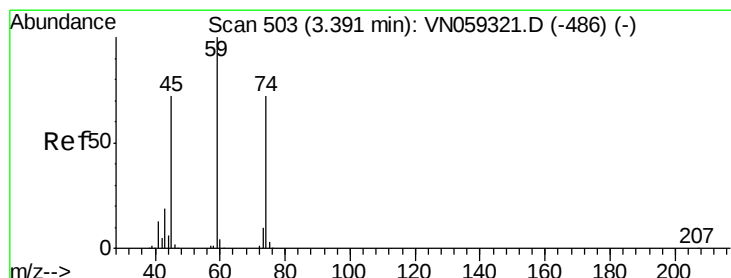
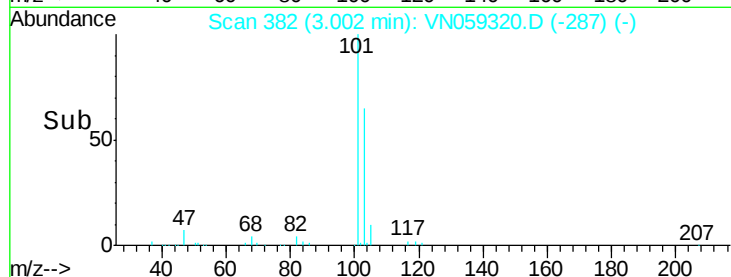
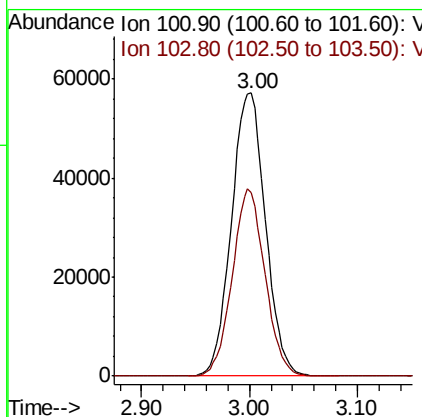
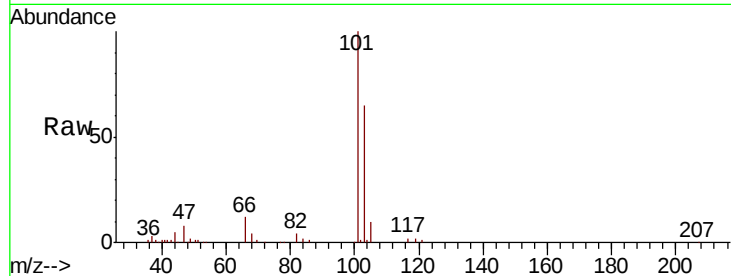
Trichlorofluoromethane
Concen: 20.603 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.01 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.2	76.8

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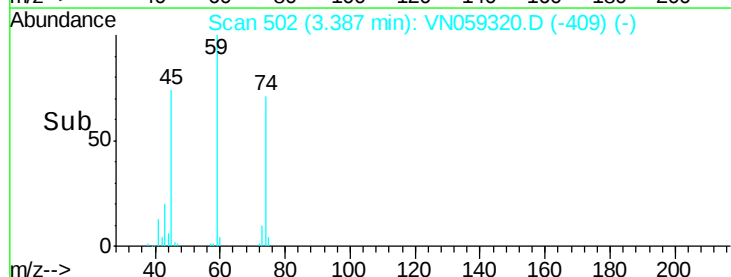
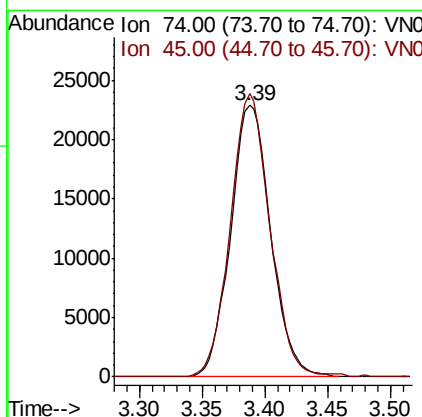
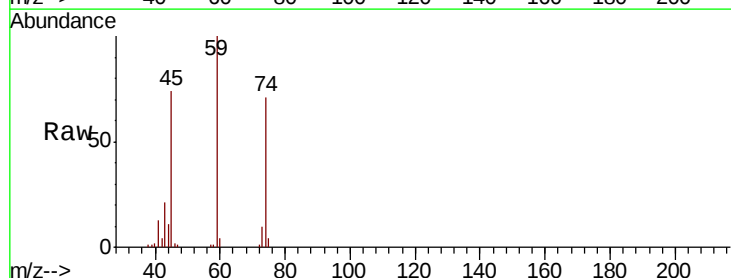
MMDadoda
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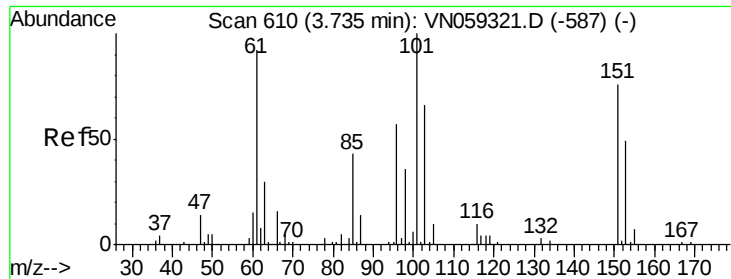


#8

Diethyl Ether
Concen: 20.481 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	51.6	154.9





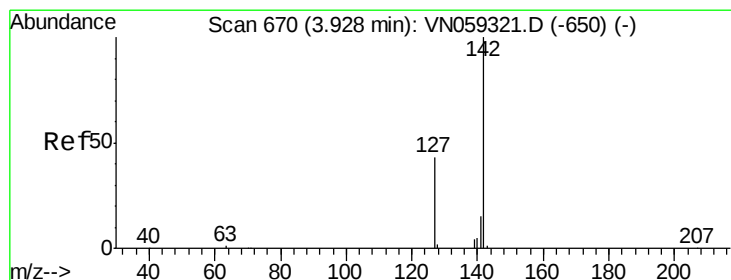
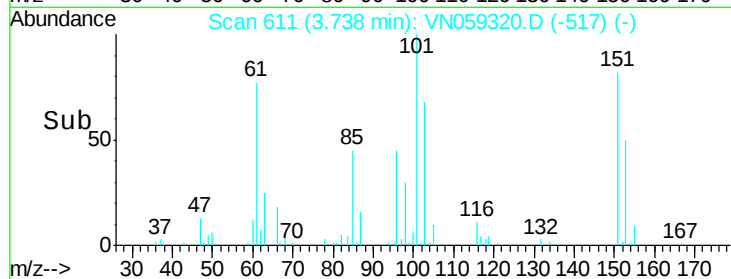
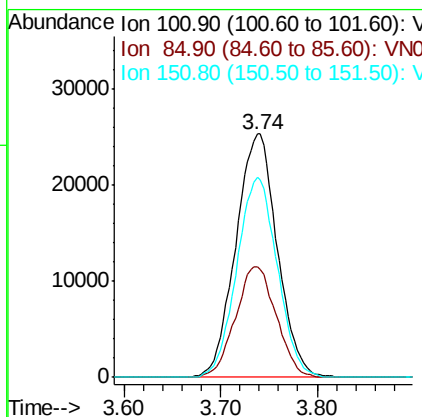
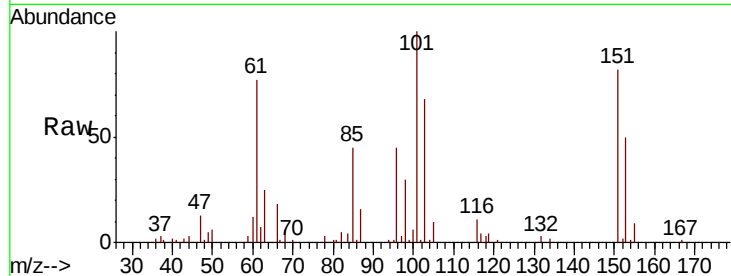
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.473 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Instrument :
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 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.5	53.3
151	80.1	62.2	93.2

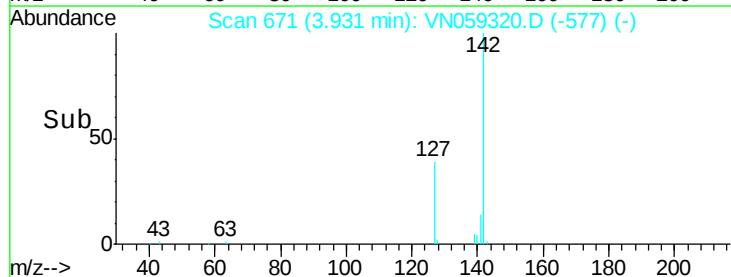
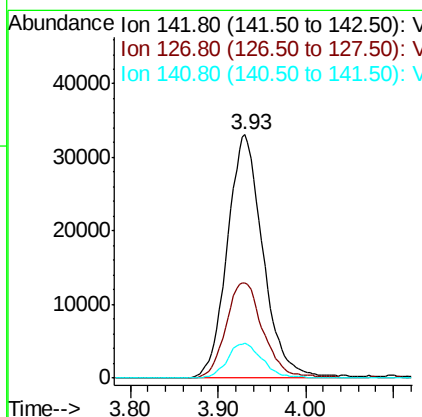
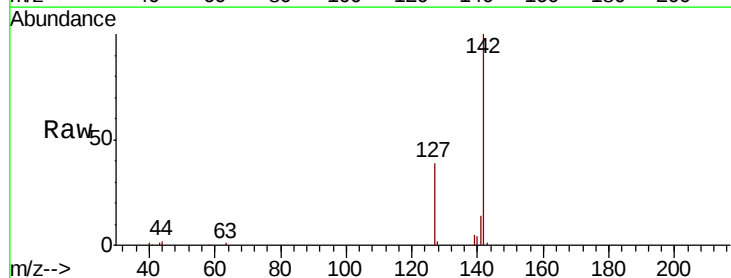
Manual Integrations
 APPROVED

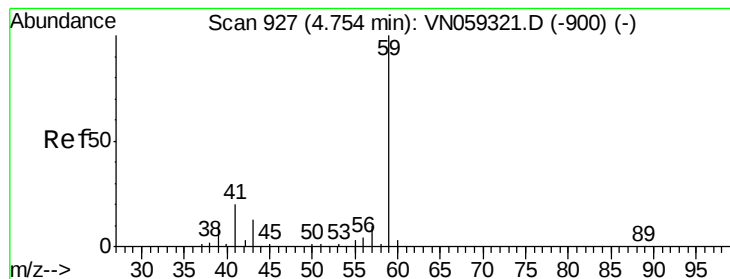
MMDadoda
 11/21/2019 11:07:47 AM



#10
 Methyl Iodide
 Concen: 20.547 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.8	34.2	51.2
141	13.9	11.4	17.0





#11

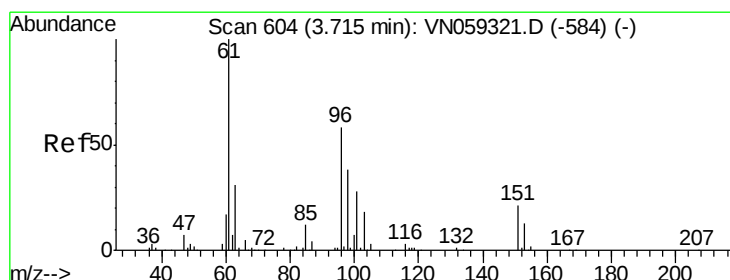
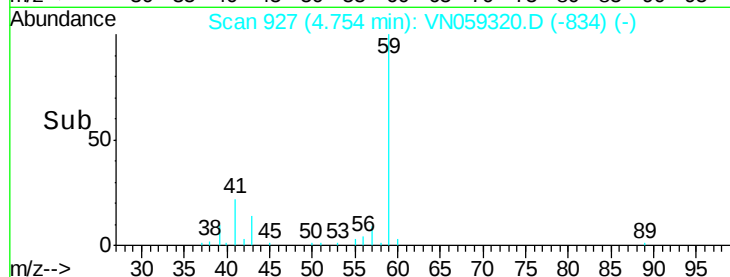
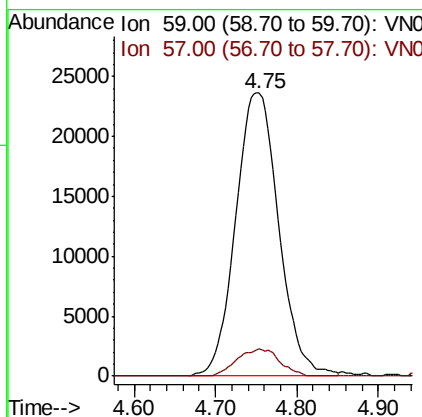
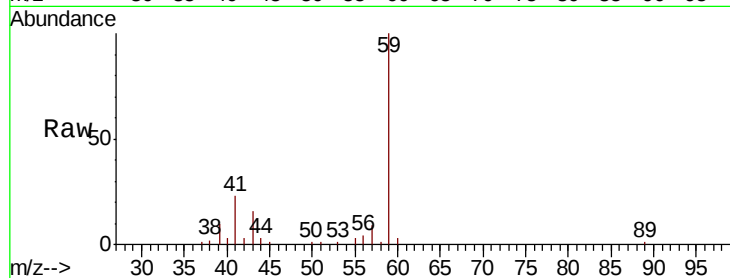
Tert butyl alcohol
 Concen: 96.018 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5

Manual Integrations
 APPROVED

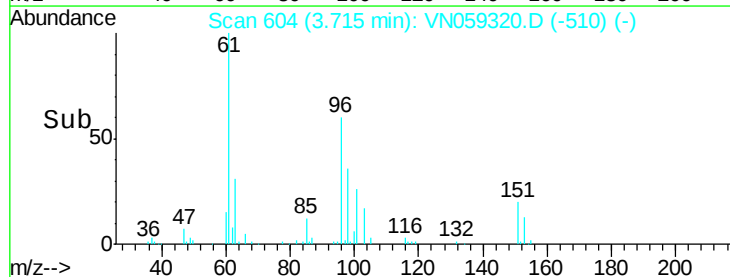
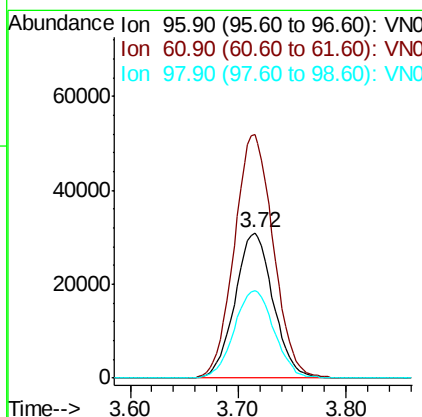
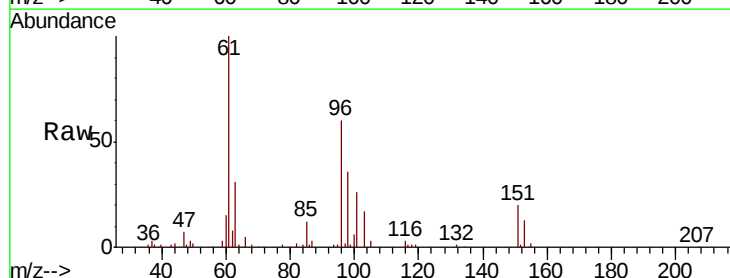
MMDadoda
 11/21/2019 11:07:47 AM

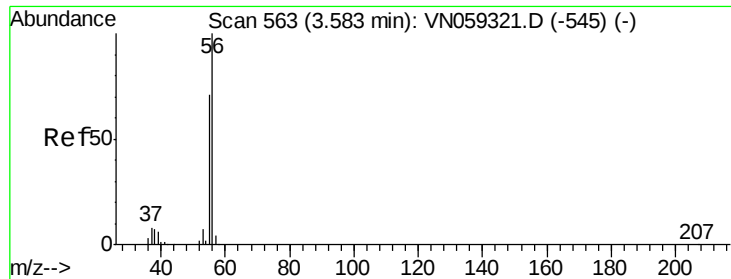


#12

1,1-Dichloroethene
 Concen: 21.265 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.6	136.5	204.7
98	60.5	50.2	75.4





#13

Acrolein

Concen: 161.148 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 74846

Ion Ratio Lower Upper

56 100

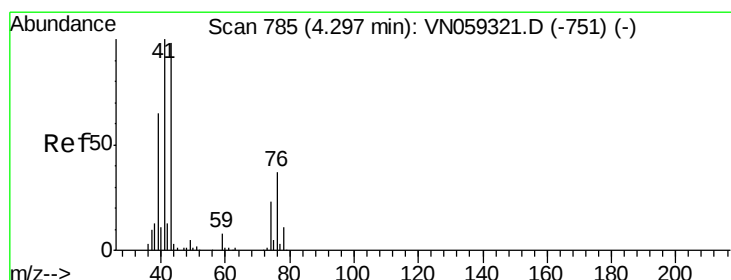
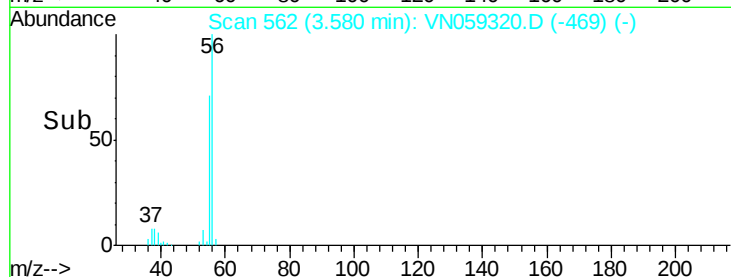
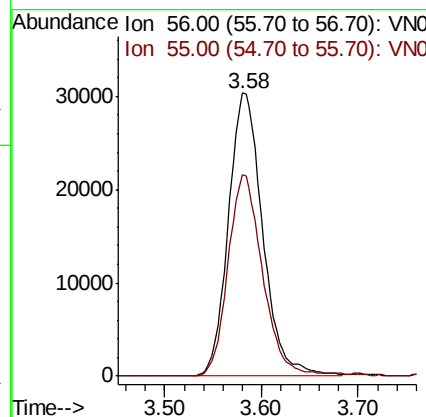
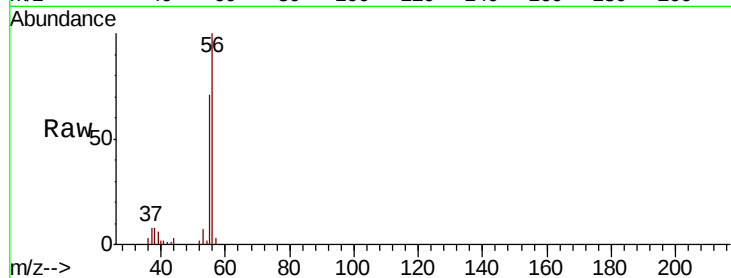
55 71.5 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.235 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

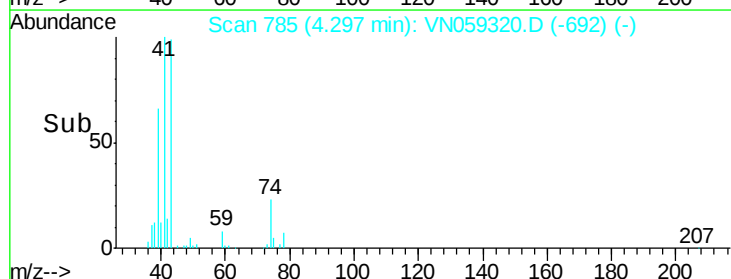
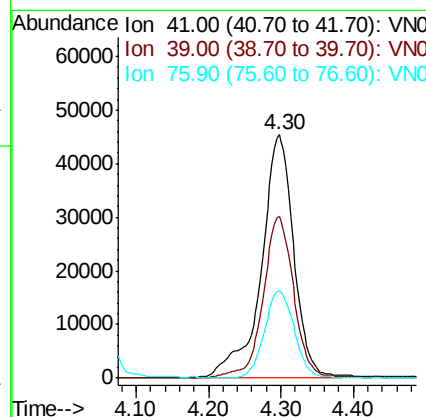
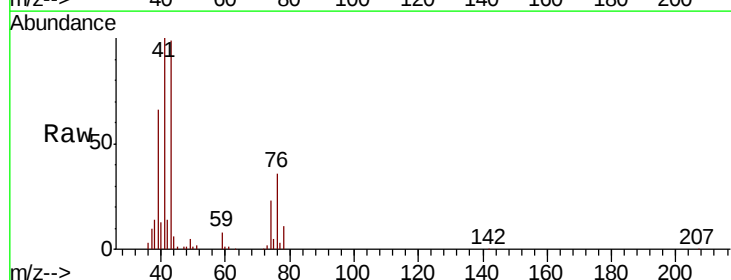
Tgt Ion: 41 Resp: 141732

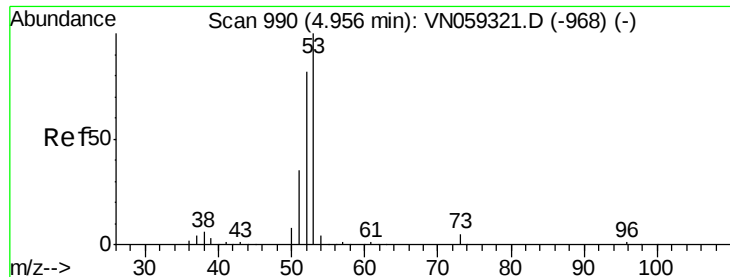
Ion Ratio Lower Upper

41 100

39 62.7 49.1 73.7

76 32.9 24.9 37.3





#15

Acrylonitrile

Concen: 102.973 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

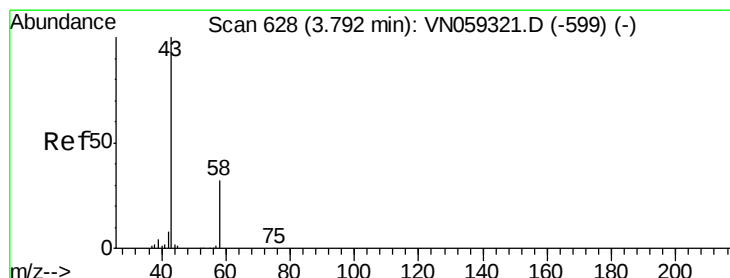
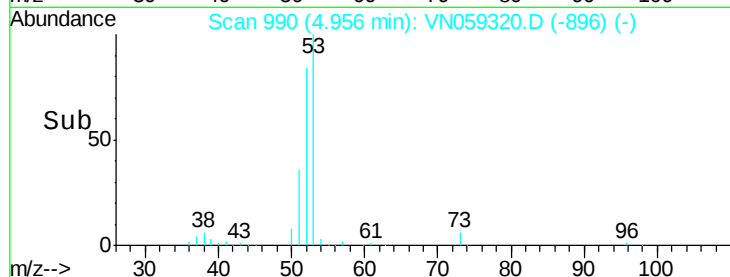
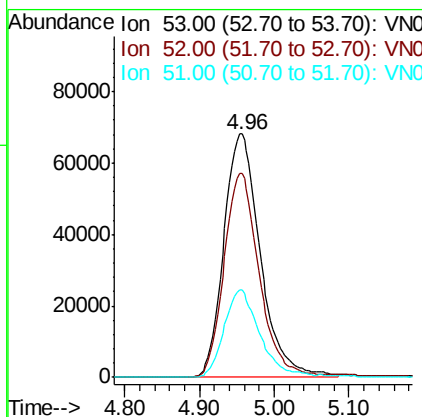
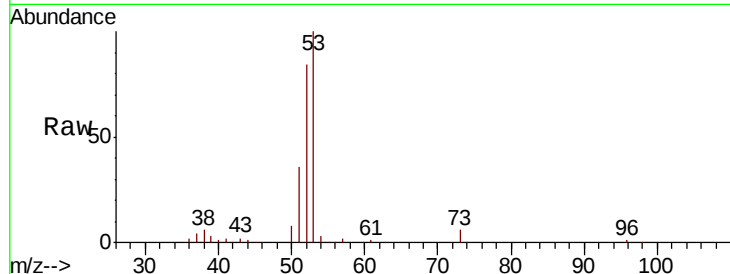
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	230853
Ion Ratio	Lower	Upper	
53	100		
52	80.6	65.0	97.6
51	35.1	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 82.031 ug/l

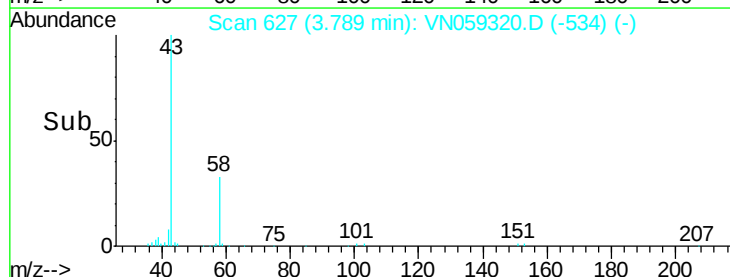
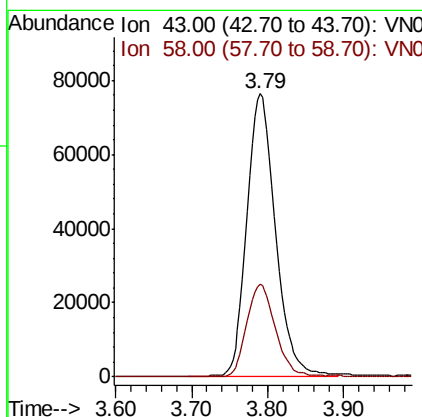
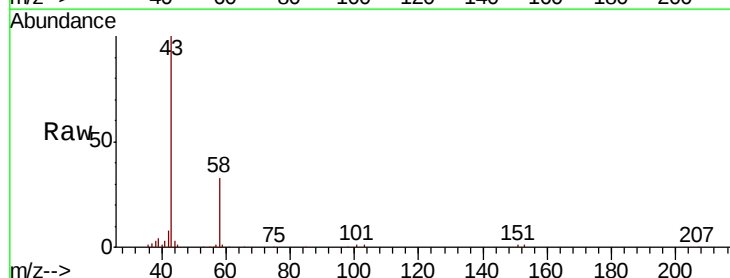
RT: 3.79 min Scan# 627

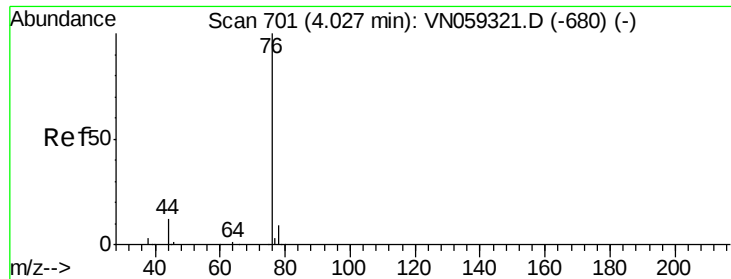
Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion:	43	Resp:	201637
Ion Ratio	Lower	Upper	
43	100		
58	32.6	24.9	37.3





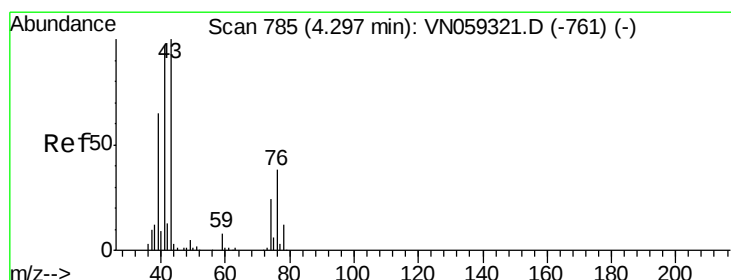
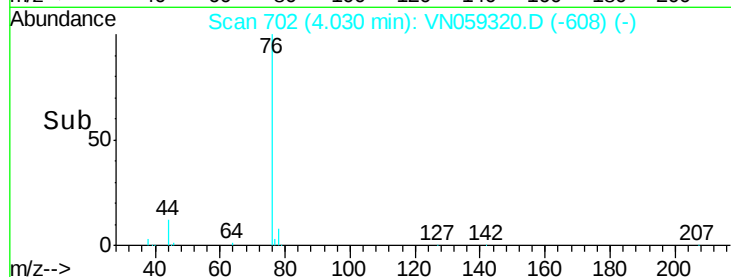
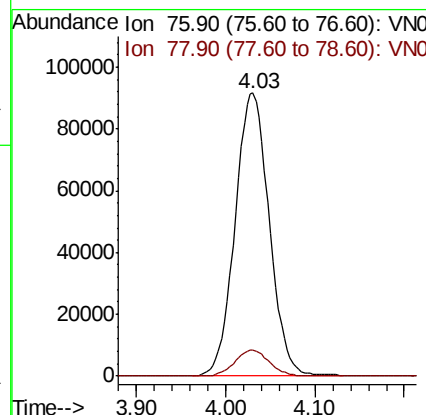
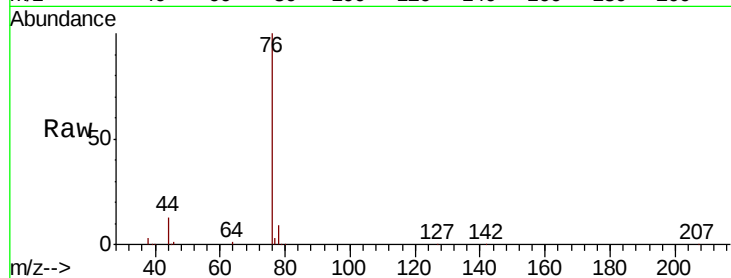
#17
Carbon Disulfide
Concen: 21.866 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

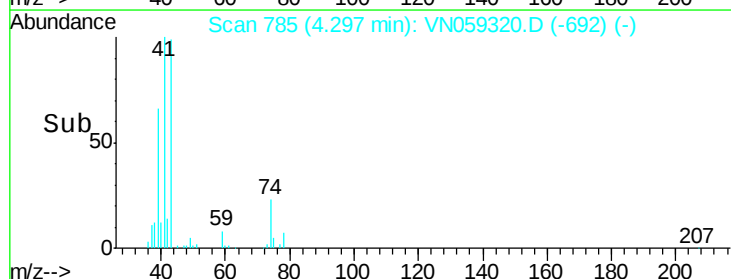
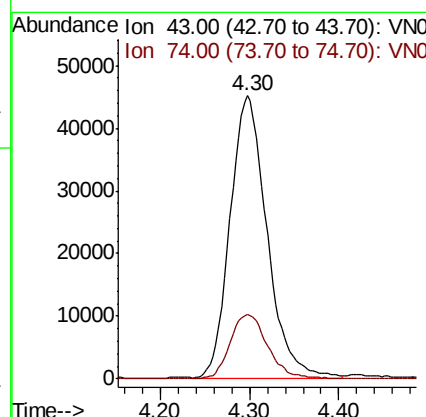
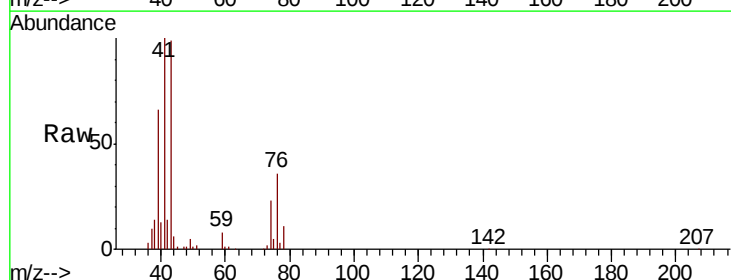
Manual Integrations
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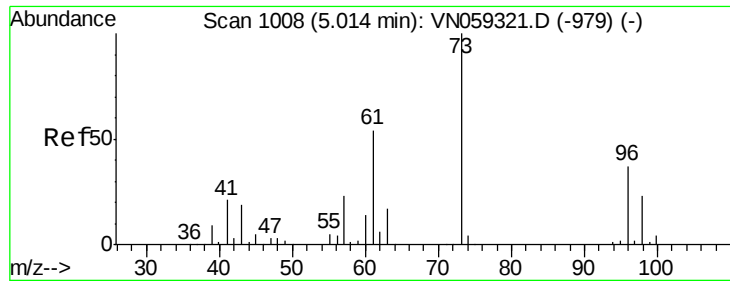
MMDadoda
11/21/2019 11:07:47 AM



#18
Methyl Acetate
Concen: 22.062 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.8	26.8





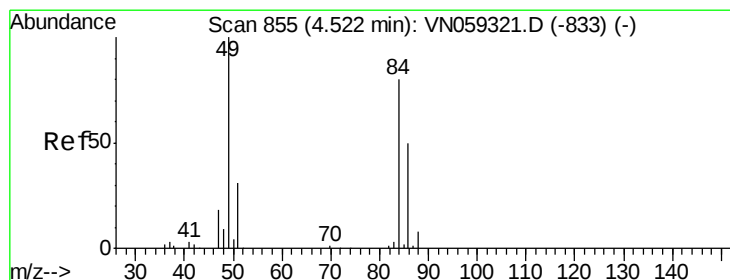
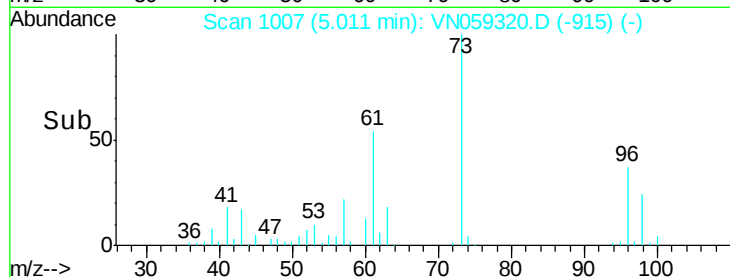
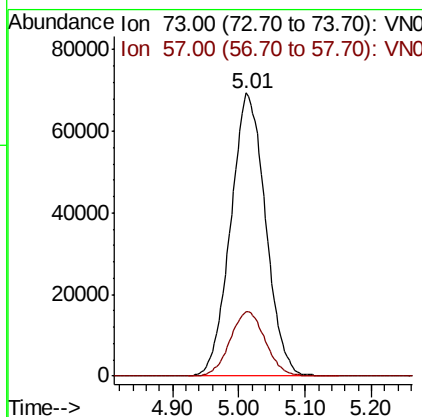
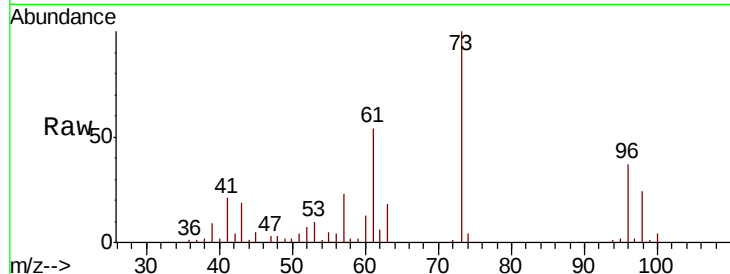
#19
Methvl tert-butvl Ether
Concen: 20.532 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 253561
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

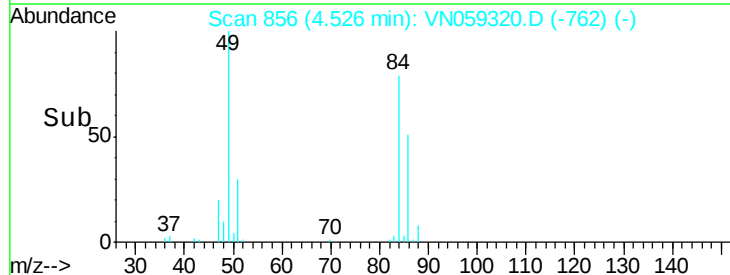
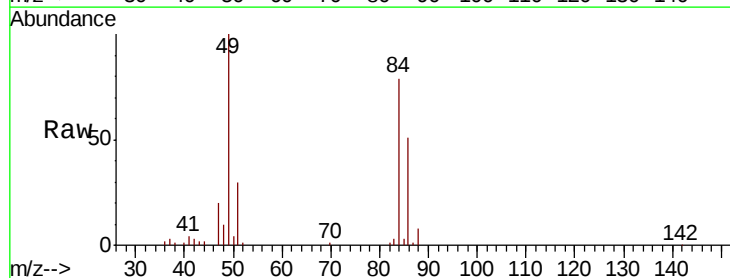
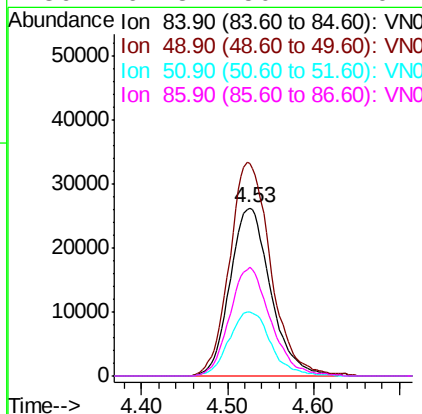
Manual Integrations
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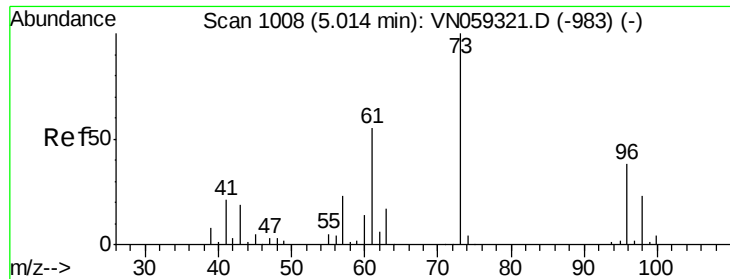
MMDadoda
11/21/2019 11:07:47 AM



#20
Methylene Chloride
Concen: 20.099 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion: 84 Resp: 86071
Ion Ratio Lower Upper
84 100
49 126.8 102.0 153.0
51 38.0 32.2 48.2
86 64.8 50.7 76.1





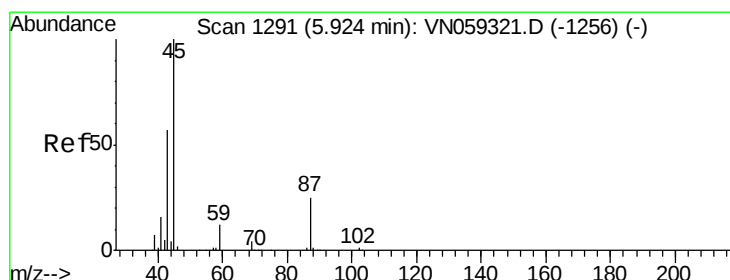
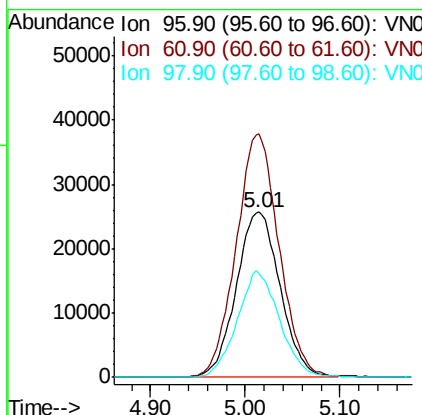
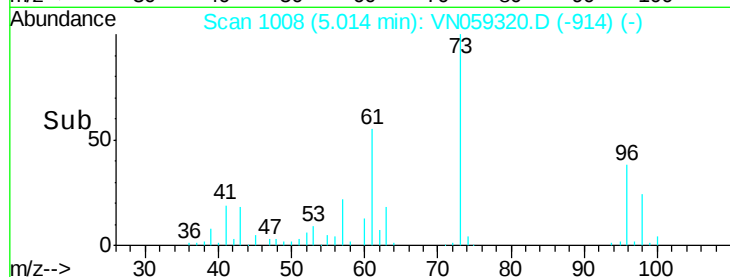
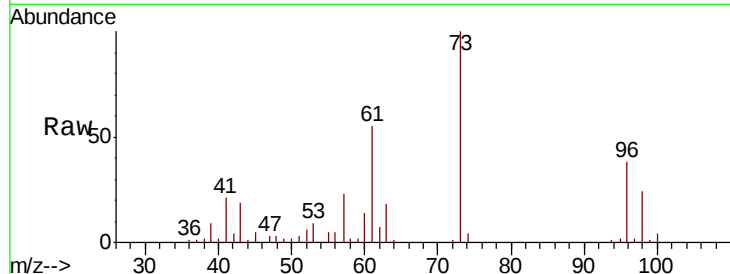
#21
trans-1,2-Dichloroethene
Concen: 21.482 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.5	122.6	183.8
98	63.3	50.3	75.5

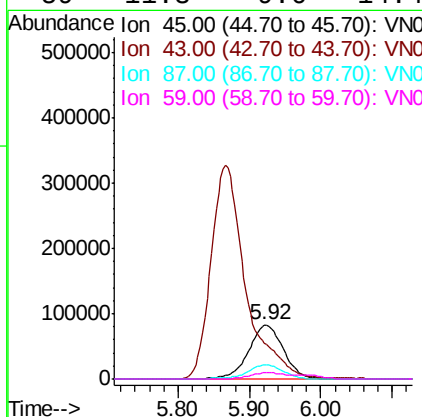
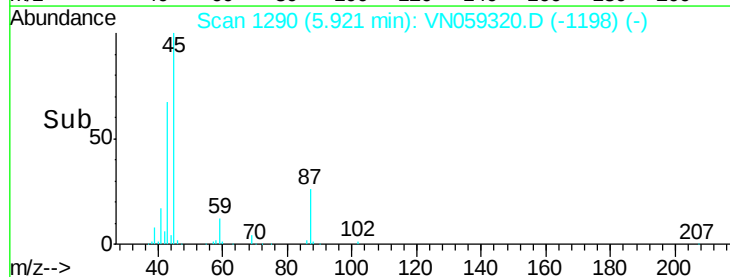
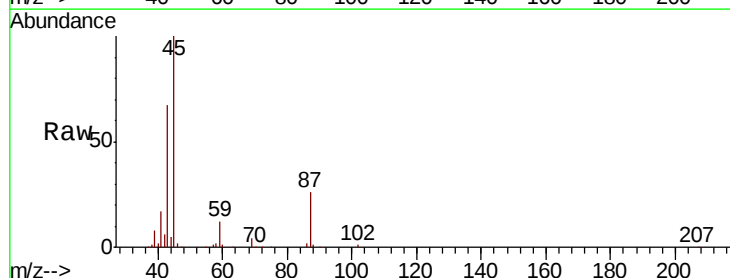
Manual Integrations
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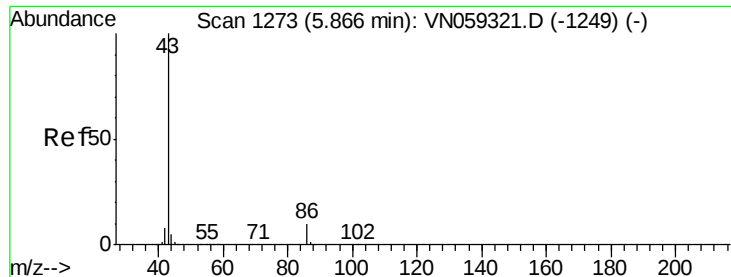
MMDadoda
11/21/2019 11:07:47 AM



#22
Diisopropyl ether
Concen: 19.981 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.3	46.7	70.1
87	26.0	20.5	30.7
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 102.328 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1103756

Ion Ratio Lower Upper

43 100

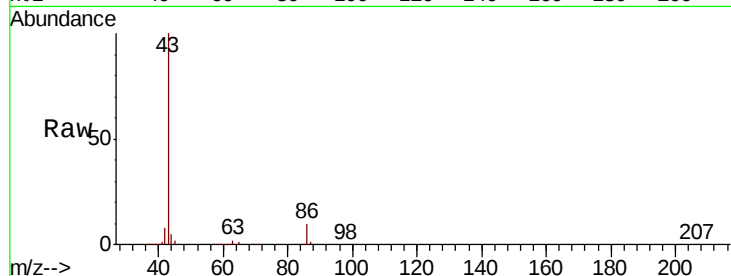
86 9.8 7.7 11.5

Manual Integrations

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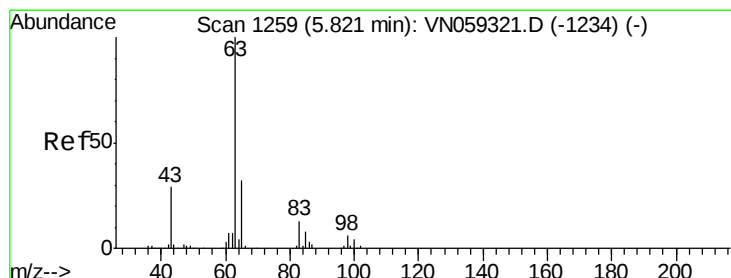
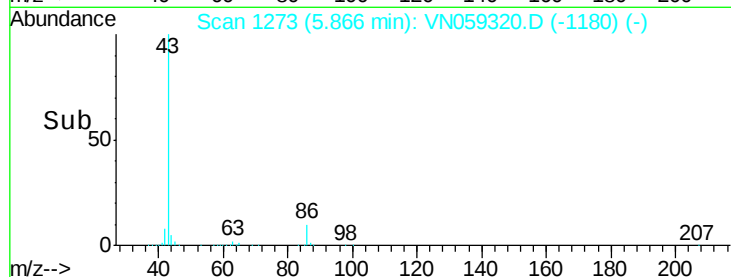
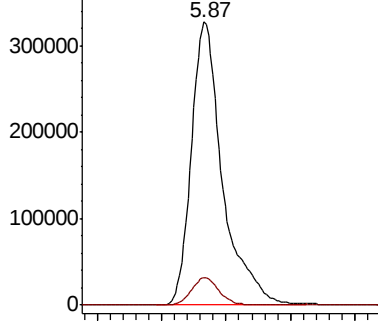
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.187 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

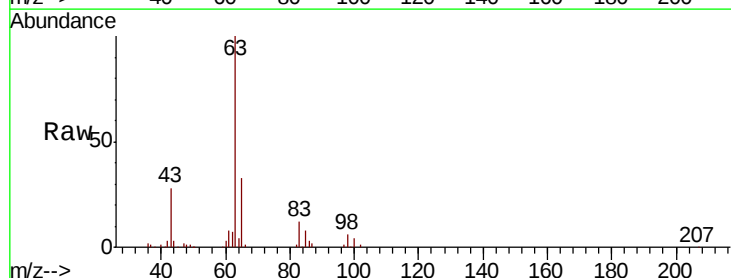
Tgt Ion: 63 Resp: 156921

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

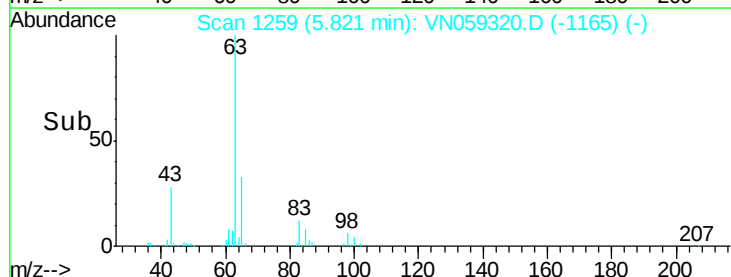
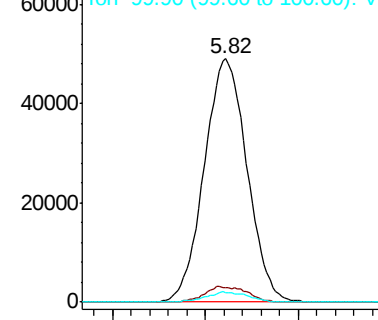
100 4.1 1.9 5.7

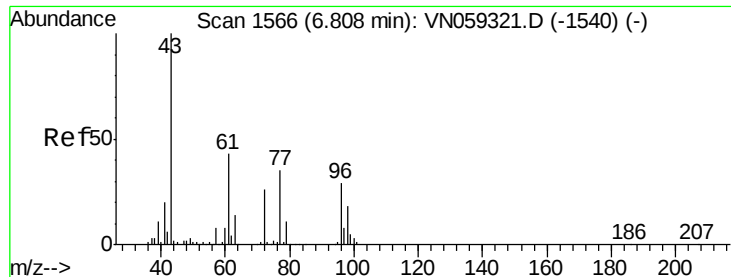


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





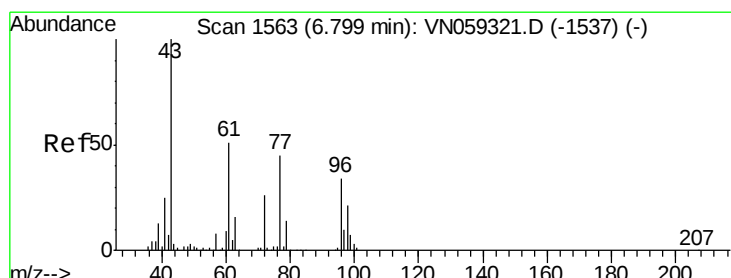
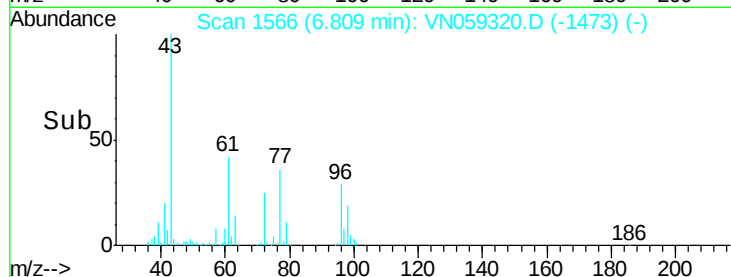
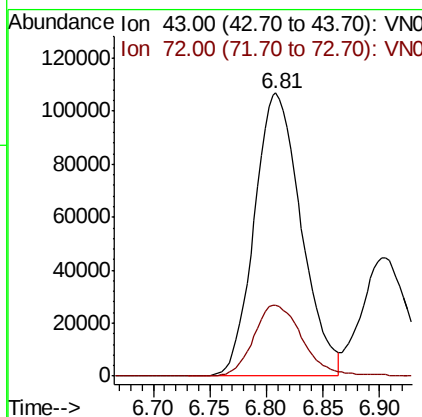
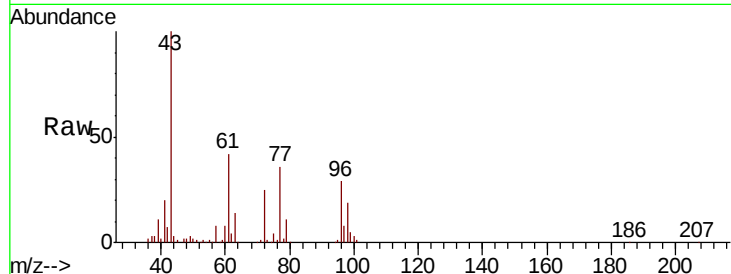
#25
2-Butanone
Concen: 94.819 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 307176
Ion Ratio Lower Upper
43 100
72 25.1 20.3 30.5

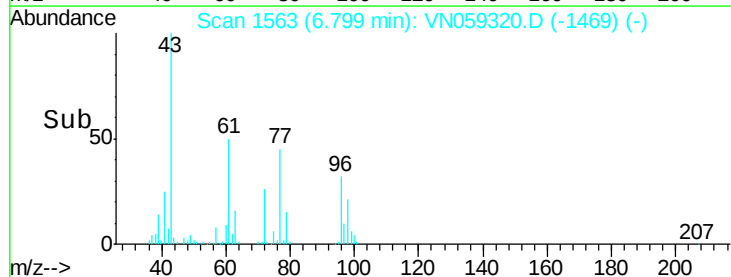
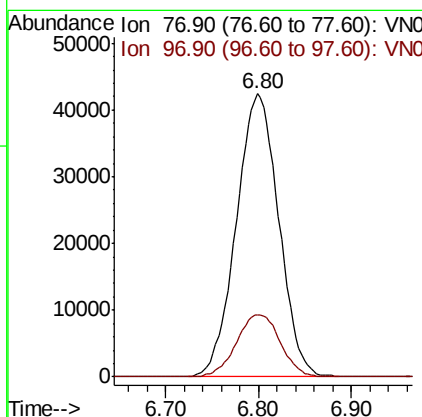
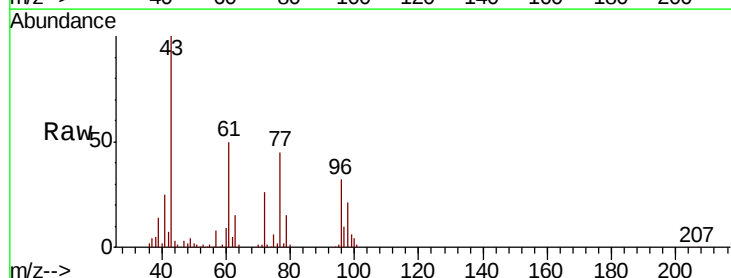
Manual Integrations
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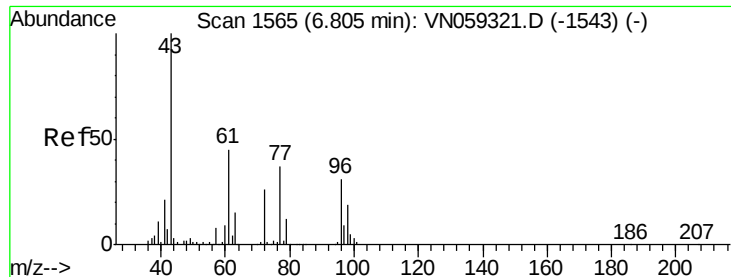
MMDadoda
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#26
2,2-Dichloropropane
Concen: 19.798 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion: 77 Resp: 134568
Ion Ratio Lower Upper
77 100
97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.422 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

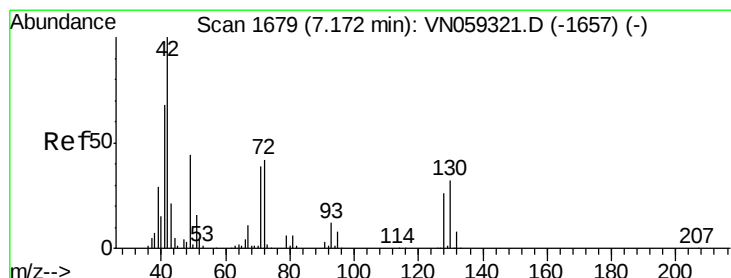
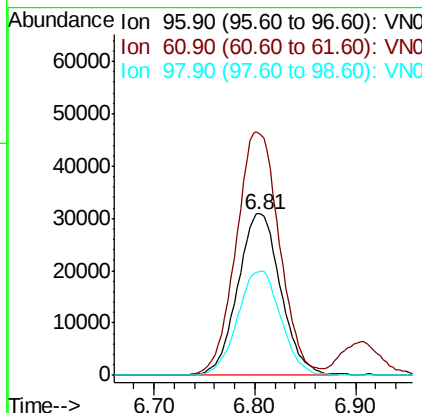
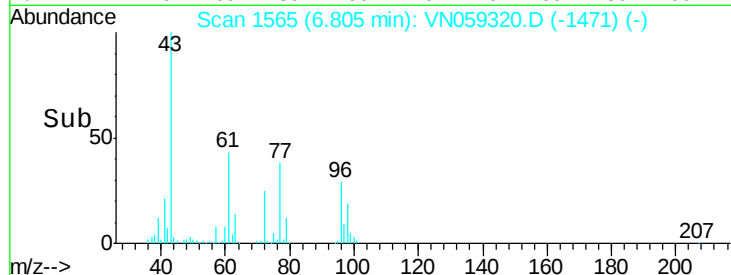
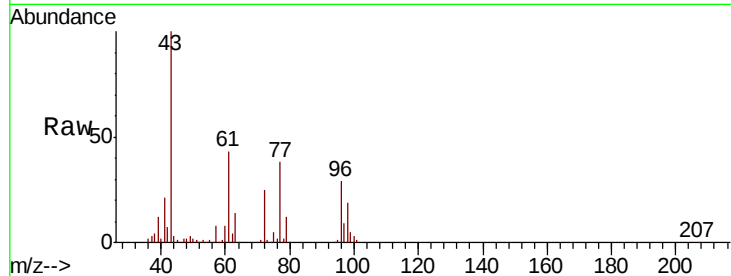
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	91224
Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	311.6
98	65.1	0.0	129.8

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#28

Bromochloromethane

Concen: 26.190 ug/l

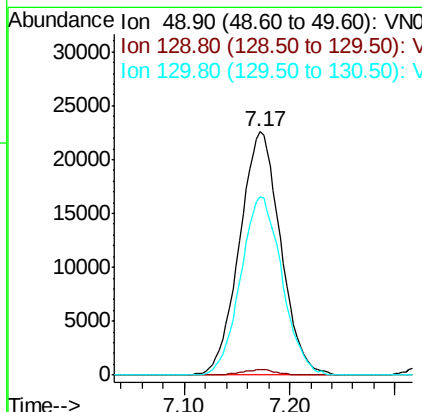
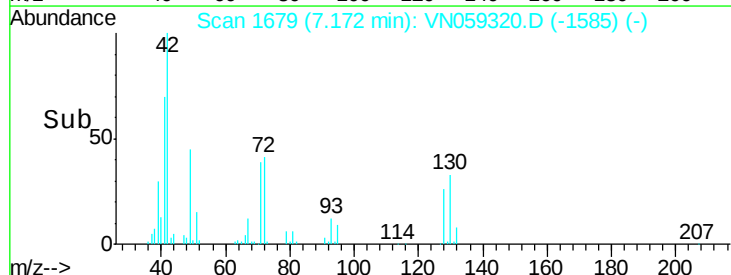
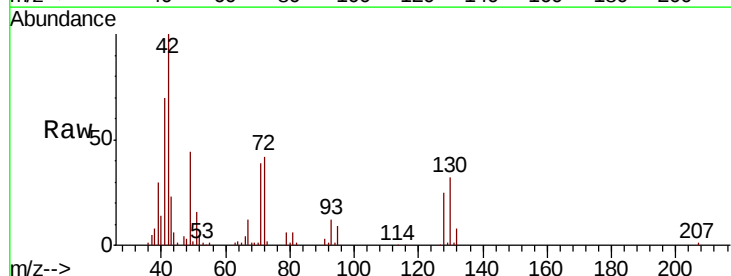
RT: 7.17 min Scan# 1679

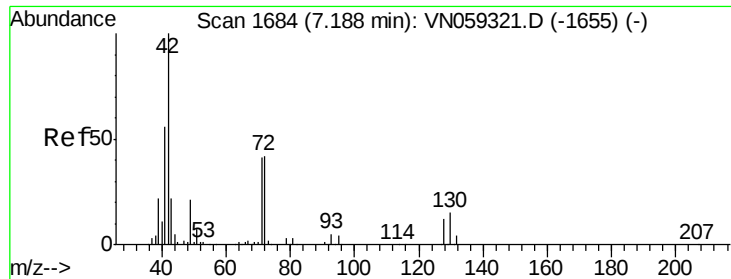
Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion:	49	Resp:	61250
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	73.5	55.6	83.4





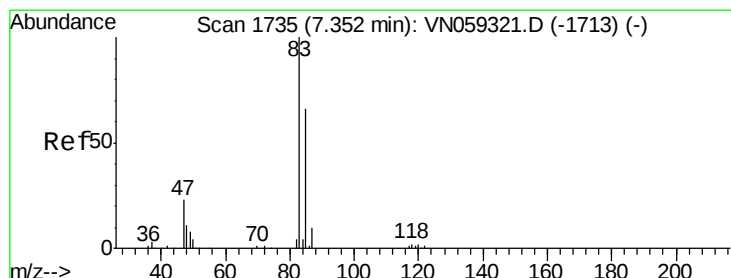
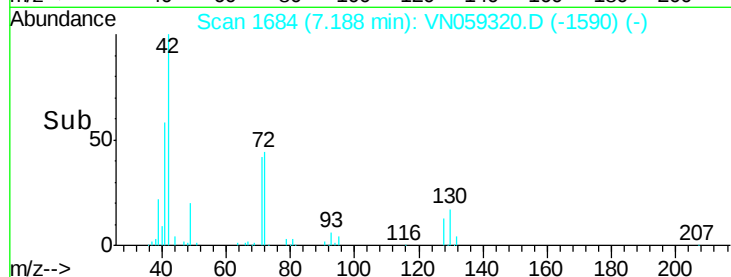
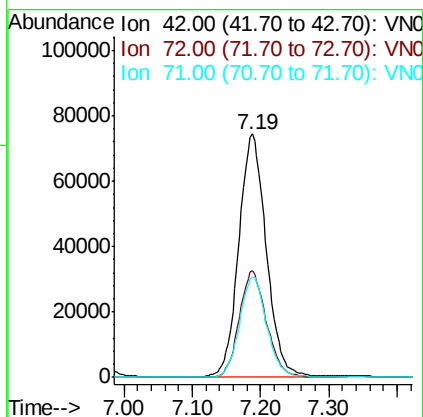
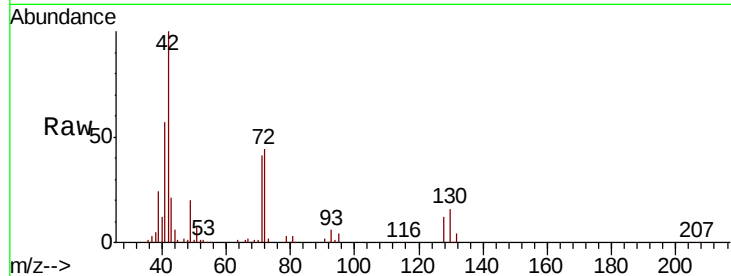
#29
Tetrahydrofuran
Concen: 102.002 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.1	49.7
71	40.3	30.9	46.3

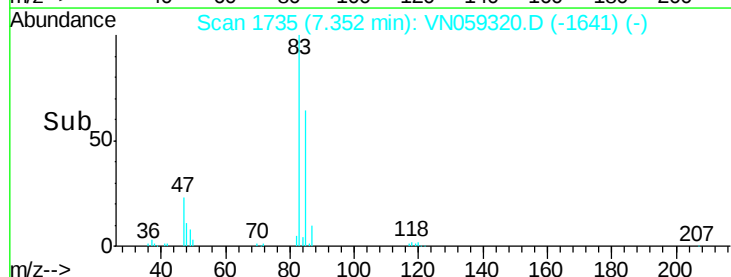
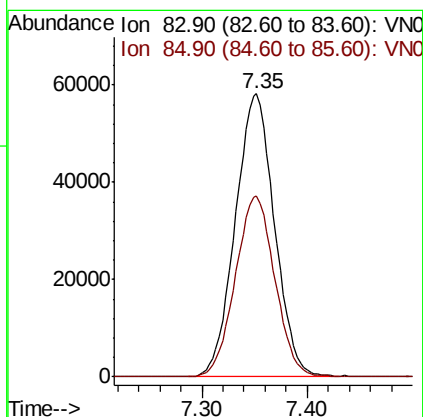
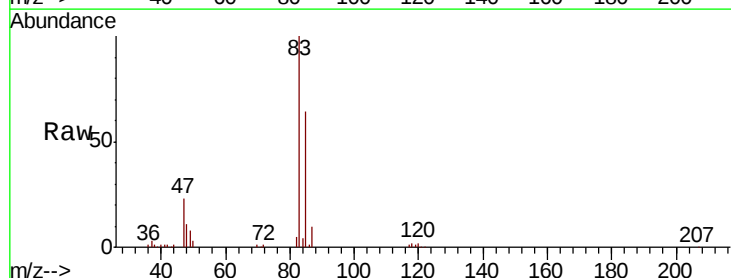
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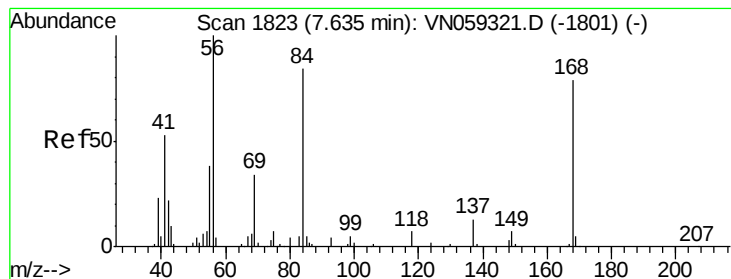
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#30
Chloroform
Concen: 20.141 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.8





#31

Cyclohexane

Concen: 20.492 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

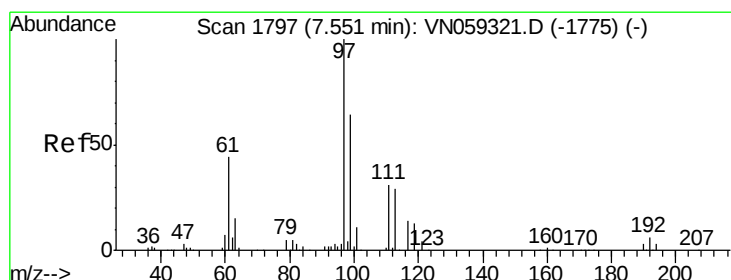
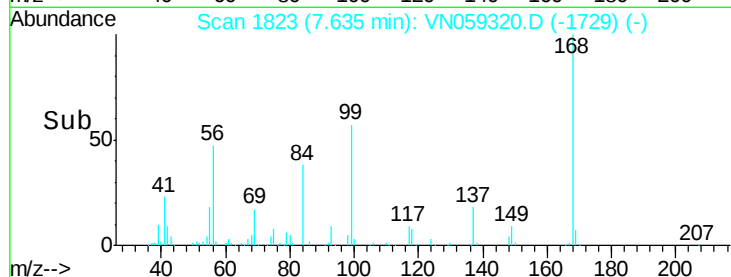
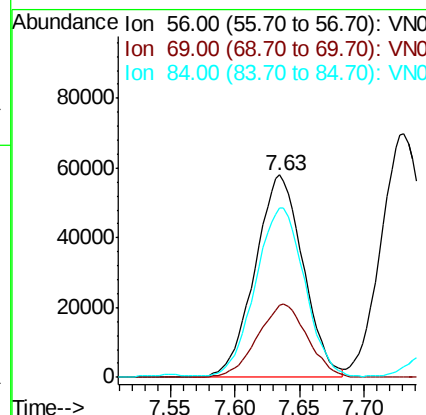
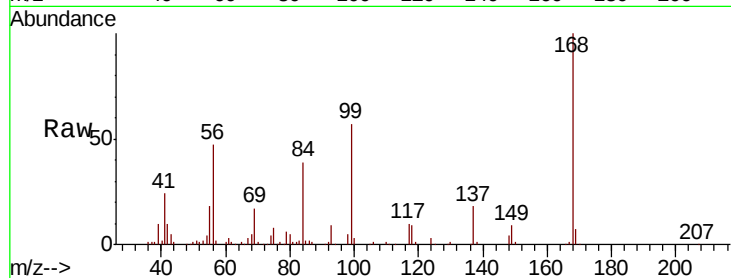
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	150801
Ion Ratio	Lower	Upper	
56	100		
69	35.5	25.8	38.8
84	82.9	65.0	97.4

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#32

1,1,1-Trichloroethane

Concen: 20.715 ug/l

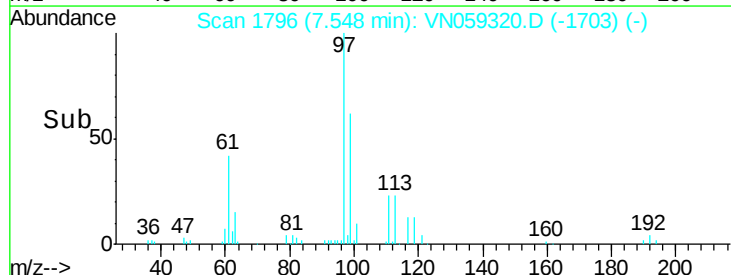
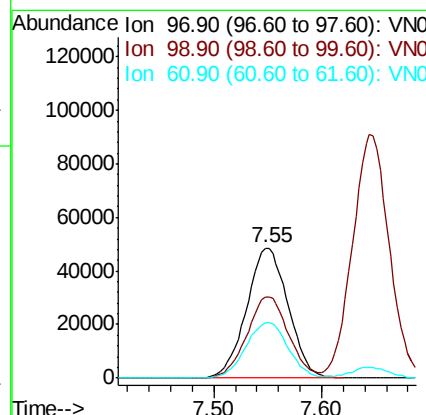
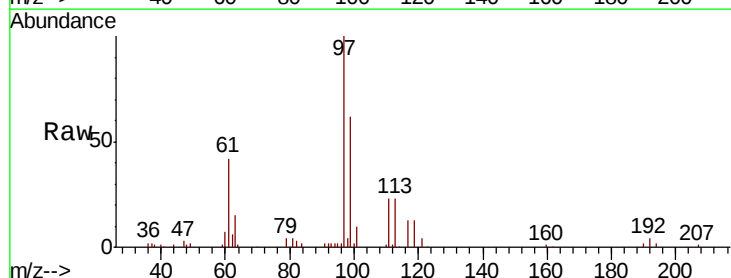
RT: 7.55 min Scan# 1796

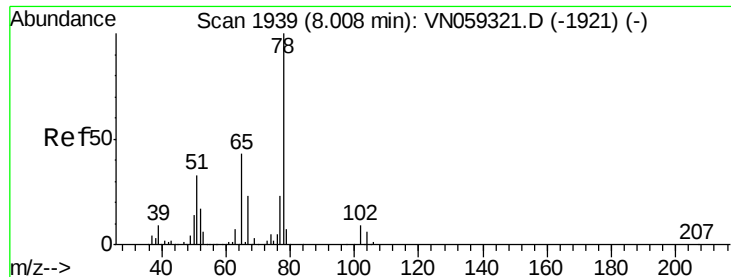
Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion:	97	Resp:	129866
Ion Ratio	Lower	Upper	
97	100		
99	62.3	51.0	76.6
61	43.6	35.8	53.8





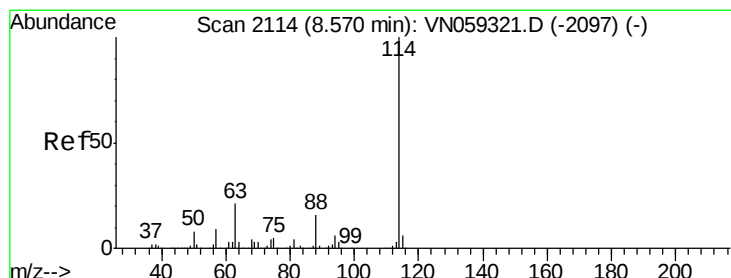
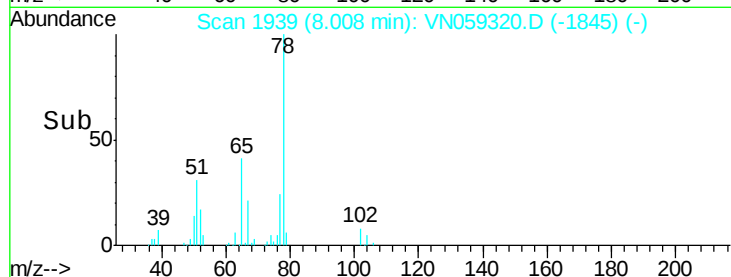
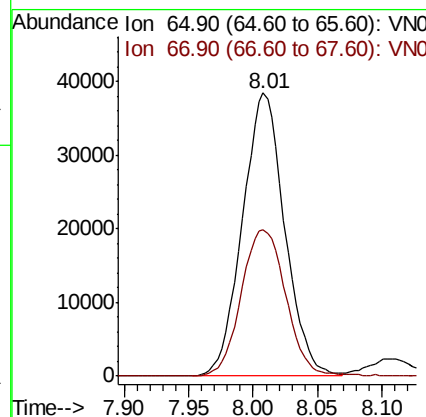
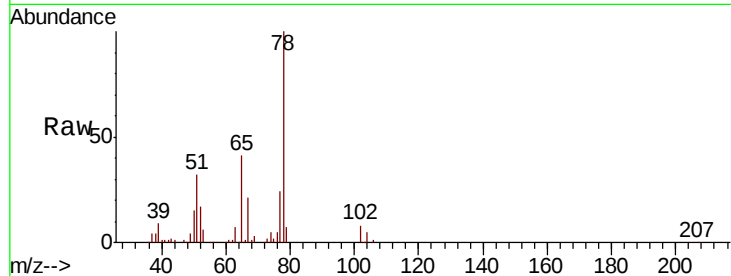
#33
 1,2-Dichloroethane-d4
 Concen: 18.568 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	107.4

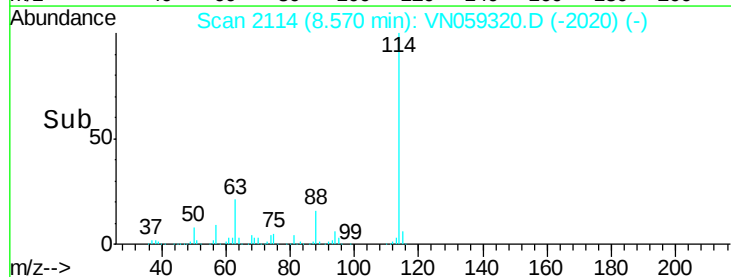
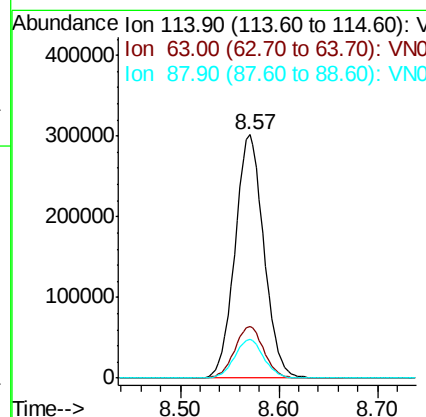
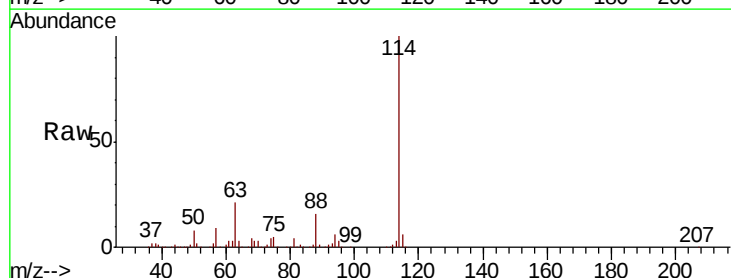
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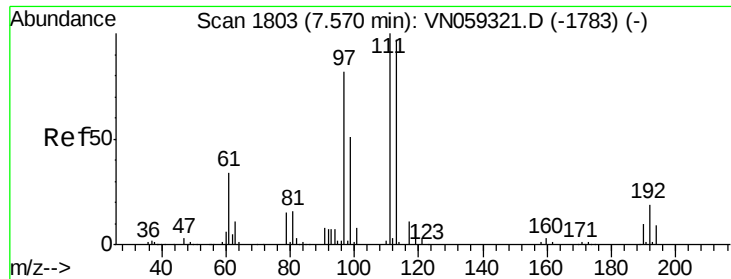
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.4
88	16.0	0.0	32.2





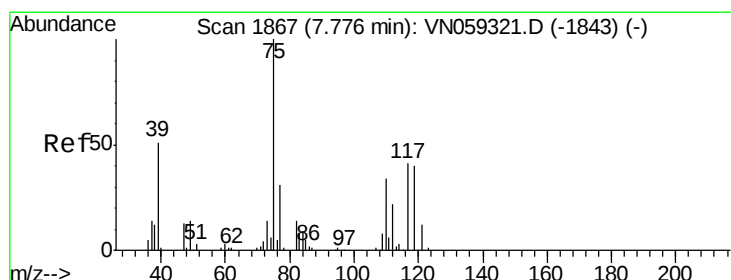
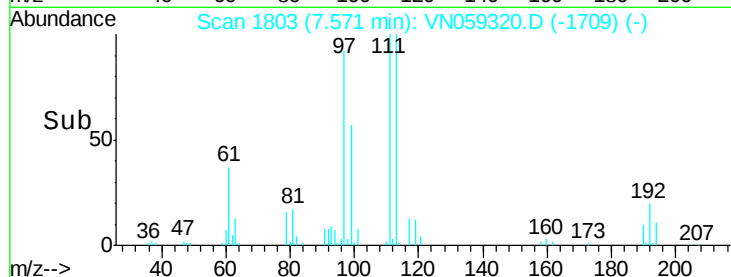
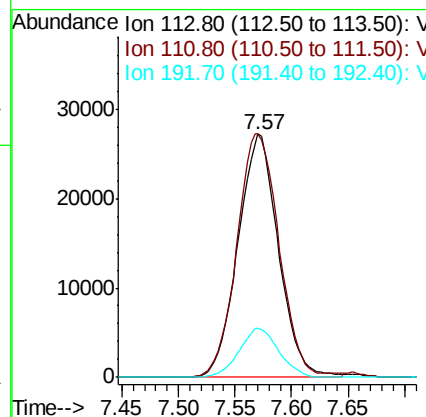
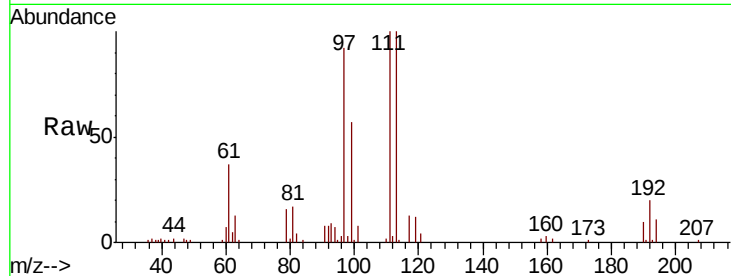
#35
Dibromofluoromethane
Concen: 18.480 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.8	124.2
192	19.7	16.1	24.1

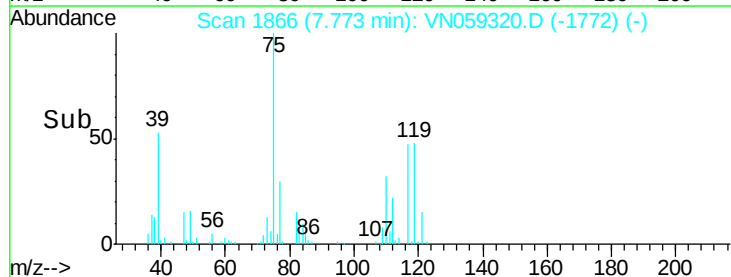
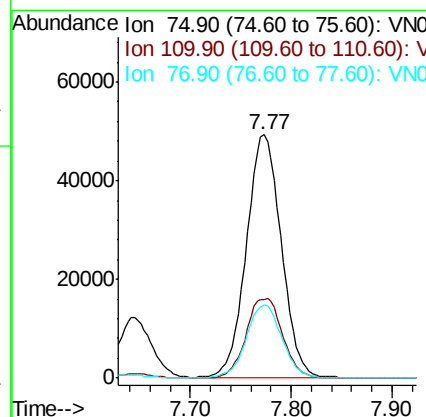
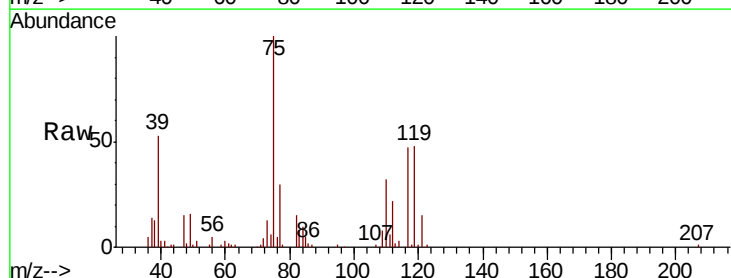
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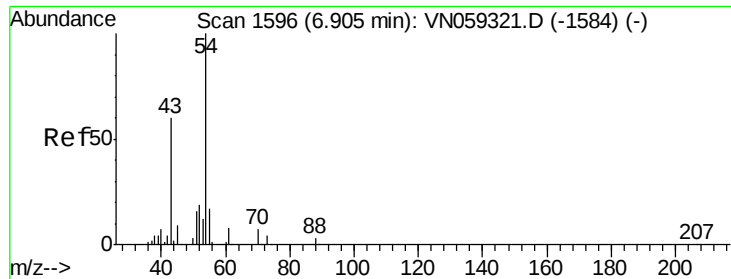
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#36
1,1-Dichloropropene
Concen: 20.734 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

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





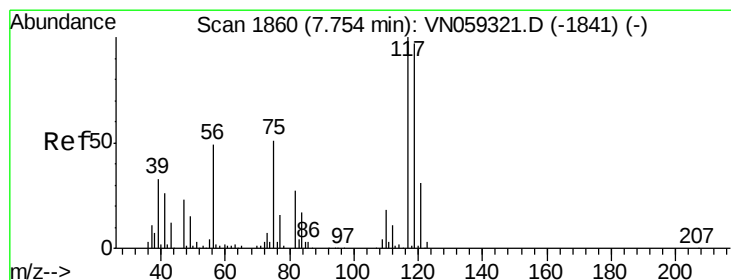
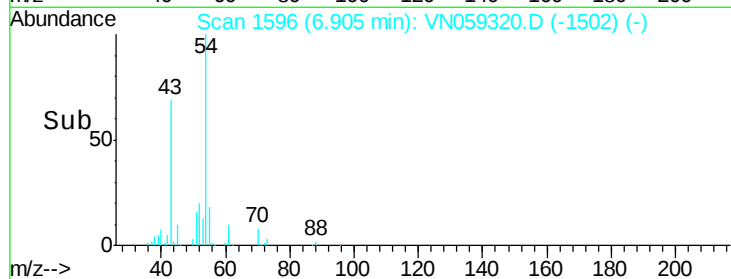
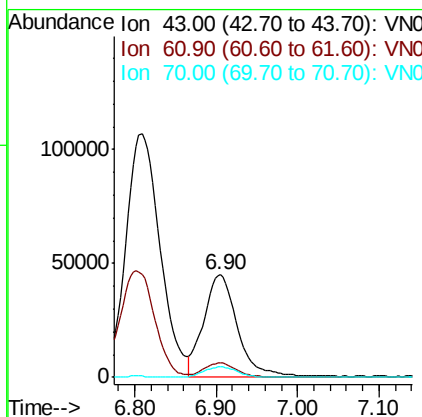
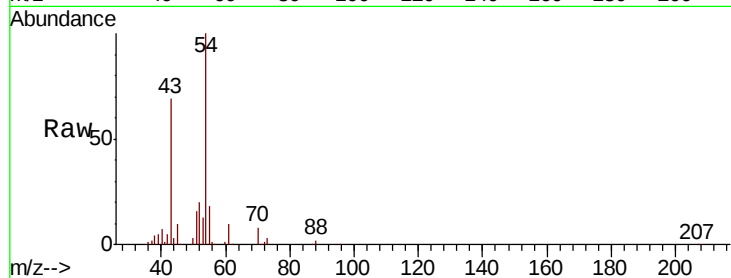
#37
Ethyl Acetate
Concen: 20.293 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.2	16.8
70	10.0	7.8	11.8

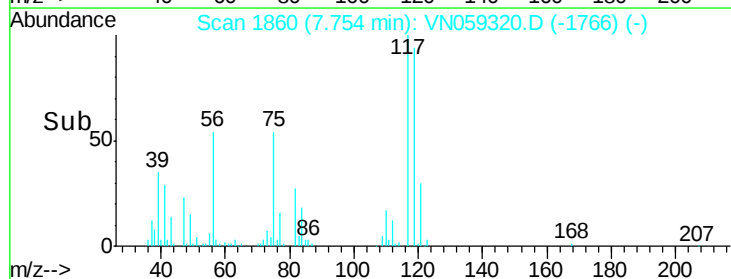
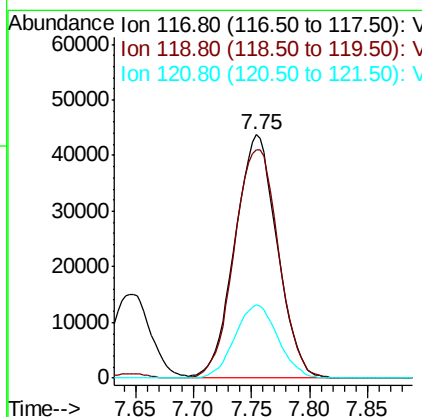
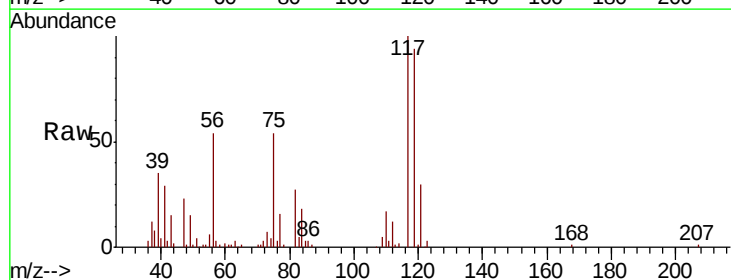
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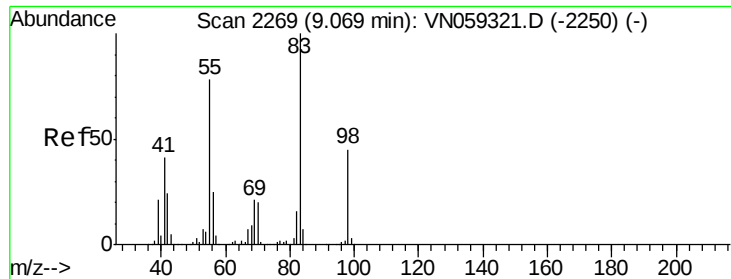
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#38
Carbon Tetrachloride
Concen: 19.478 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.6	113.4
121	30.0	24.6	36.8





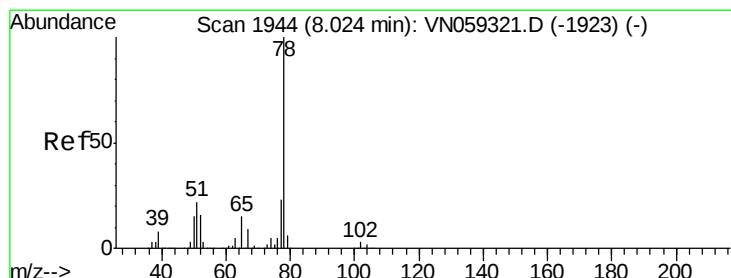
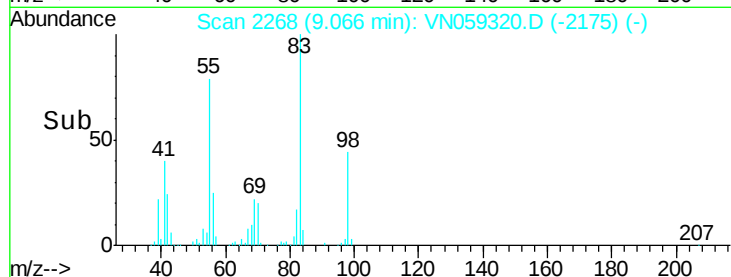
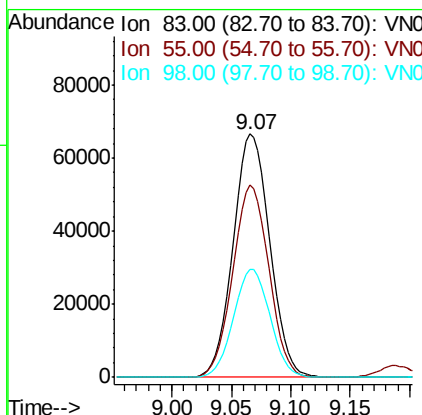
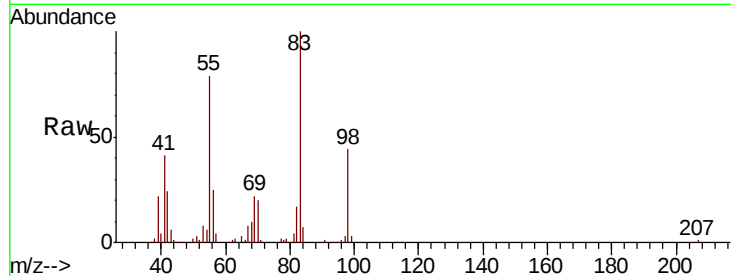
#39
Methvlcvclohexane
Concen: 21.408 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	63.9	95.9
98	44.2	35.6	53.4

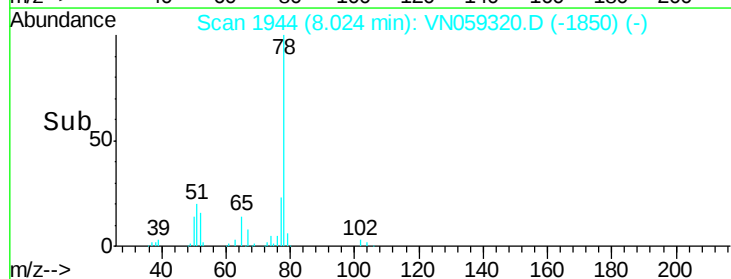
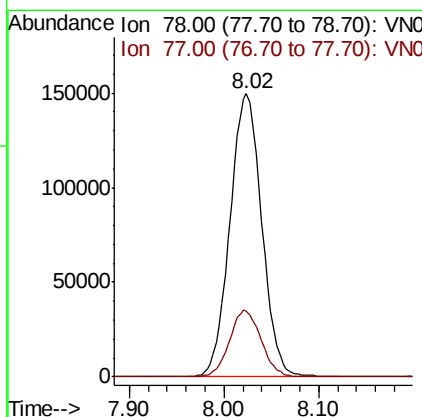
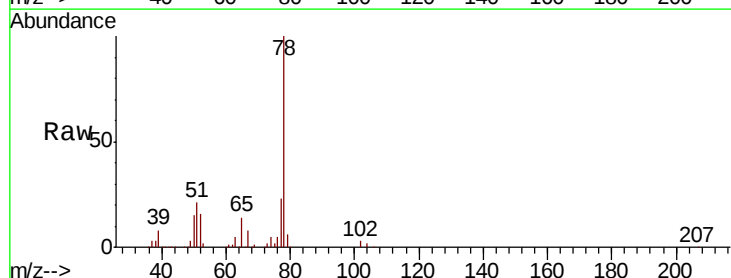
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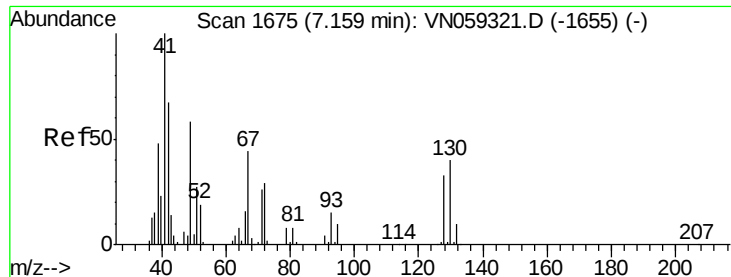
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#40
Benzene
Concen: 20.226 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





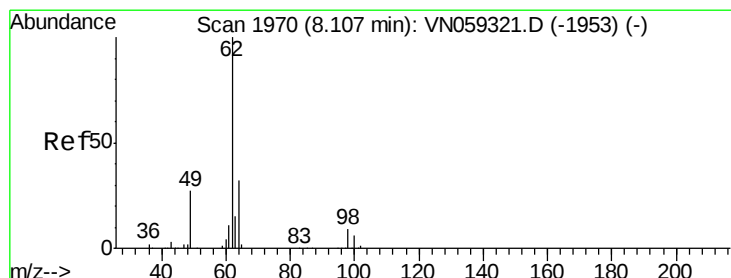
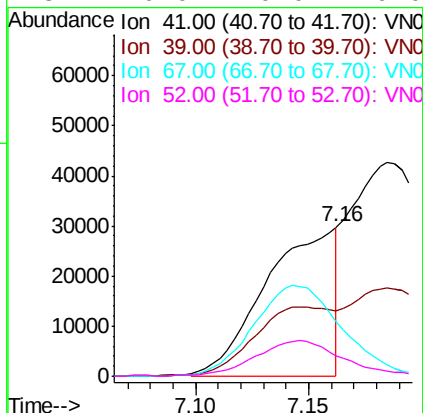
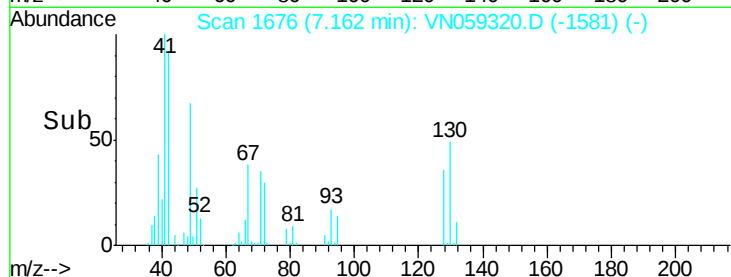
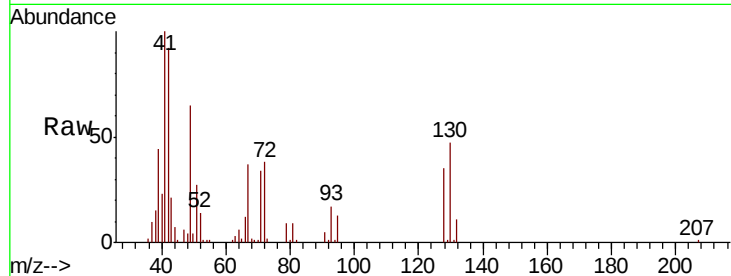
#41
Methacrylonitrile
Concen: 23.310 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

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

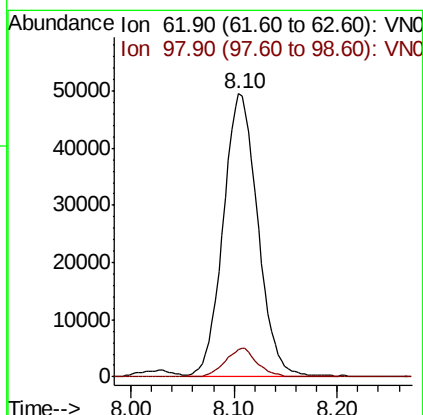
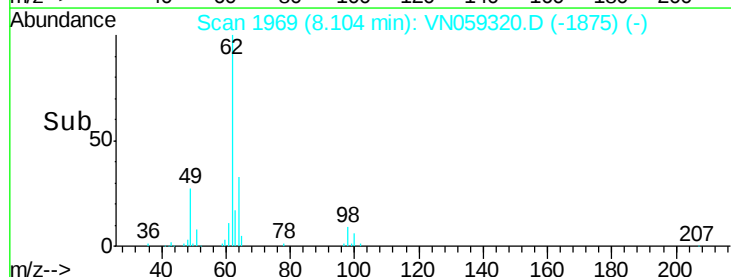
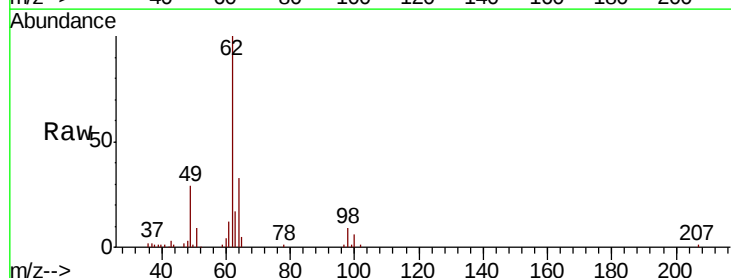
Manual Integrations
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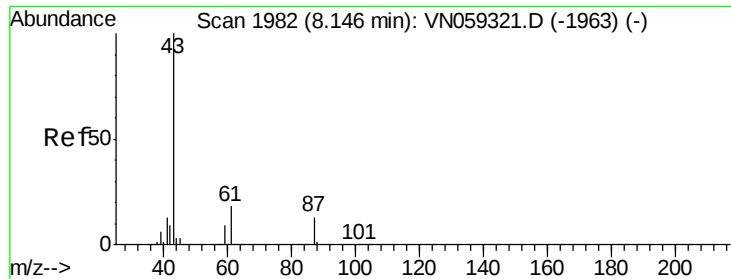
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#42
1,2-Dichloroethane
Concen: 19.412 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.068 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

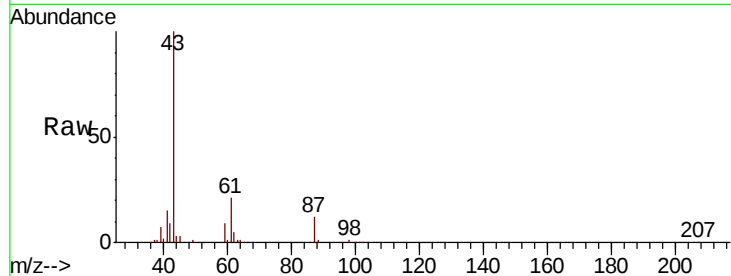
ClientSampleId :

VSTDIC020

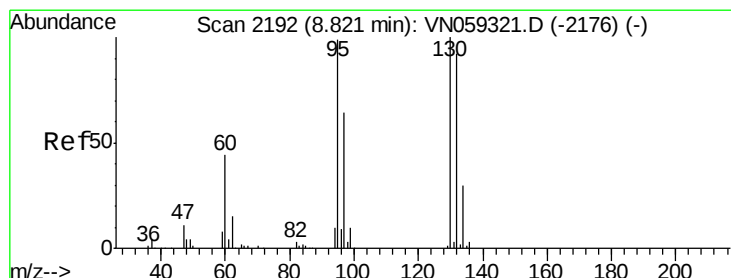
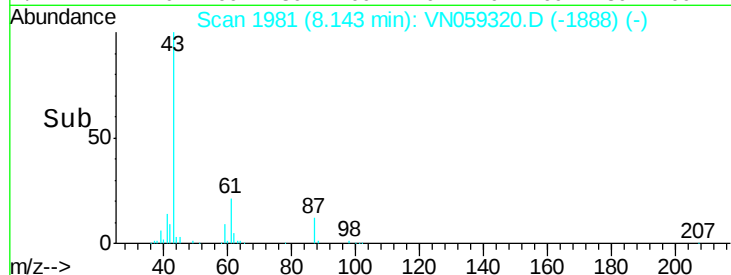
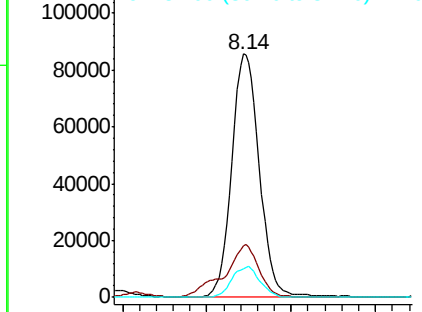
Tot Ion:	43	Resp:	193973
Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.0	31.6
87	12.9	9.8	14.6

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Abundance Ion 43.00 (42.70 to 43.70): VN059320.D (-1888) (-)



#44

Trichloroethene

Concen: 20.719 ug/l

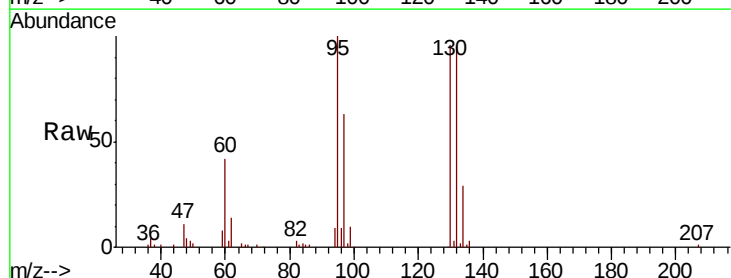
RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

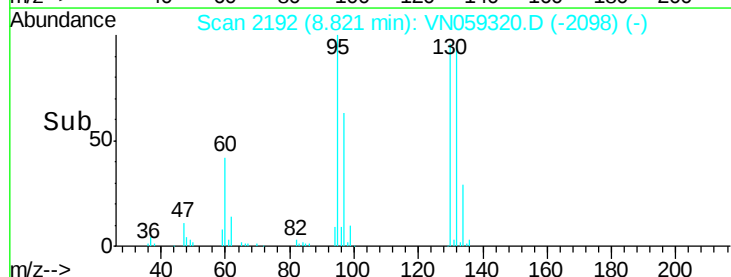
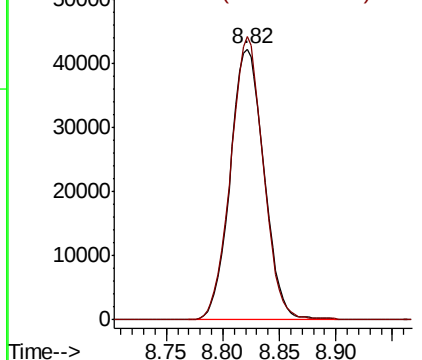
Lab File: VN059320.D

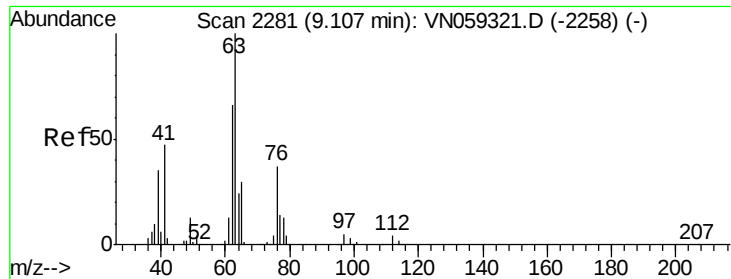
Acq: 20 Nov 2019 12:08

Tgt Ion:	130	Resp:	87970
Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059320.D (-2098) (-)





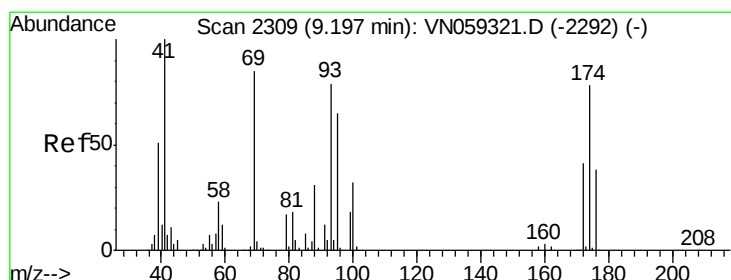
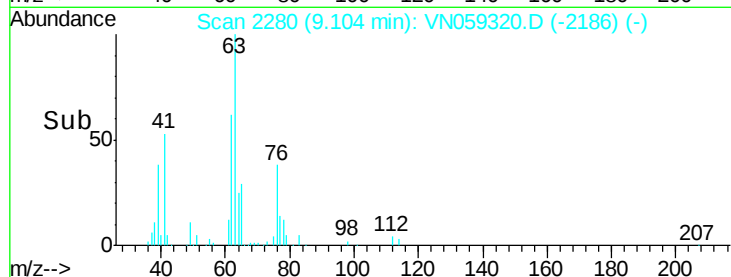
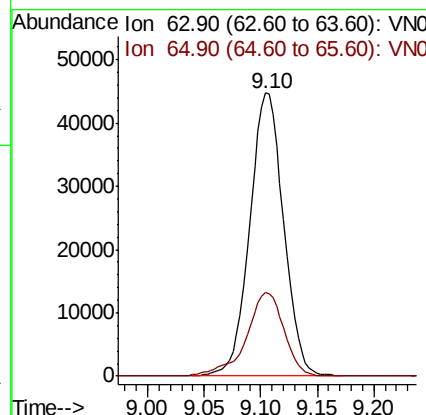
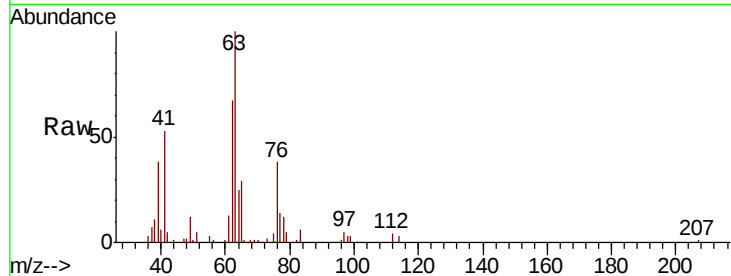
#45
 1,2-Dichloropropane
 Concen: 19.857 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.6	37.0

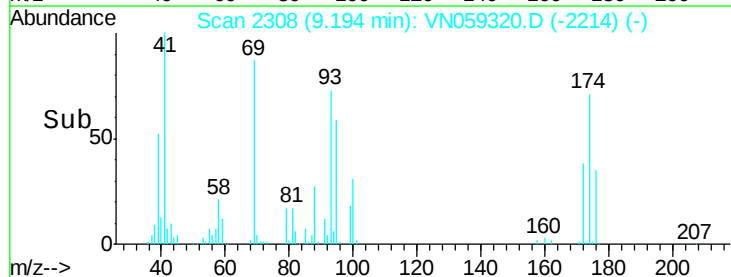
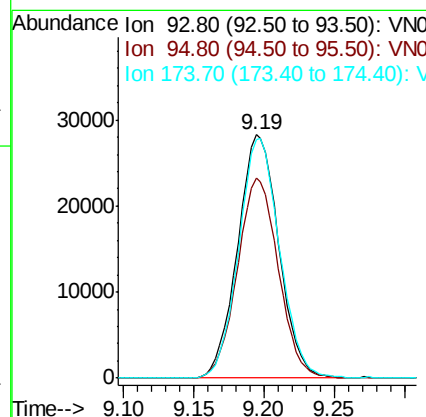
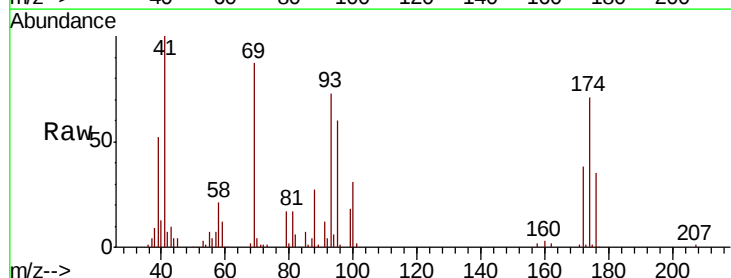
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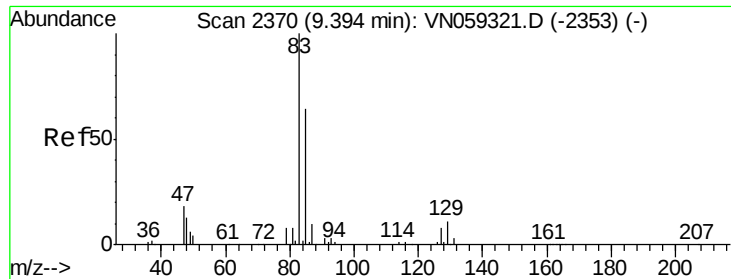
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#46
 Dibromomethane
 Concen: 19.726 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	66.6	100.0
174	98.3	78.2	117.2





#47

Bromodichloromethane

Concen: 19.520 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

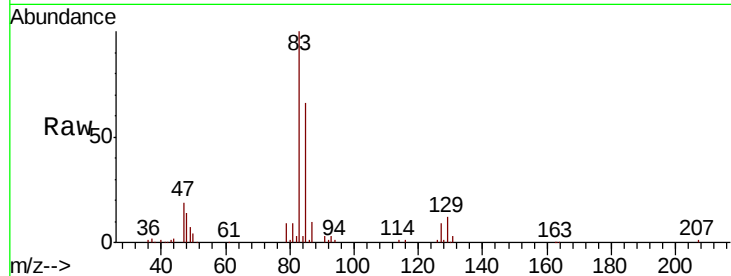
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	113953
Ion Ratio	Lower	Upper	
83	100		
85	65.6	49.7	74.5
127	8.8	6.4	9.6

Manual Integrations
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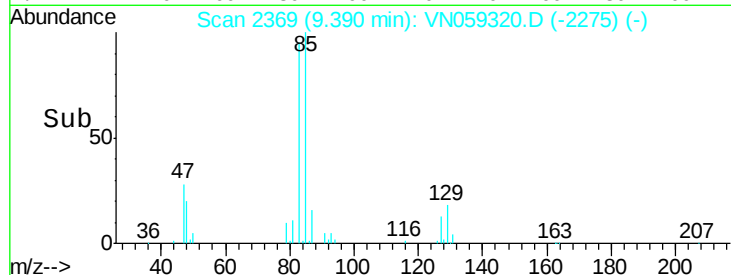


Abundance Ion 82.90 (82.60 to 83.60): VN059320.D (-2275) (-)

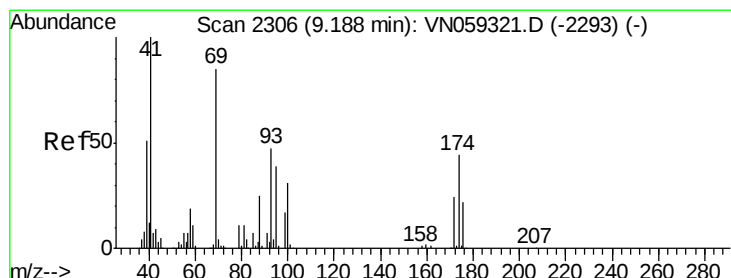
Ion 84.90 (84.60 to 85.60): VN059320.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059320.D (-2275) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 18.697 ug/l

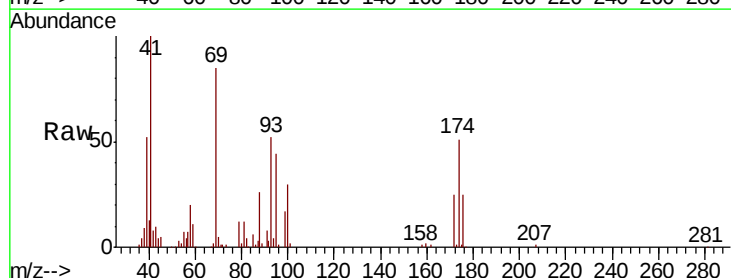
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion:	41	Resp:	85074
Ion Ratio	Lower	Upper	
41	100		
69	87.7	67.3	100.9
39	54.4	43.3	64.9

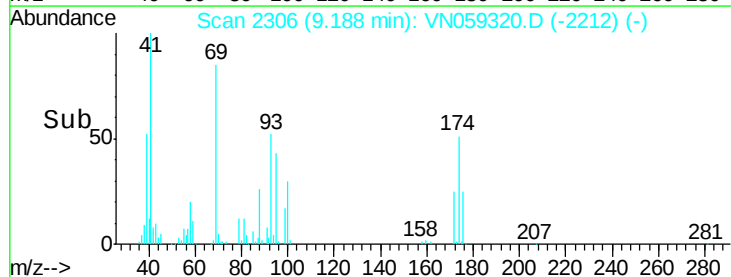


Abundance Ion 41.00 (40.70 to 41.70): VN059320.D (-2212) (-)

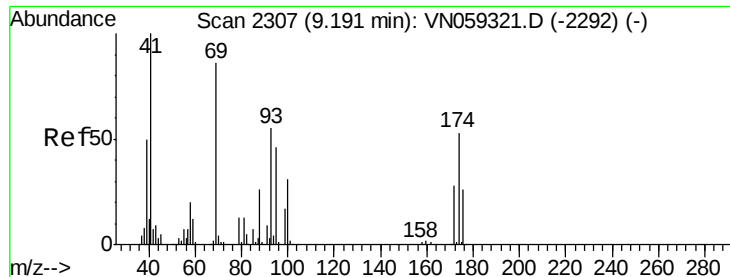
Ion 69.00 (68.70 to 69.70): VN059320.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059320.D (-2212) (-)

Time-->



Time-->



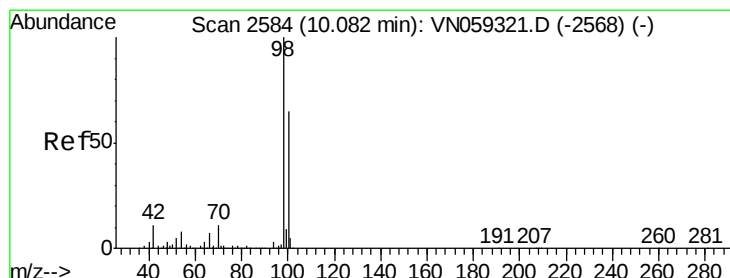
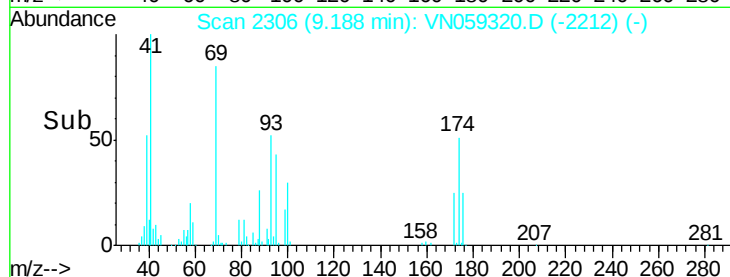
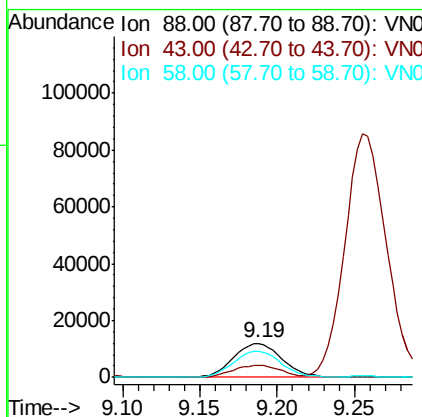
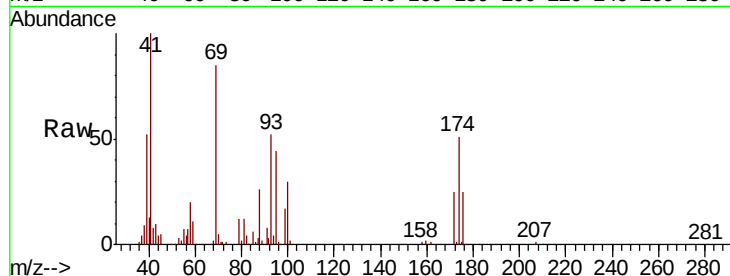
#49
1,4-Dioxane
Concen: 321.972 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	26.3	39.5
58	75.8	60.6	90.8

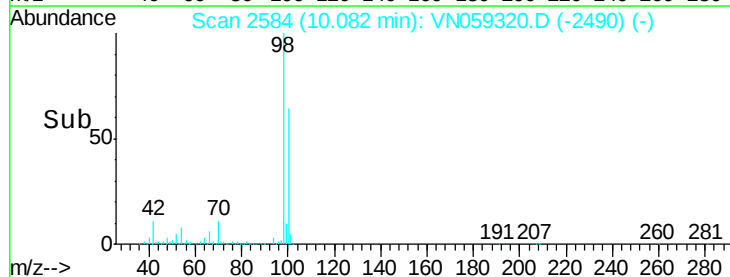
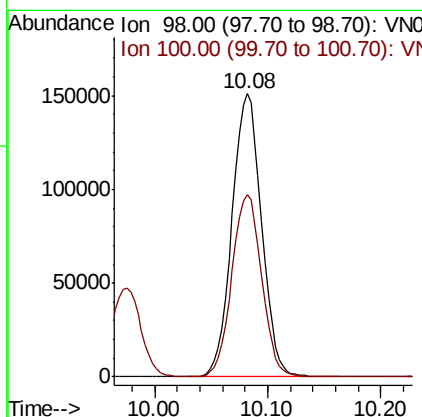
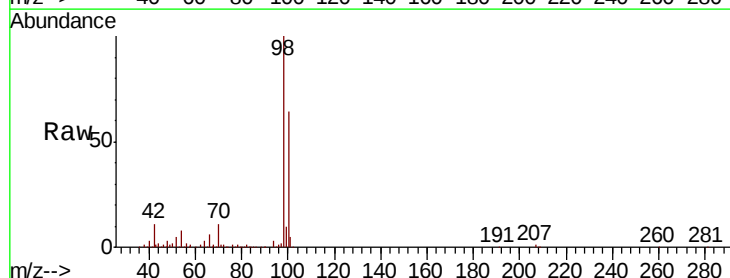
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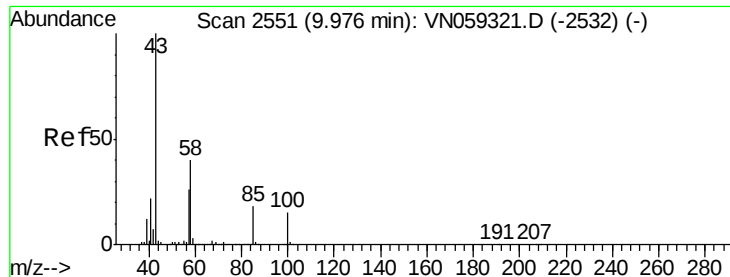
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#50
Toluene-d8
Concen: 19.039 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 106.663 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 613948

Ion Ratio Lower Upper

43 100

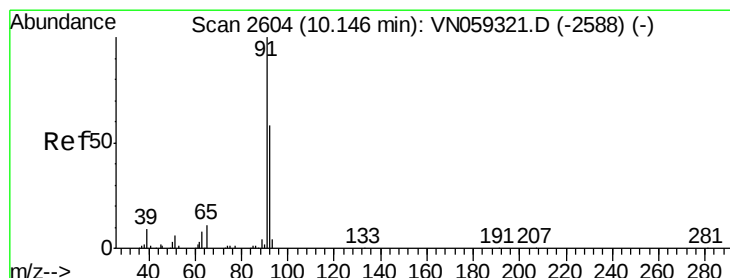
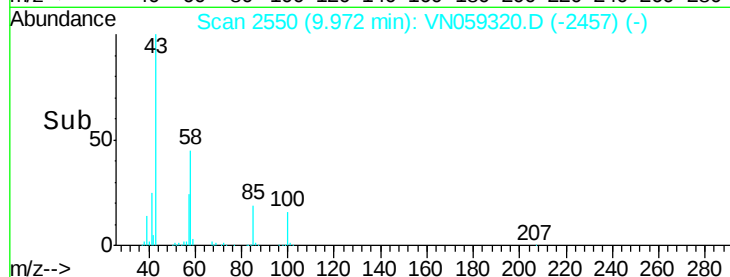
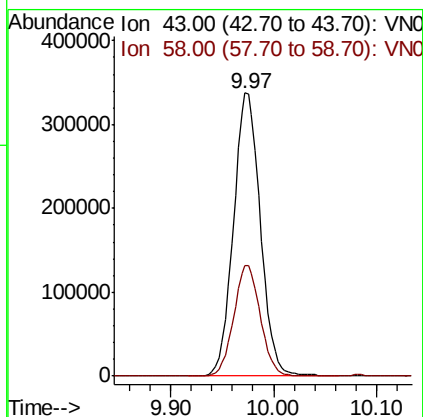
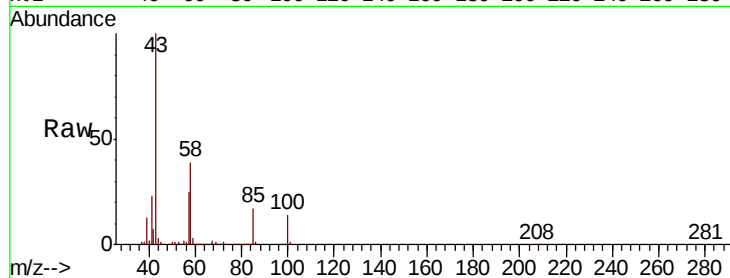
58 38.7 31.5 47.3

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#52

Toluene

Concen: 20.362 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059320.D

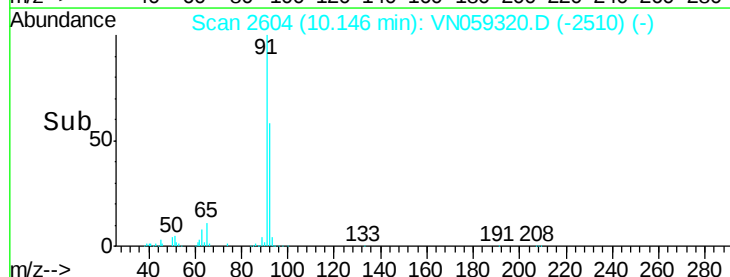
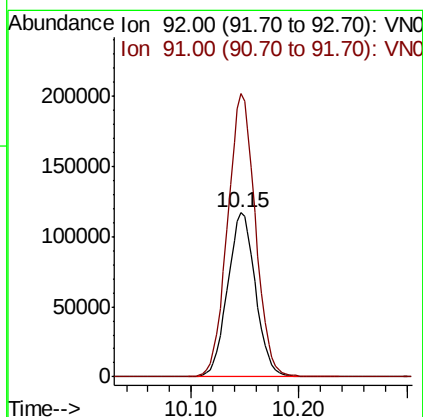
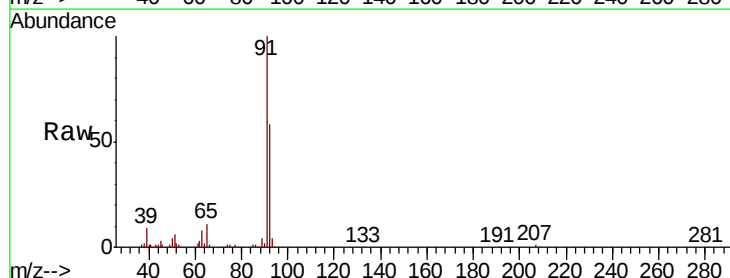
Acq: 20 Nov 2019 12:08

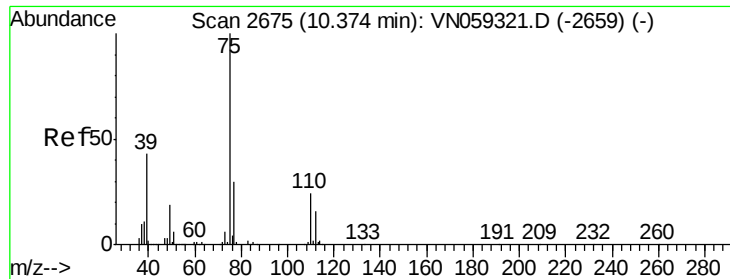
Tgt Ion: 92 Resp: 210801

Ion Ratio Lower Upper

92 100

91 172.0 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 19.077 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 128663

Ion Ratio Lower Upper

75 100

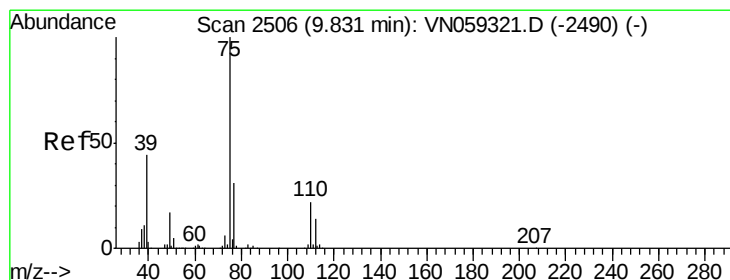
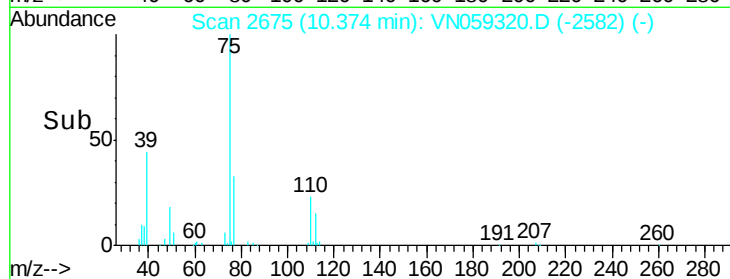
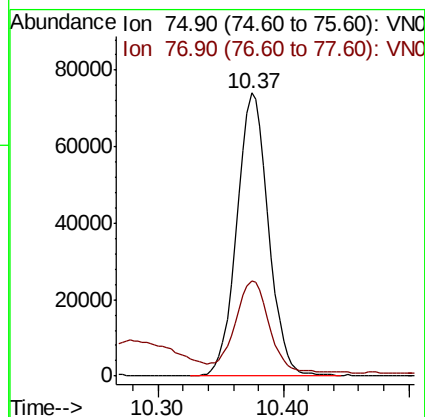
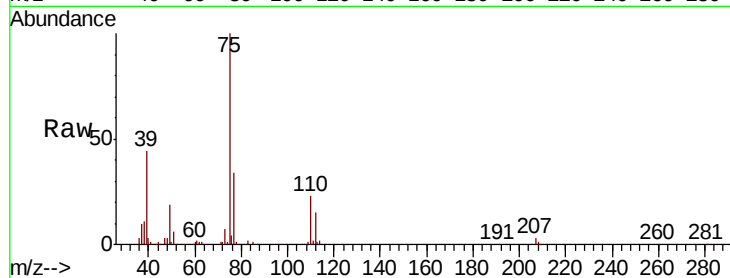
77 32.2 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.528 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

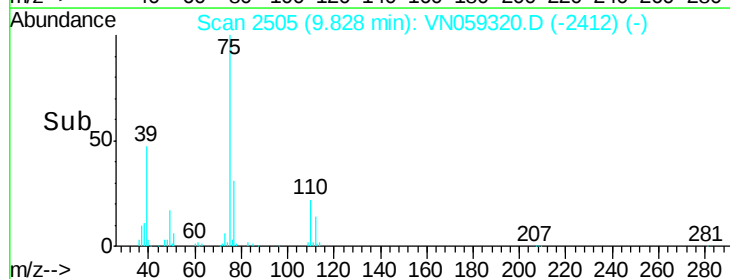
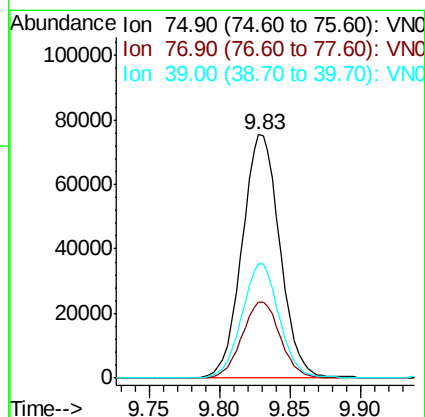
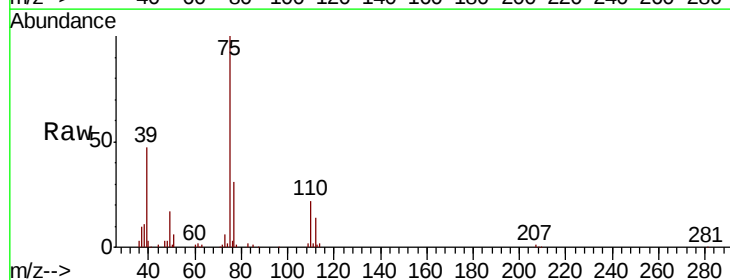
Tgt Ion: 75 Resp: 141673

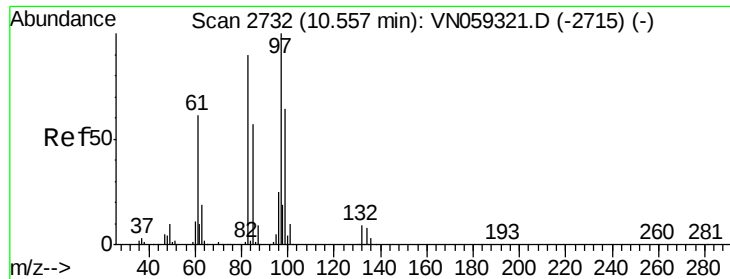
Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 47.0 37.3 55.9





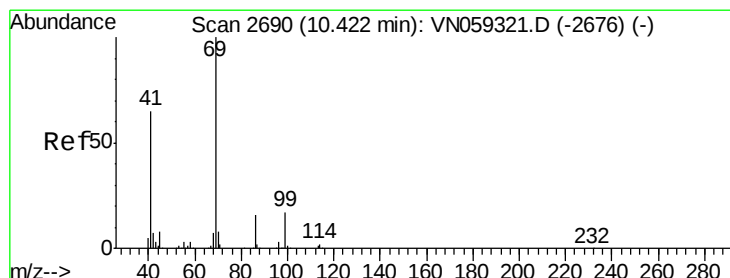
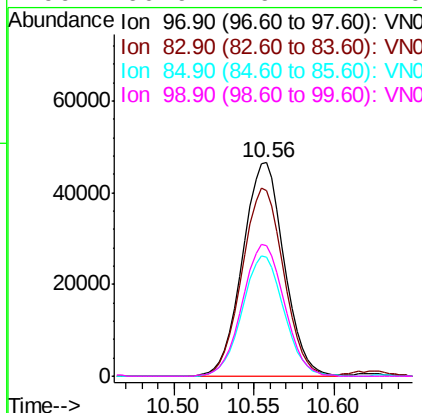
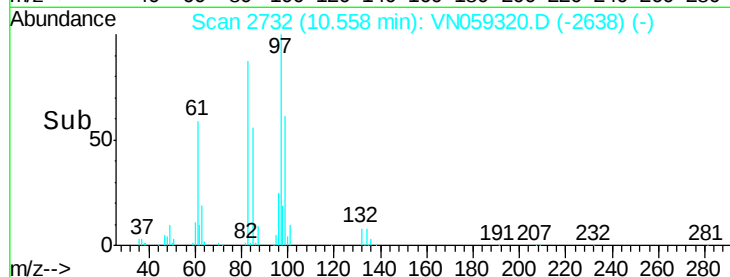
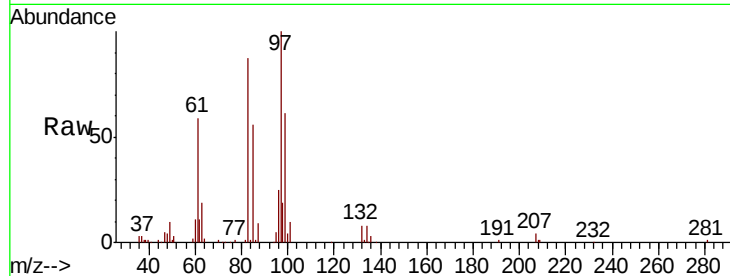
#55
 1,1,2-Trichloroethane
 Concen: 19.745 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	82725
Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.0	106.4
85	55.7	45.8	68.8
99	60.9	49.4	74.0

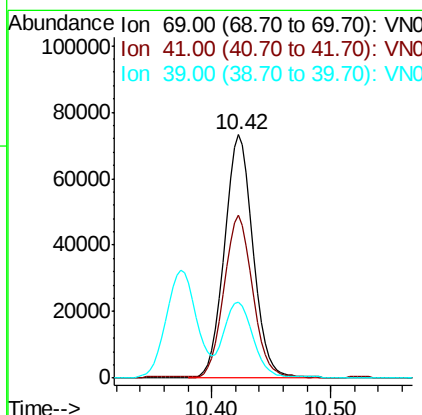
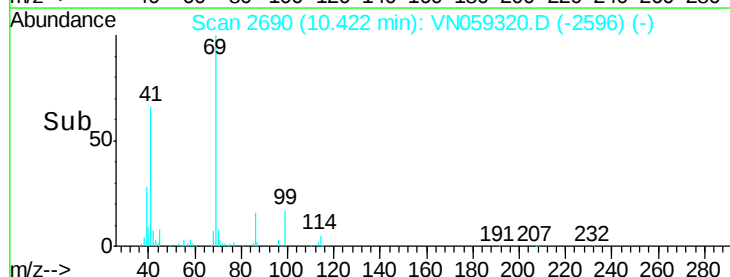
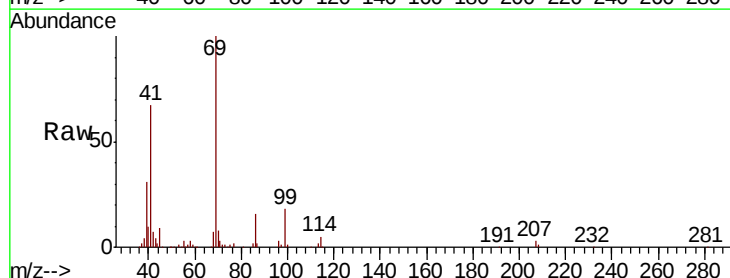
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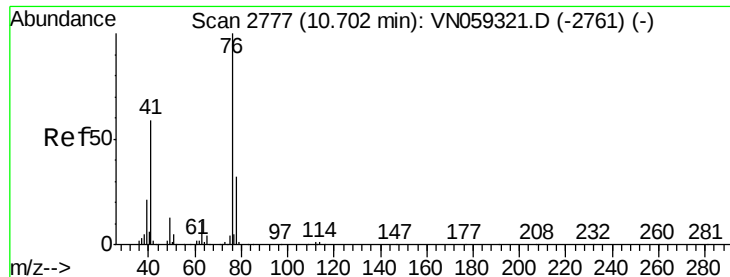
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#56
 Ethyl methacrylate
 Concen: 19.632 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion:	69	Resp:	122092
Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.6	80.4
39	31.5	26.2	39.4





#57

1,3-Dichloropropane

Concen: 19.802 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 142795

Ion Ratio Lower Upper

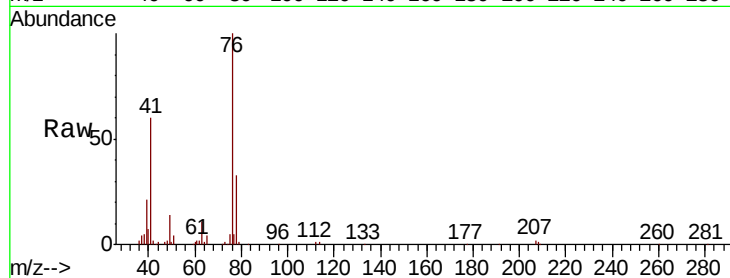
76 100

78 32.8 25.8 38.8

Manual Integrations
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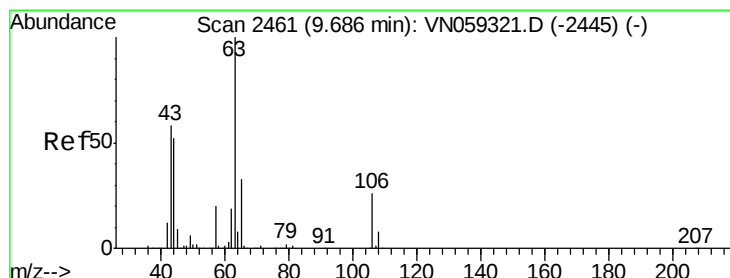
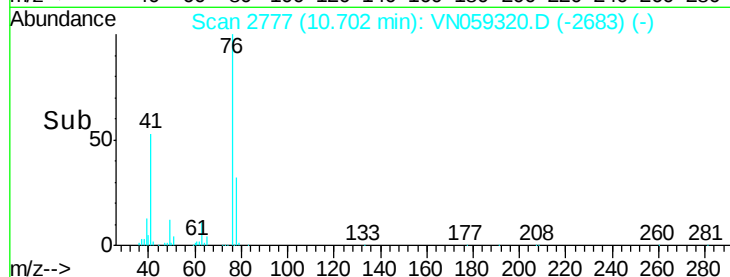
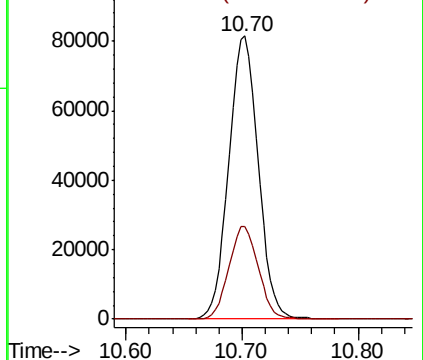
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 92.182 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059320.D

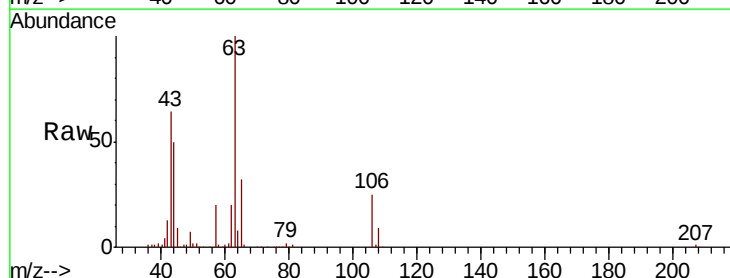
Acq: 20 Nov 2019 12:08

Tgt Ion: 63 Resp: 214943

Ion Ratio Lower Upper

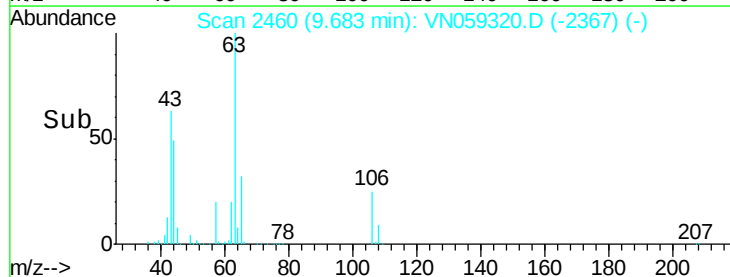
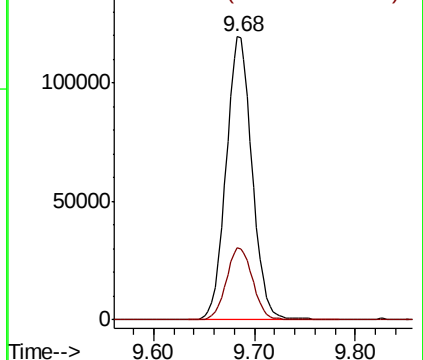
63 100

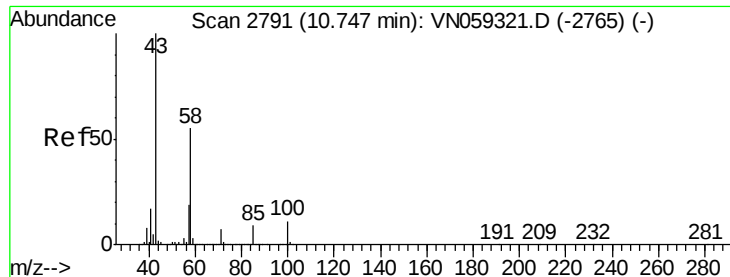
106 25.8 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





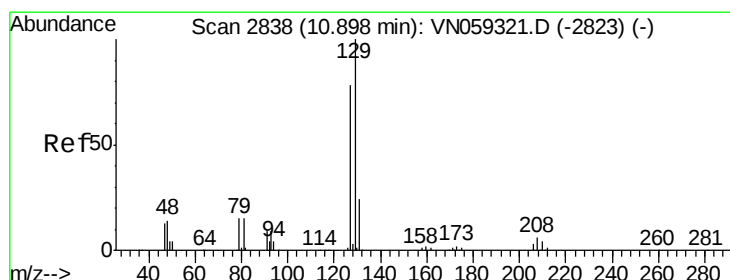
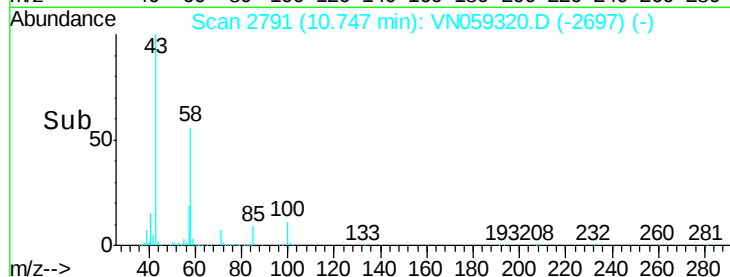
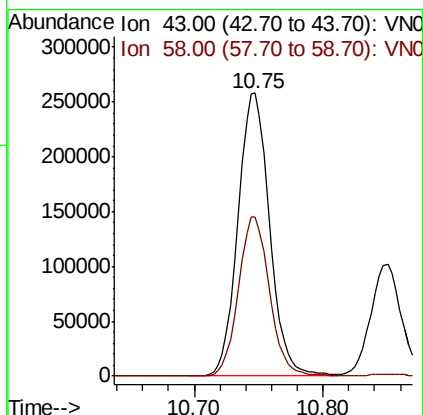
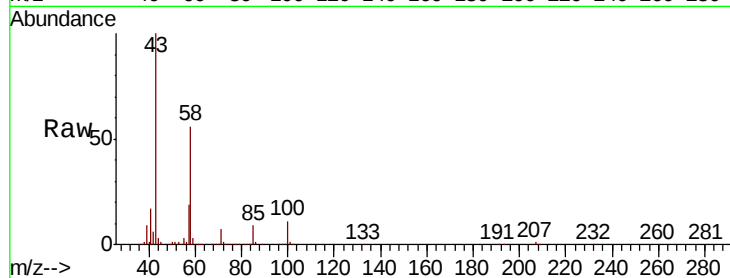
#59
2-Hexanone
Concen: 99.949 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 441574
Ion Ratio Lower Upper
43 100
58 55.4 27.3 81.8

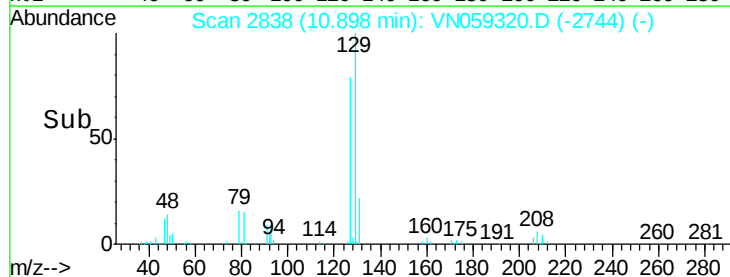
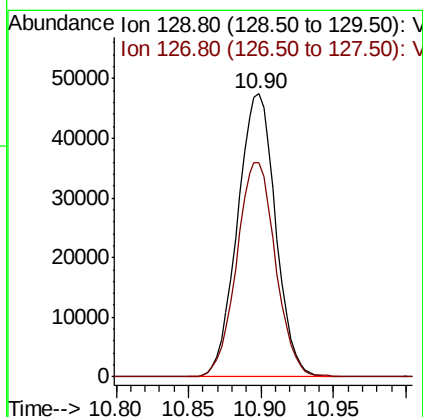
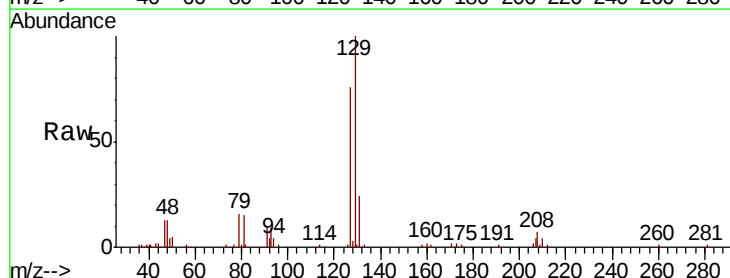
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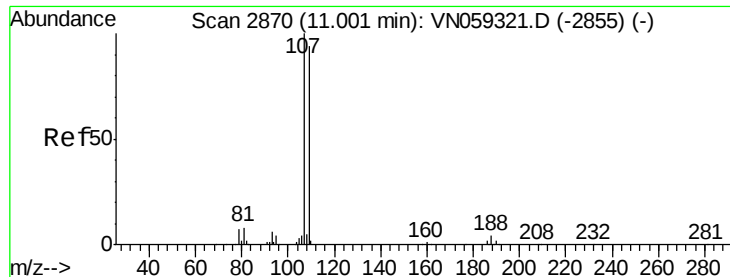
MMDadoda
11/21/2019 11:07:47 AM



#60
Dibromochloromethane
Concen: 19.551 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion: 129 Resp: 86608
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





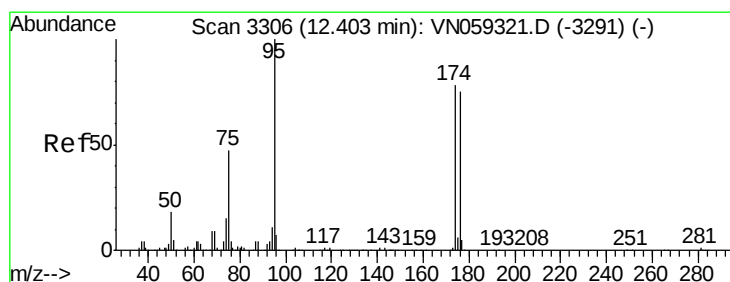
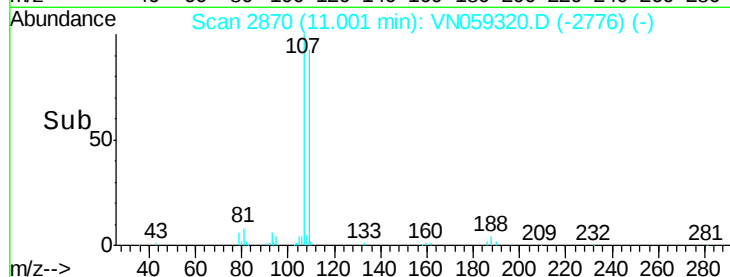
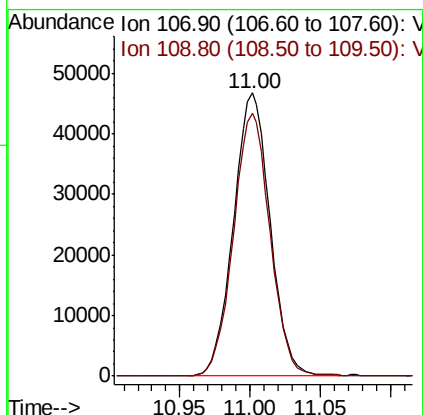
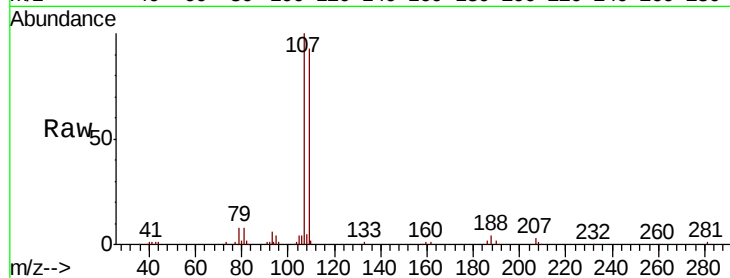
#61
 1,2-Dibromoethane
 Concen: 20.047 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.5	113.3

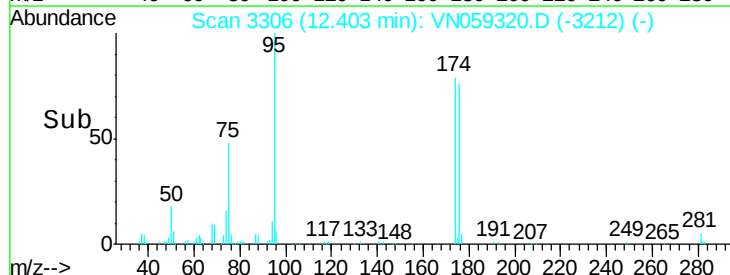
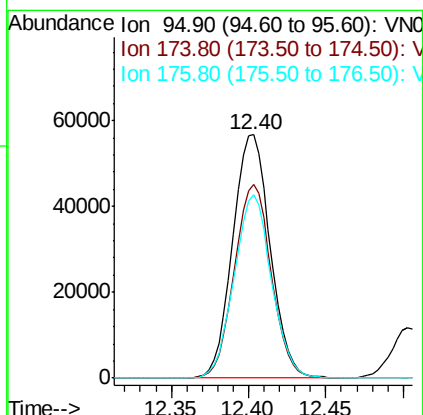
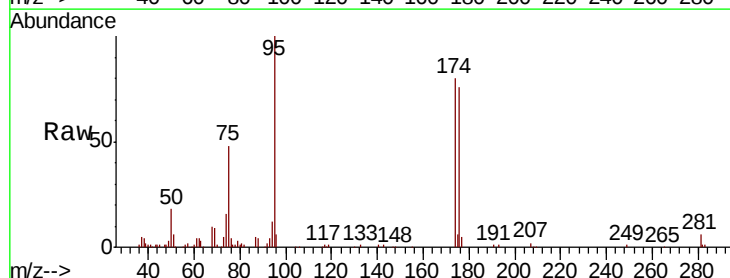
Manual Integrations
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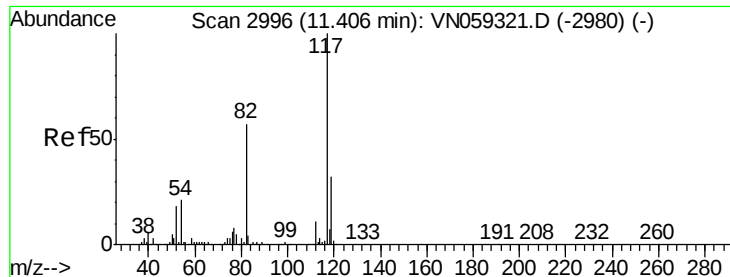
MMDadoda
 11/21/2019 11:07:47 AM



#62
 4-Bromofluorobenzene
 Concen: 18.358 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	158.2
176	75.0	0.0	151.8





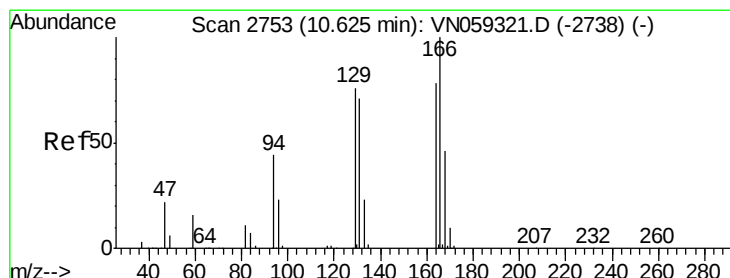
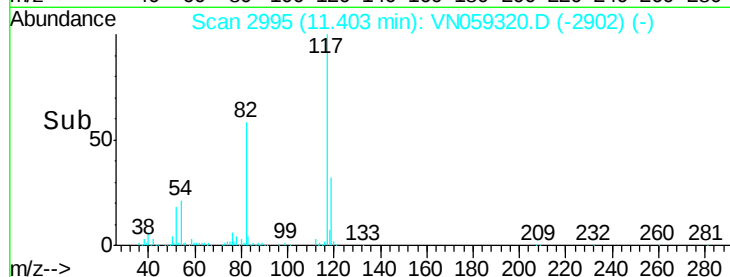
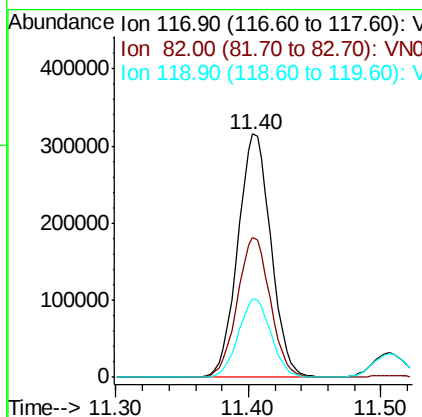
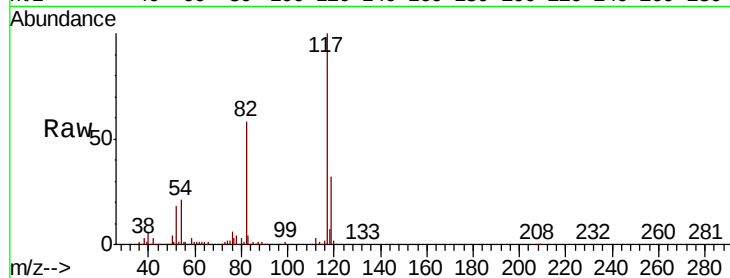
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.8	68.8
119	32.3	25.8	38.6

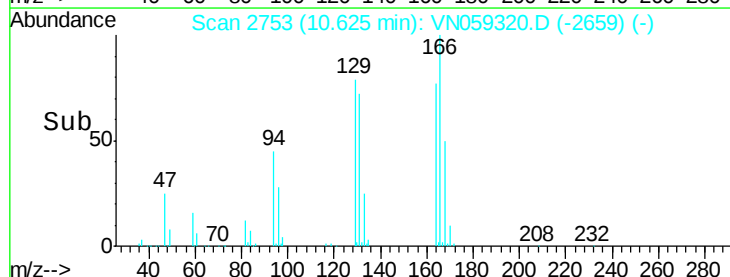
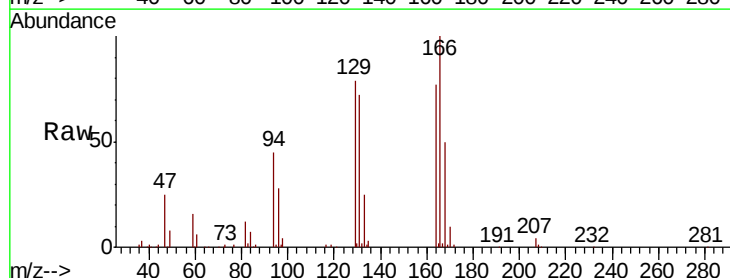
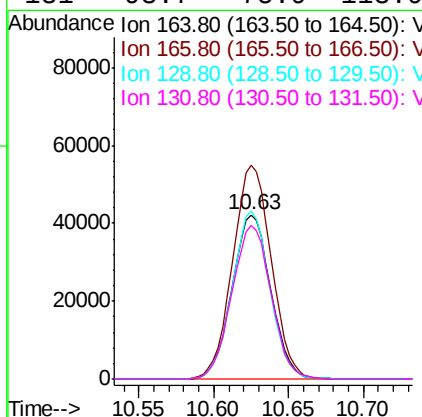
Manual Integrations
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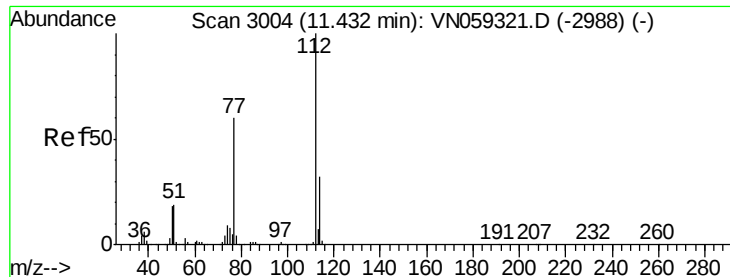
MMDadoda
11/21/2019 11:07:47 AM



#64
Tetrachloroethene
Concen: 20.412 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.5	152.3
129	102.3	78.3	117.5
131	93.7	75.9	113.9





#65

Chlorobenzene

Concen: 20.537 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 218590

Ion Ratio Lower Upper

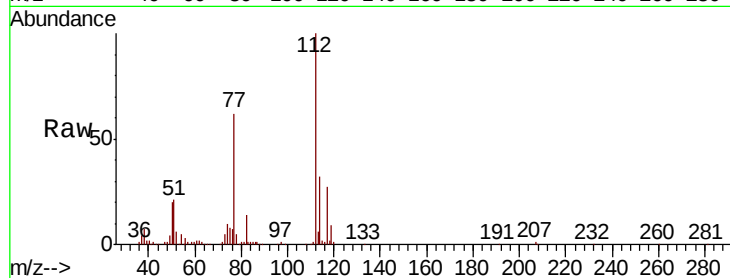
112 100

114 31.9 25.2 37.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

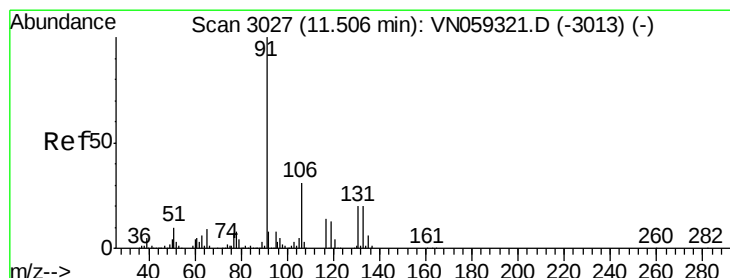
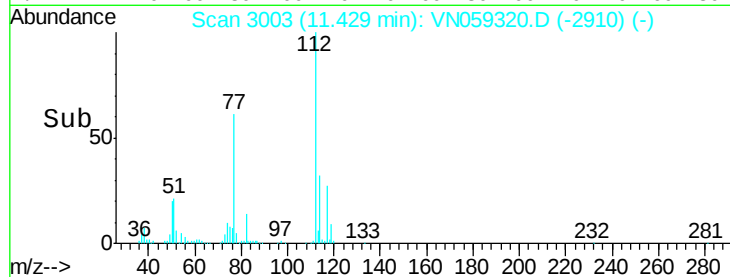
11.43

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.416 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

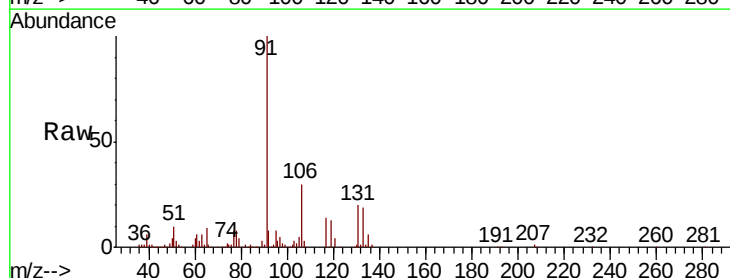
Tgt Ion:131 Resp: 81515

Ion Ratio Lower Upper

131 100

133 95.5 47.4 142.3

119 66.5 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

100000

80000

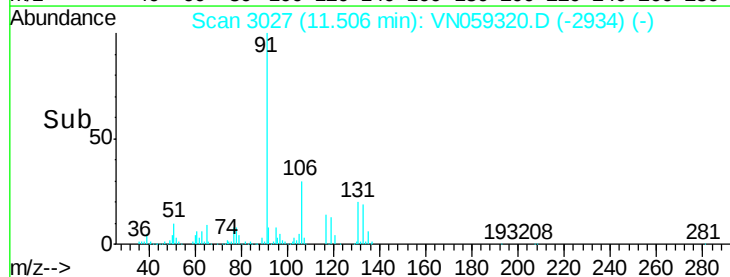
60000

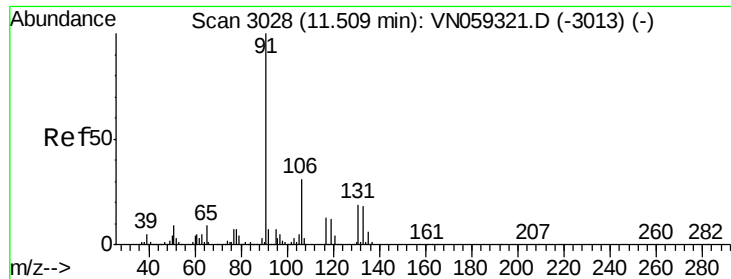
40000

20000

0

Time-->





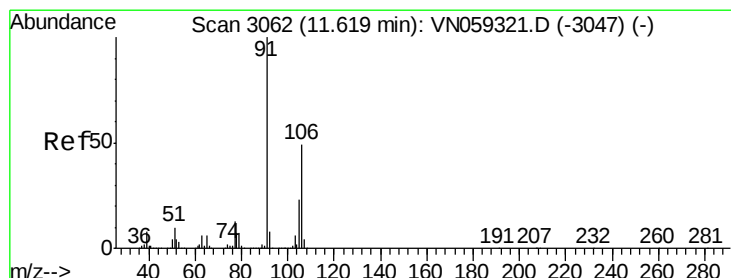
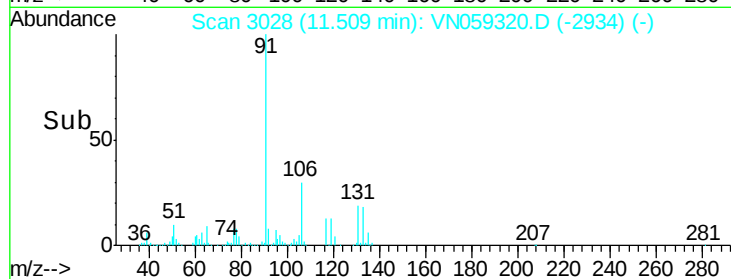
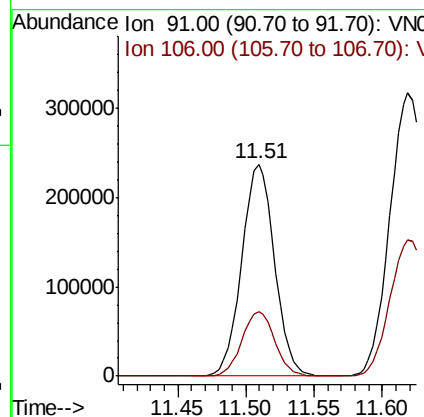
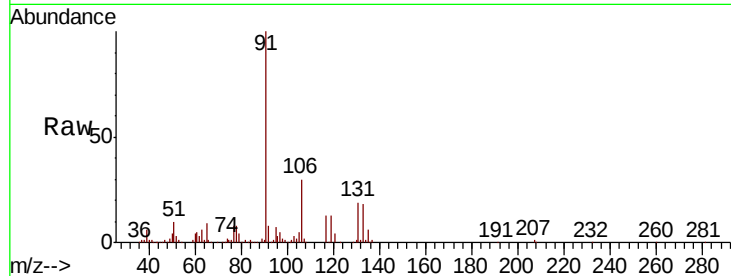
#67
Ethyl Benzene
Concen: 20.958 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 395793
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1

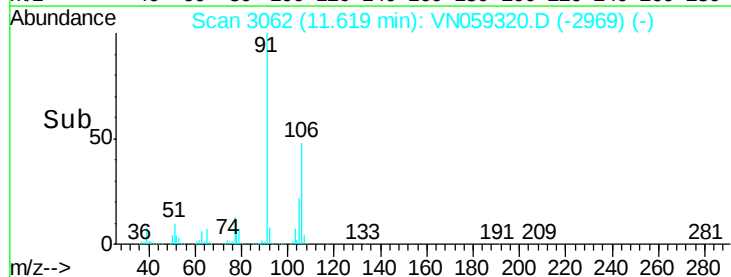
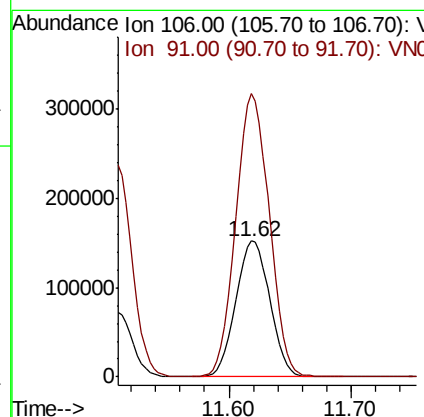
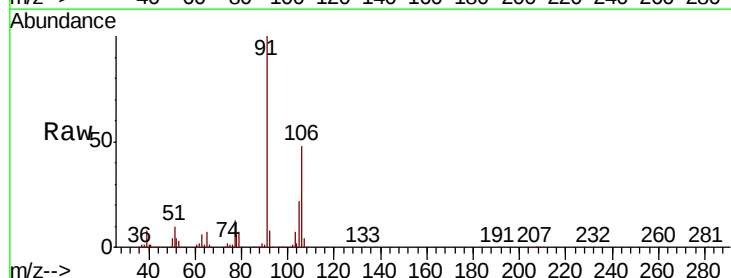
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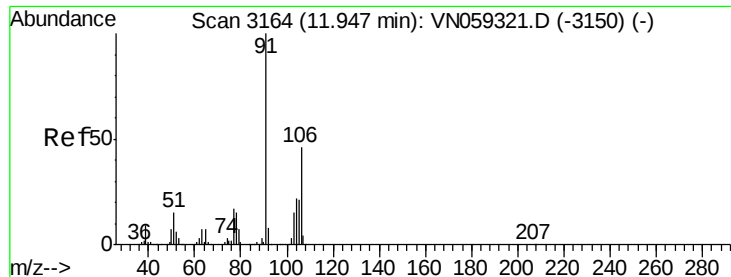
MMDadoda
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#68
m/p-Xylenes
Concen: 41.428 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion: 106 Resp: 293060
Ion Ratio Lower Upper
106 100
91 206.2 164.7 247.1





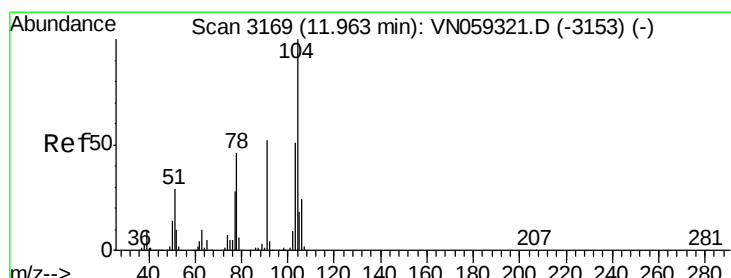
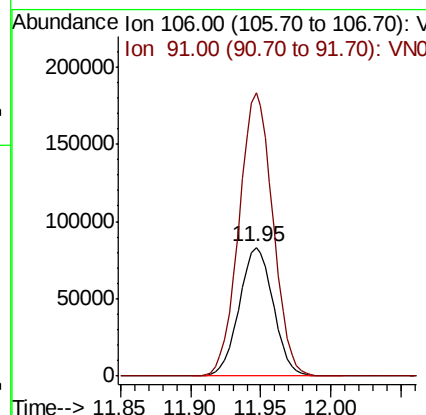
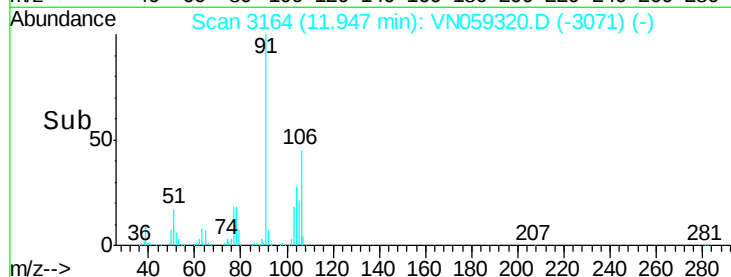
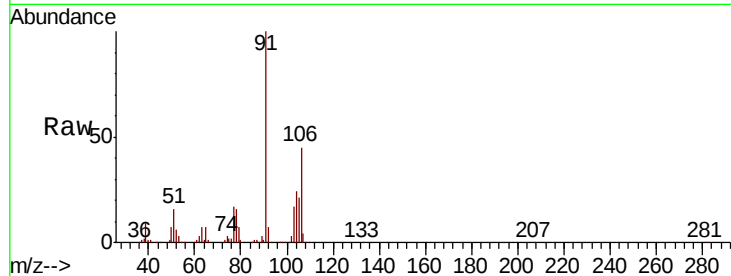
#69
o-Xylene
Concen: 20.586 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	219.2	110.1	330.3	

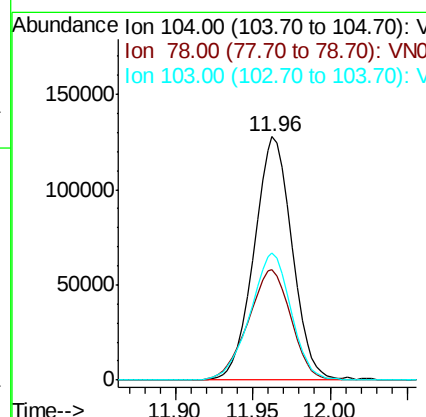
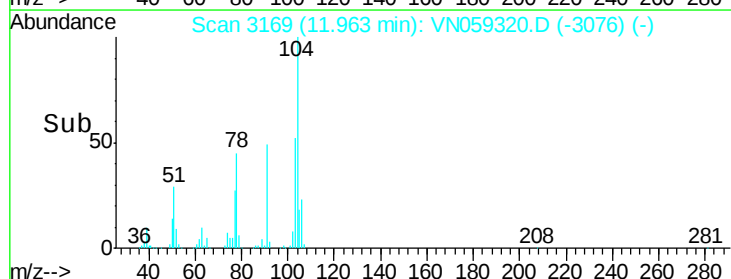
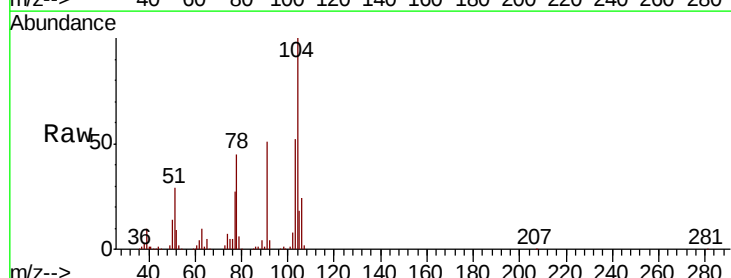
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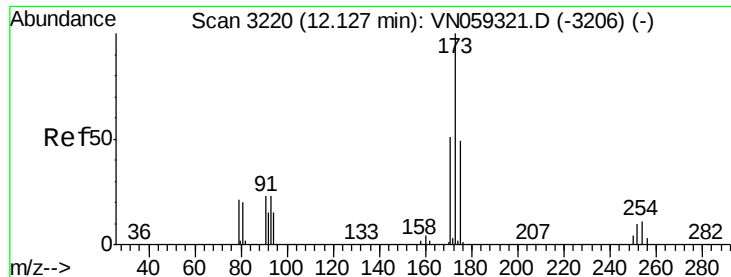
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#70
Styrene
Concen: 20.380 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	51.4	41.2	61.8	
103	56.3	43.8	65.6	





#71

Bromoform

Concen: 19.536 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

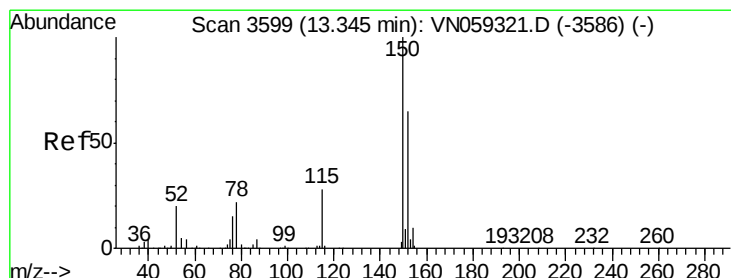
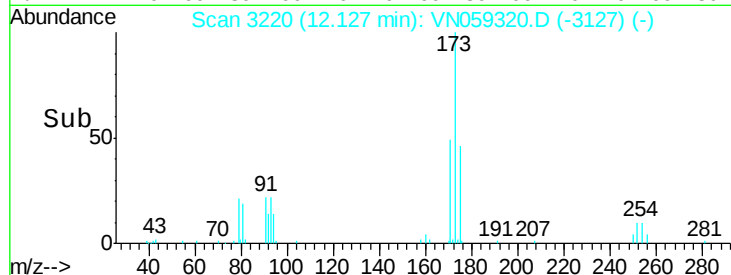
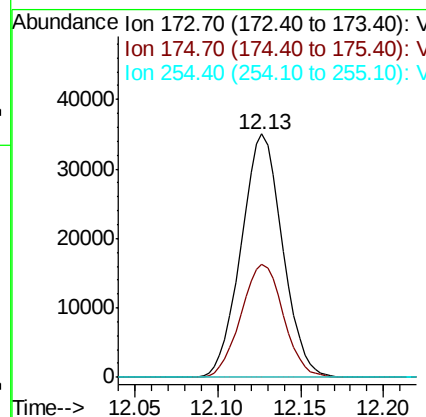
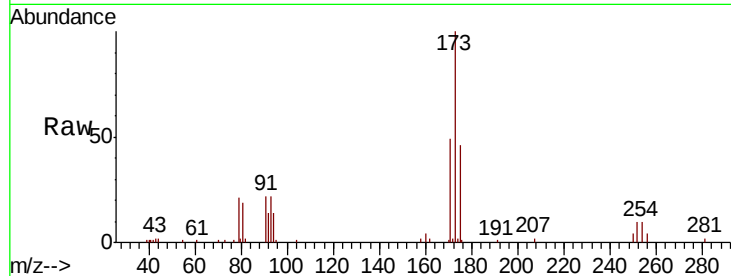
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.2	72.6
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

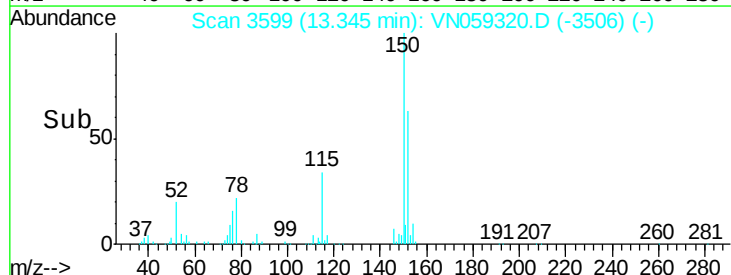
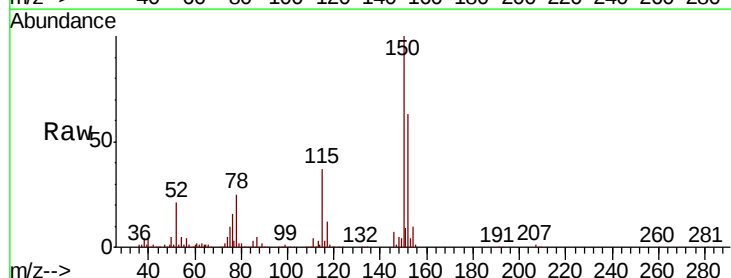
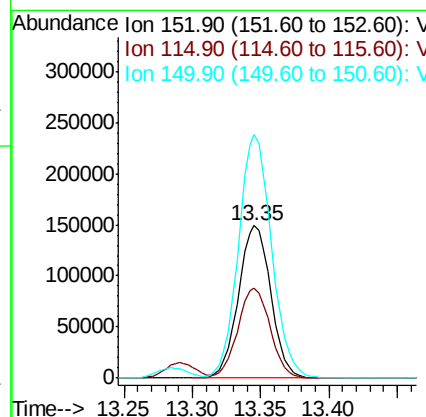
RT: 13.35 min Scan# 3599

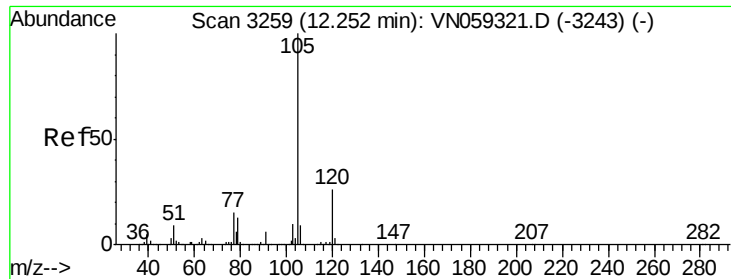
Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.4	88.2
150	163.8	0.0	345.8





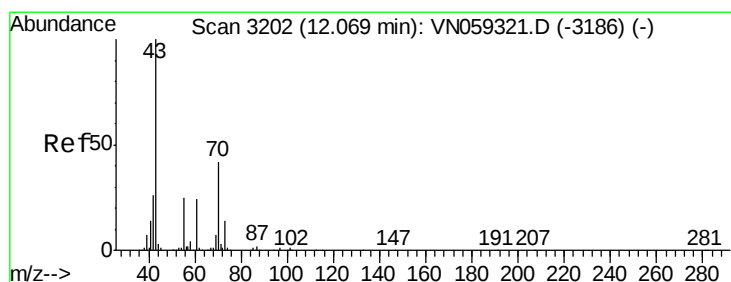
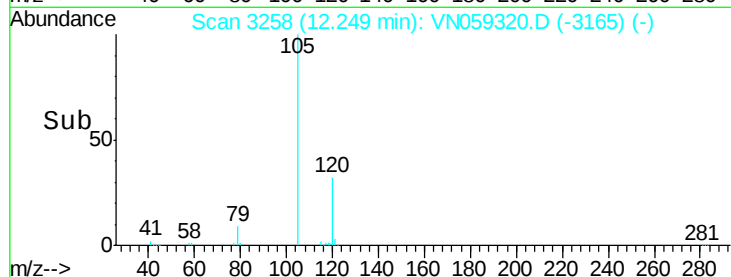
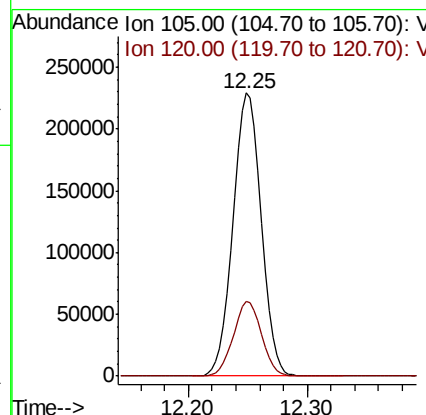
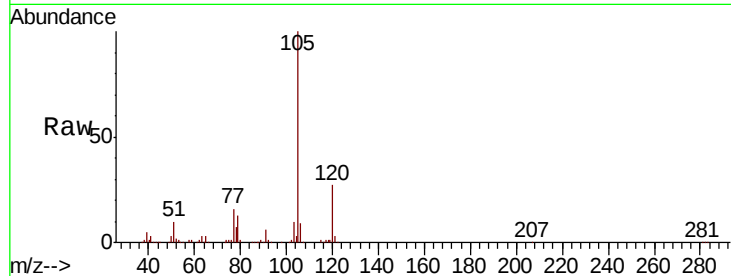
#73
Isopropylbenzene
Concen: 20.998 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3

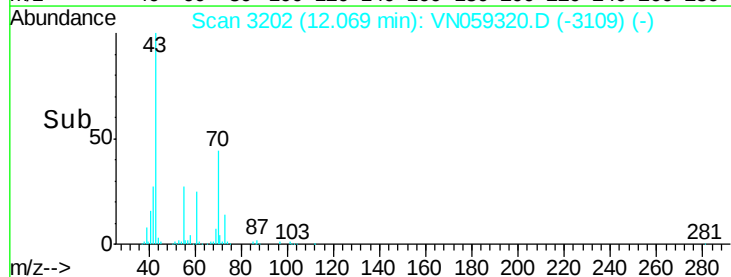
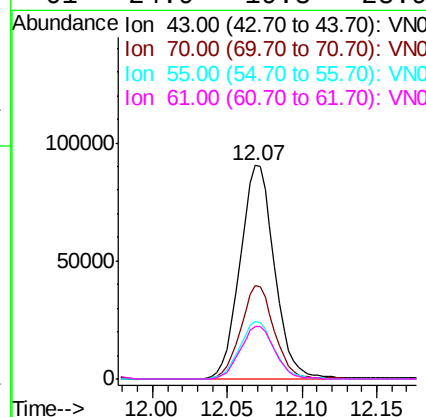
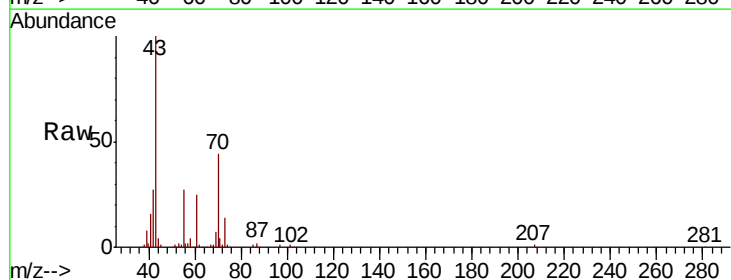
Manual Integrations
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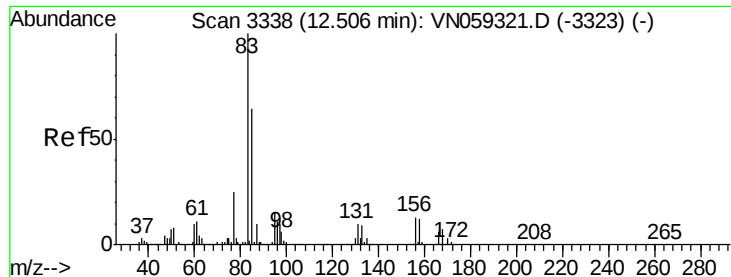
MMDadoda
11/21/2019 11:07:47 AM



#74
N-ethyl acetate
Concen: 19.016 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.9	32.2	48.4
55	27.4	20.4	30.6
61	24.9	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.484 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

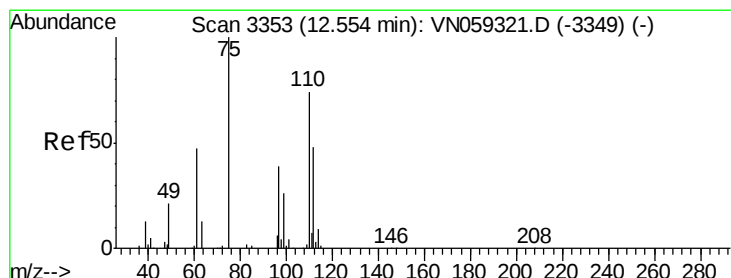
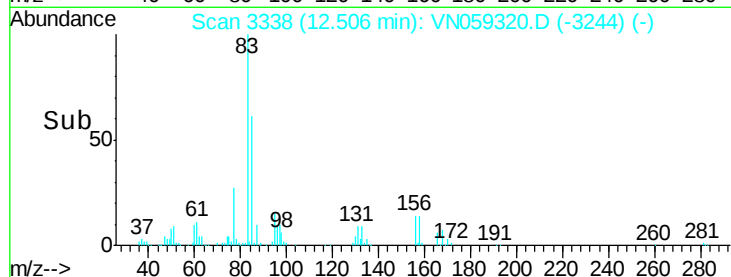
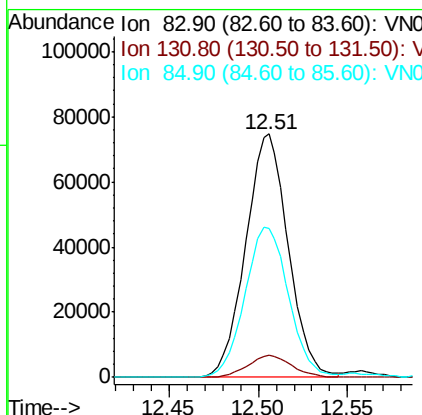
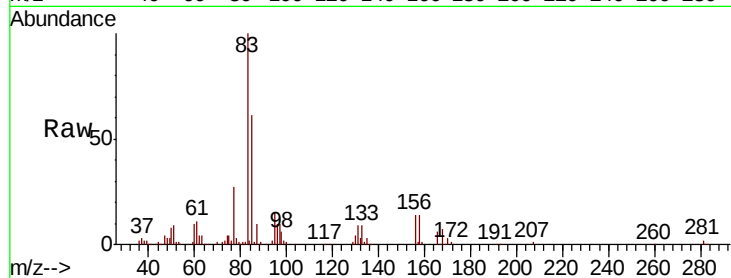
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	124850
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.6
85	63.0	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 18.652 ug/l m

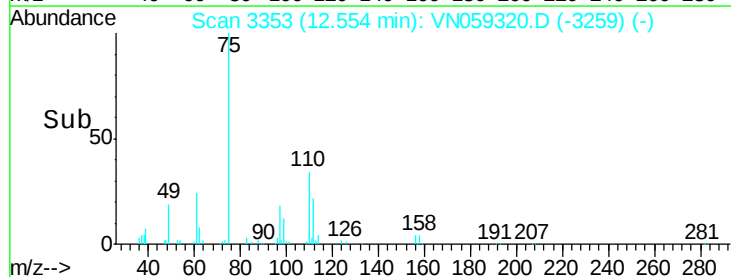
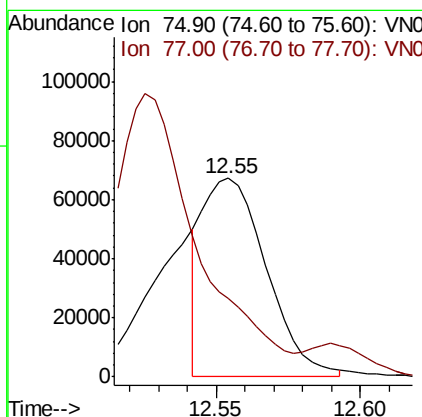
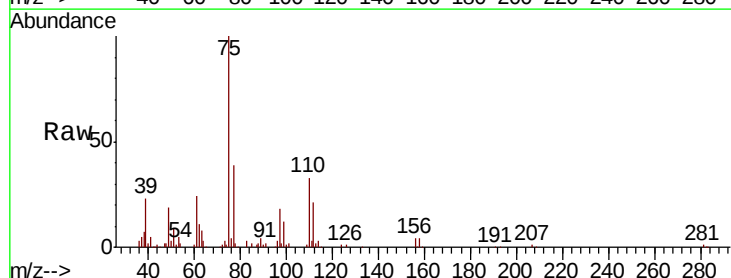
RT: 12.55 min Scan# 3353

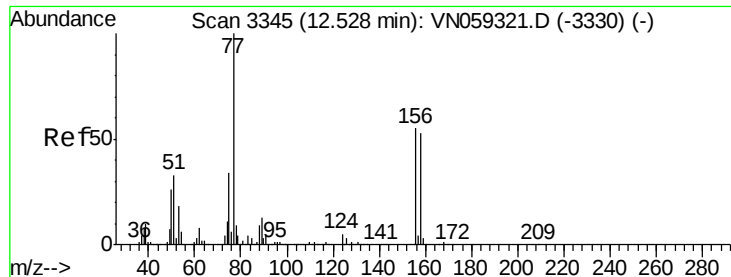
Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion:	75	Resp:	104484
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.957 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 89742

Ion Ratio Lower Upper

156 100

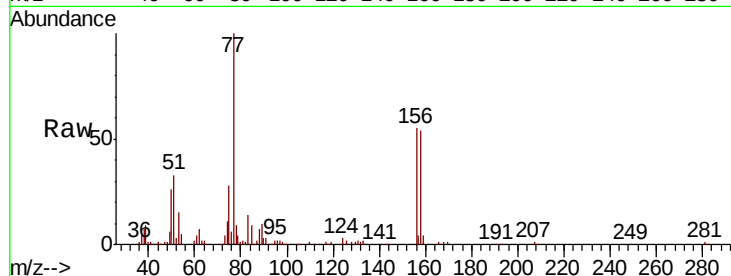
77 223.7 112.8 338.3

158 97.8 48.4 145.3

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V

120000

100000

80000

60000

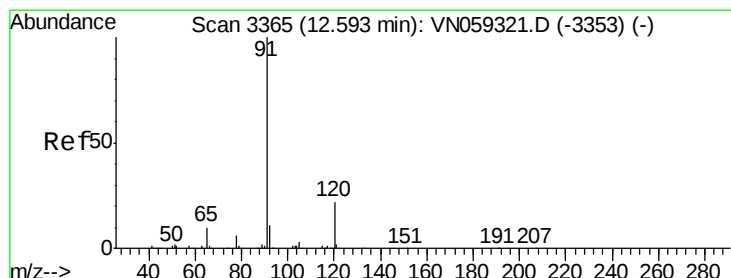
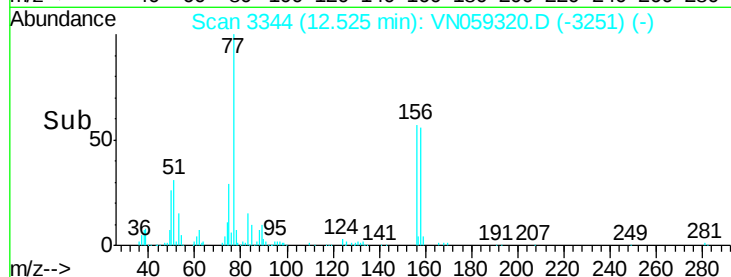
40000

20000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 21.219 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059320.D

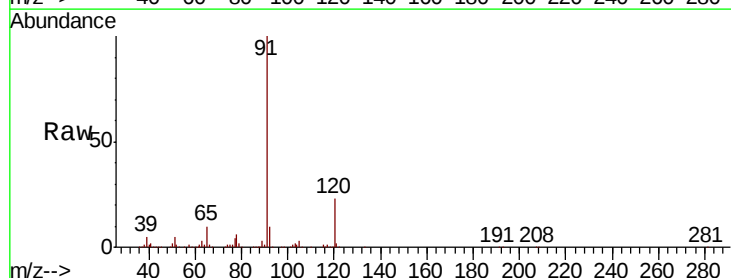
Acq: 20 Nov 2019 12:08

Tgt Ion: 91 Resp: 434831

Ion Ratio Lower Upper

91 100

120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

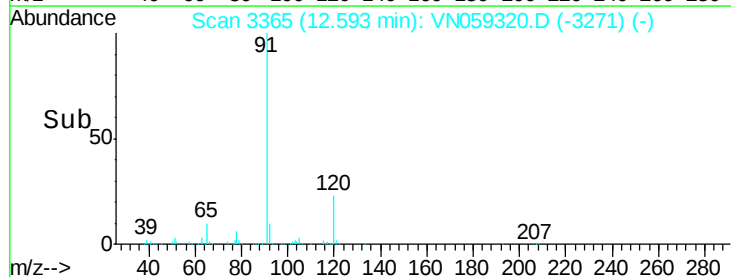
100000

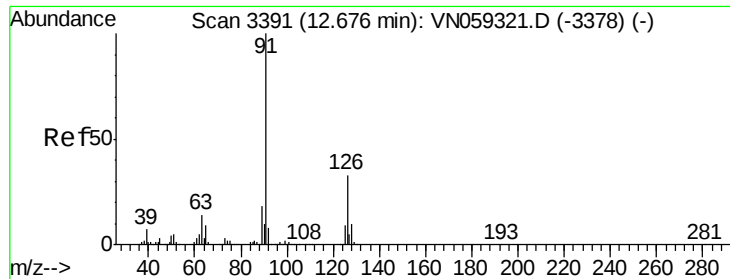
50000

0

12.55 12.60 12.65

Time-->





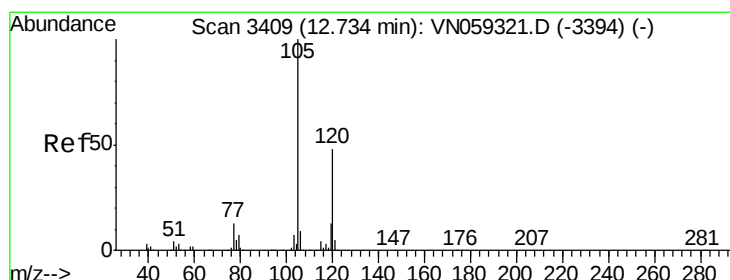
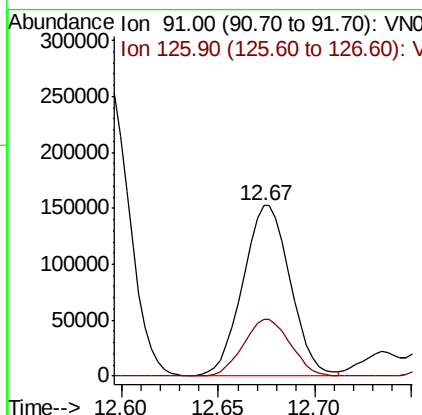
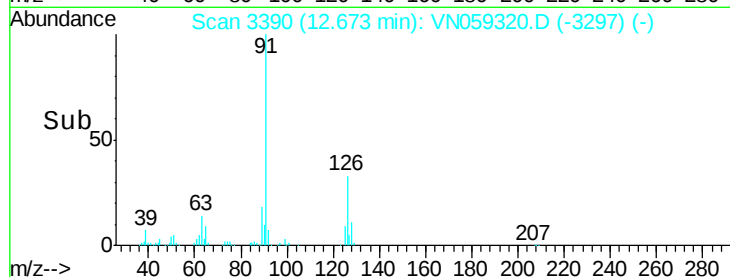
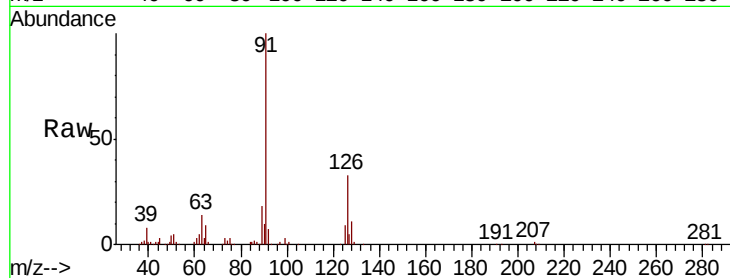
#79
 2-Chlorotoluene
 Concen: 20.308 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 258173
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.7 50.1

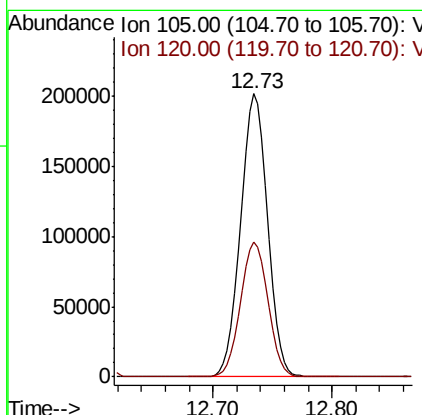
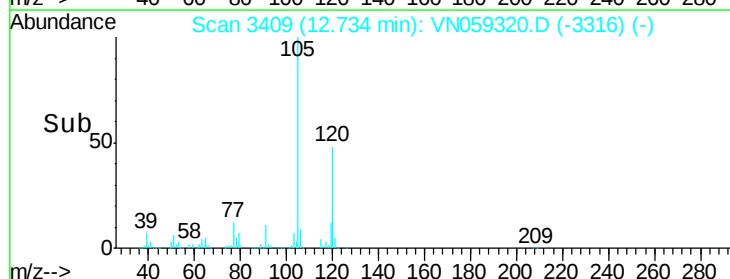
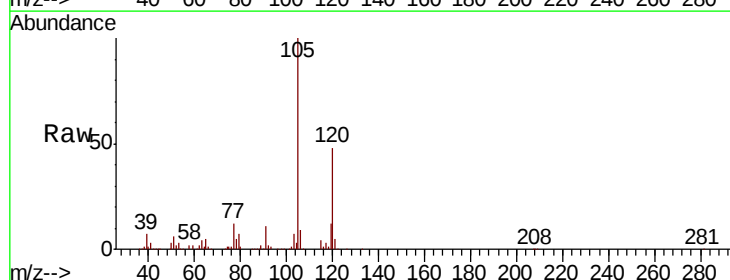
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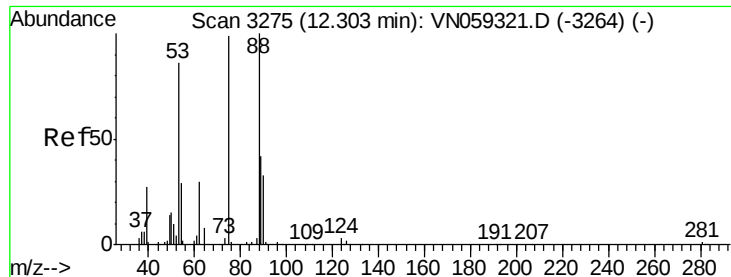
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.901 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion: 105 Resp: 316985
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.466 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

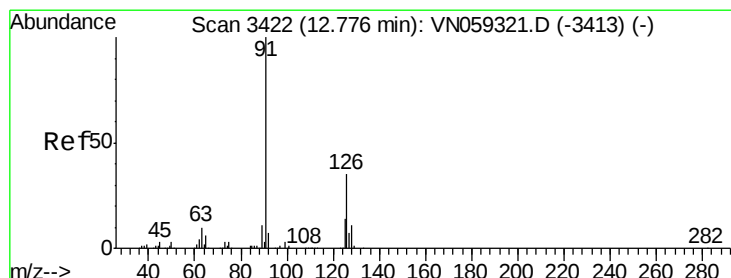
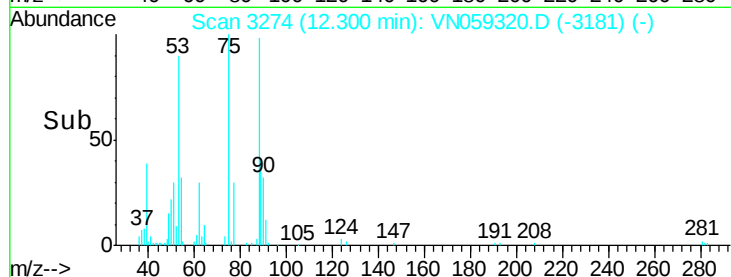
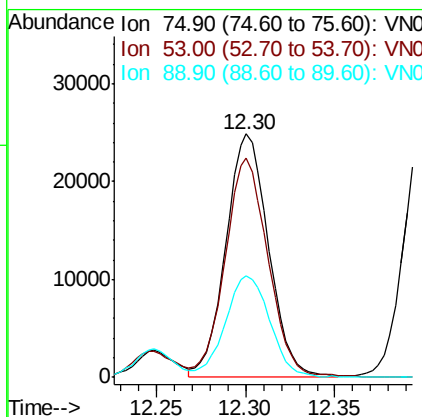
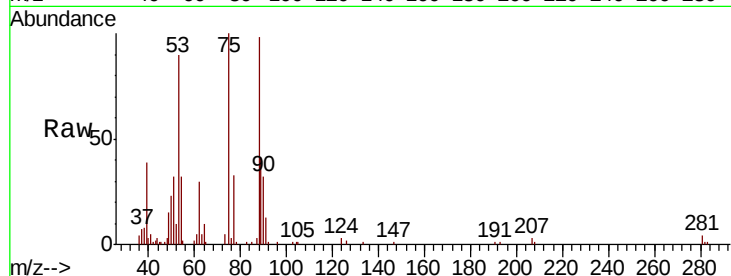
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	41285
Ion	Ratio	Lower	Upper
75	100		
53	91.0	72.2	108.2
89	43.6	35.8	53.8

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#82

4-Chlorotoluene

Concen: 20.464 ug/l

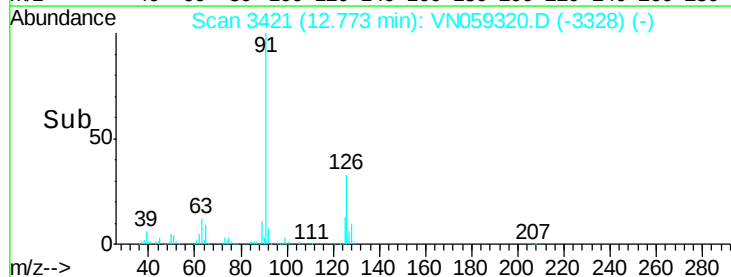
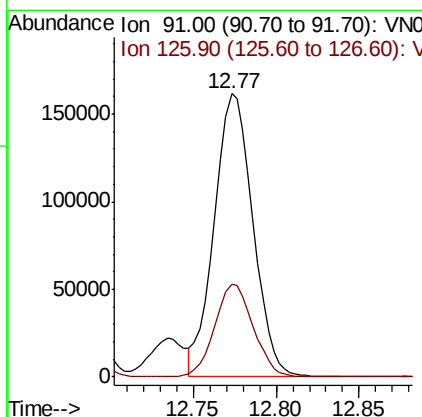
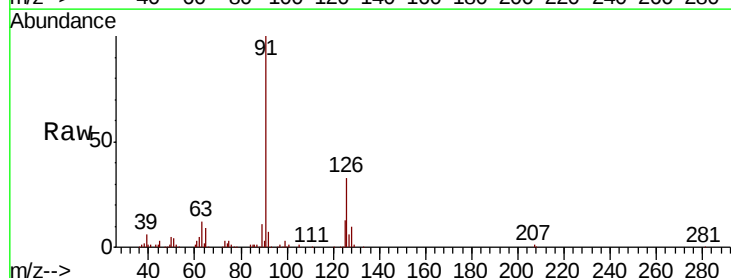
RT: 12.77 min Scan# 3421

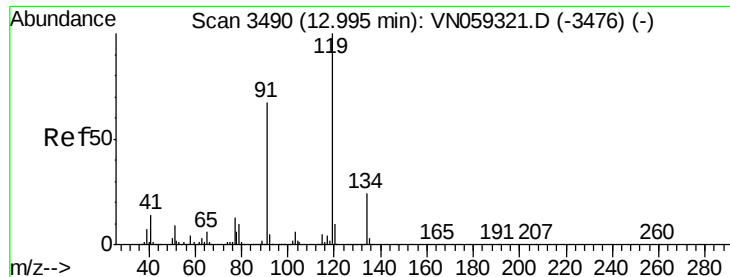
Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion:	91	Resp:	260932
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.2





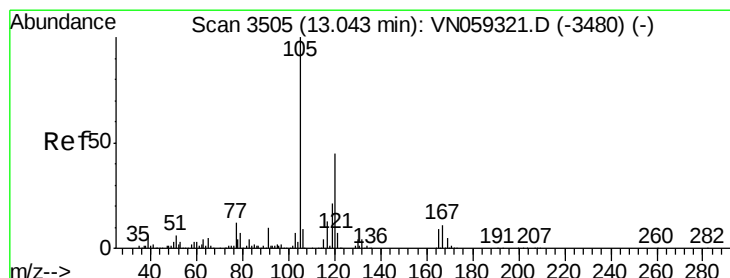
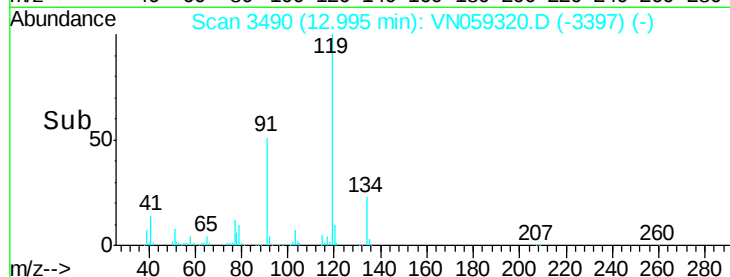
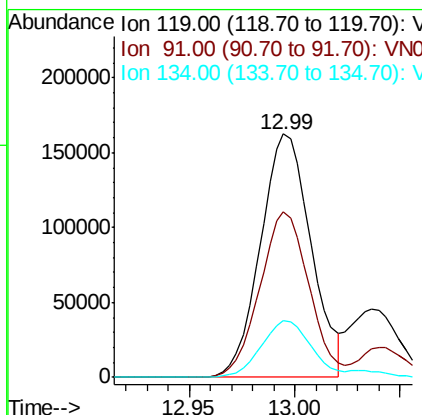
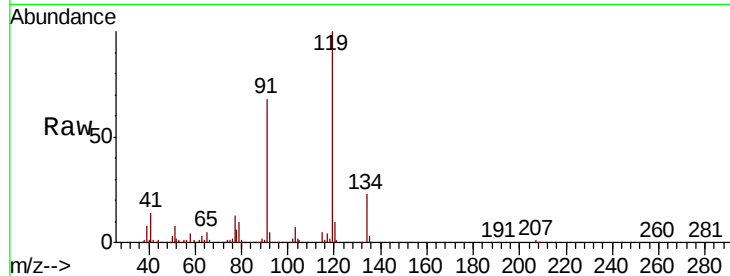
#83
tert-Butylbenzene
Concen: 20.714 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.2	99.6
134	23.1	12.7	38.1

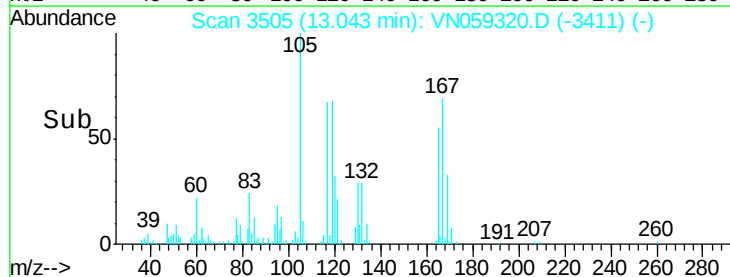
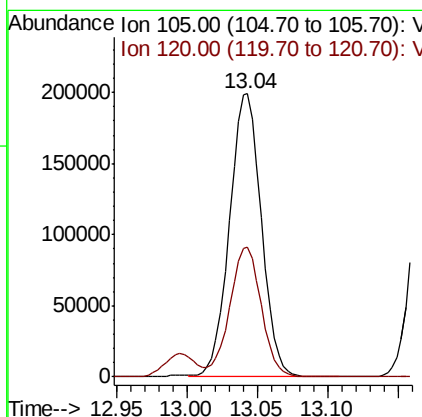
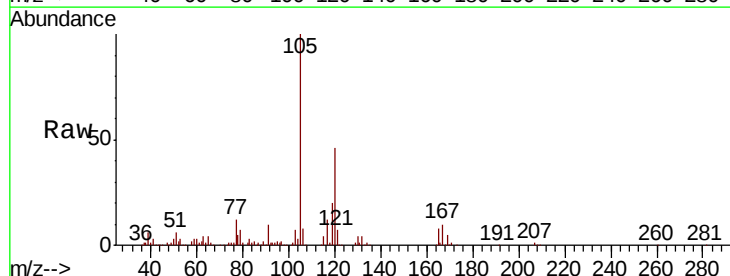
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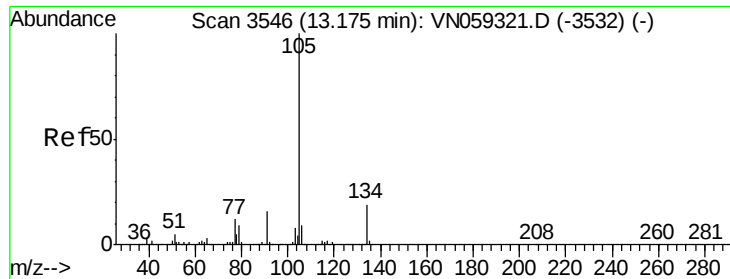
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#84
1,2,4-Trimethylbenzene
Concen: 21.348 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.8	68.4





#85

sec-Butylbenzene

Concen: 21.242 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 361816

Ion Ratio Lower Upper

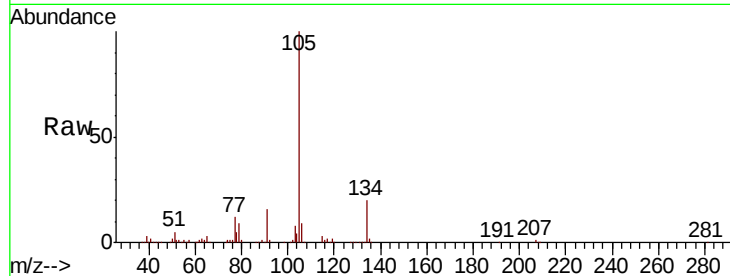
105 100

134 19.6 9.7 29.1

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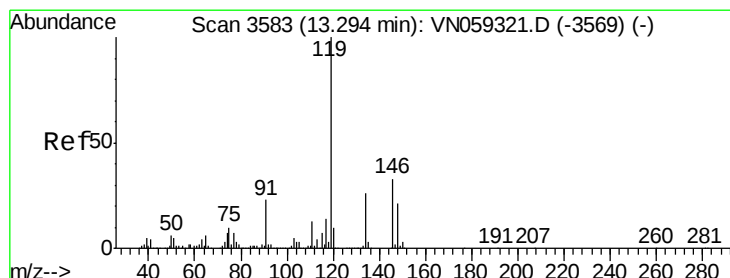
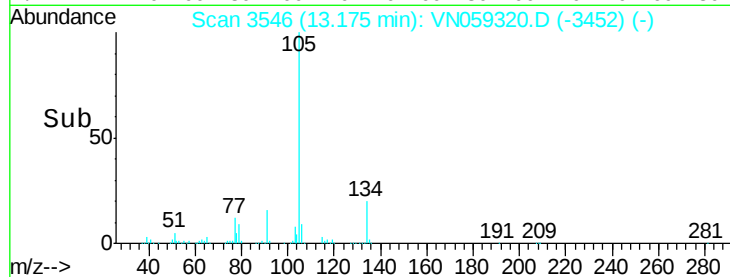
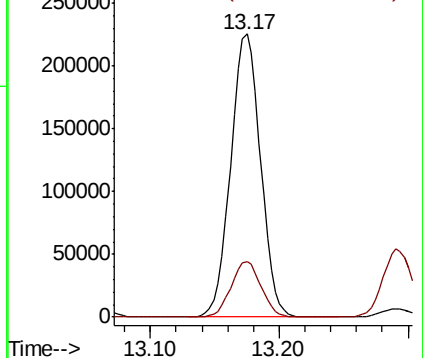
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.457 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

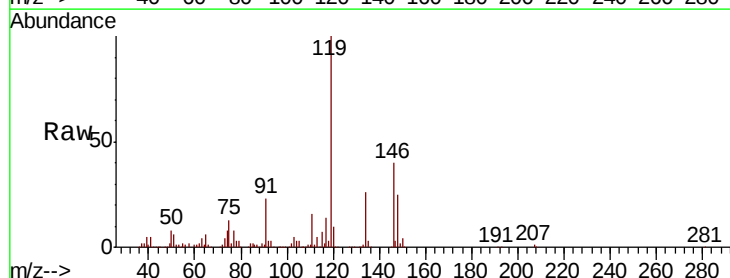
Tgt Ion:119 Resp: 322699

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

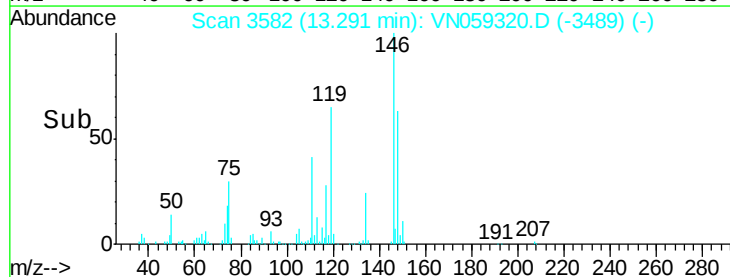
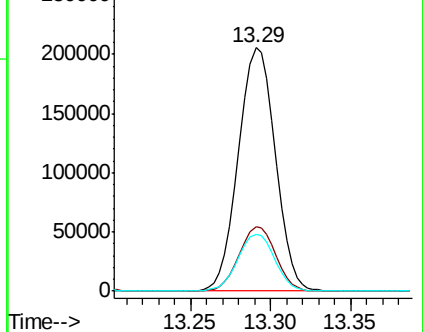
91 23.4 11.7 35.1

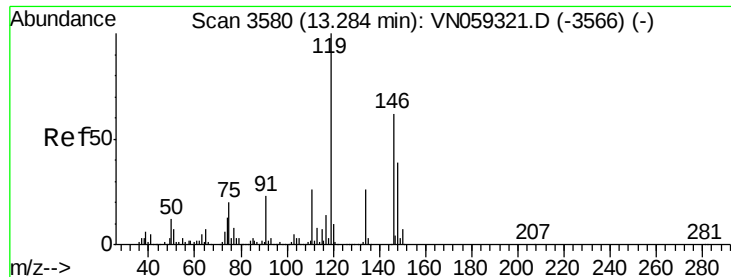


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.282 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059320.D

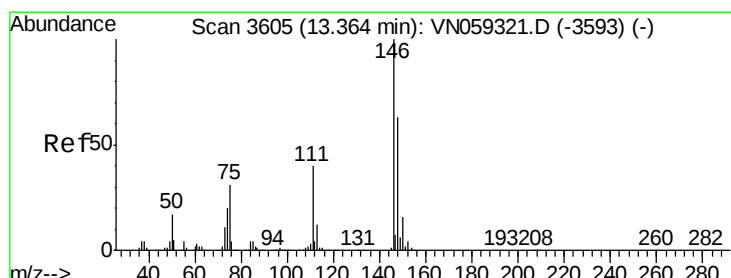
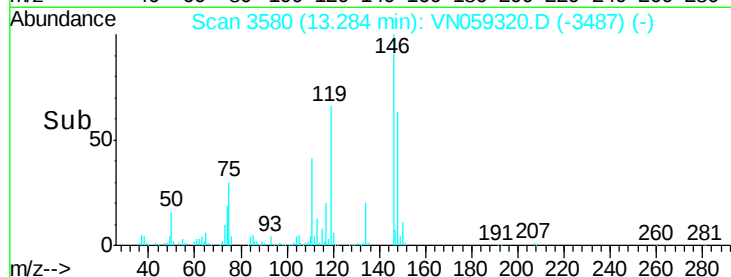
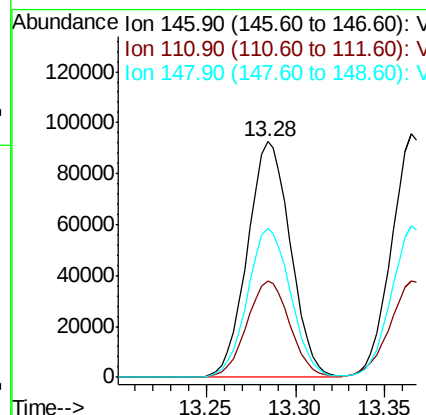
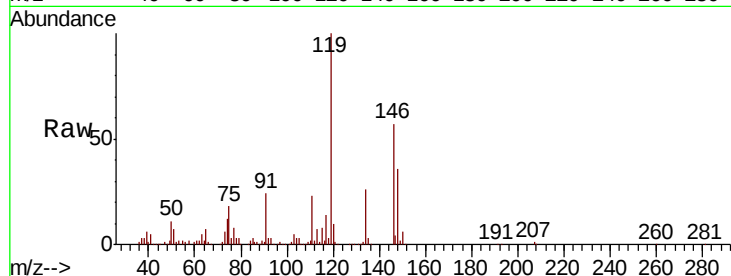
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	156177		
111	40.9	20.4	61.3	
148	63.5	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 20.004 ug/l

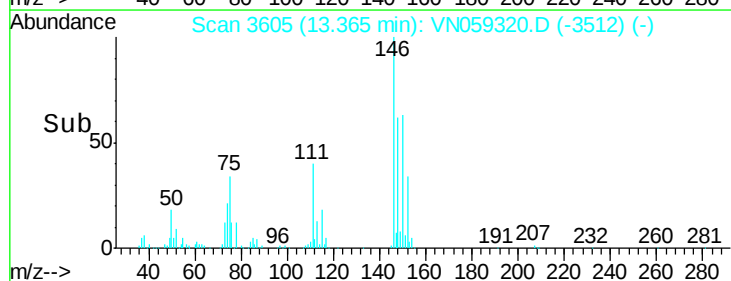
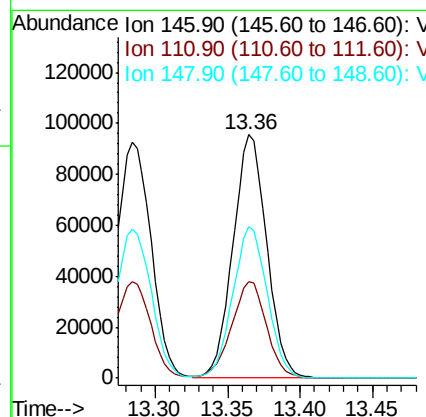
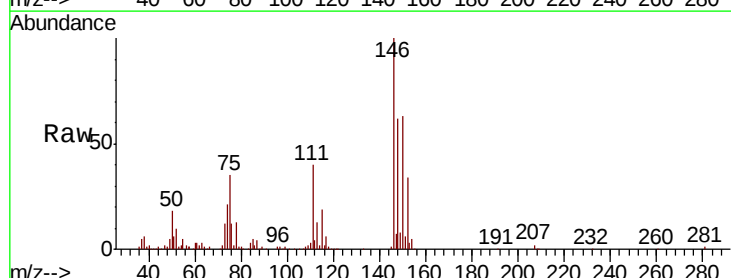
RT: 13.36 min Scan# 3605

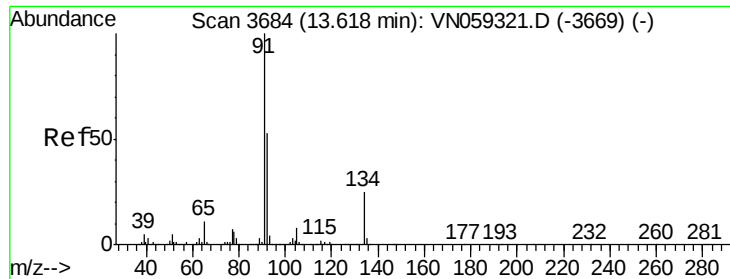
Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	154116		
111	40.8	20.3	60.9	
148	63.9	31.9	95.7	





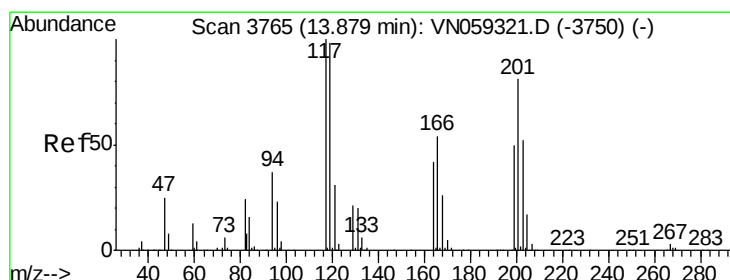
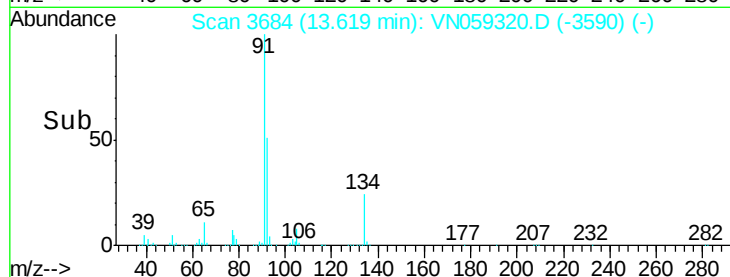
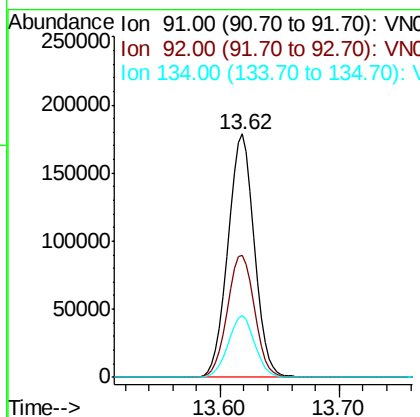
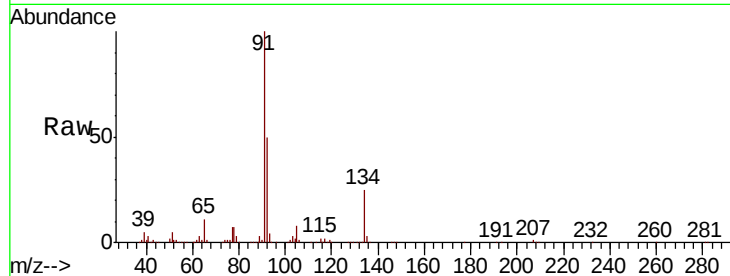
#89
n-Butylbenzene
Concen: 20.860 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.3
134	25.4	12.6	37.8

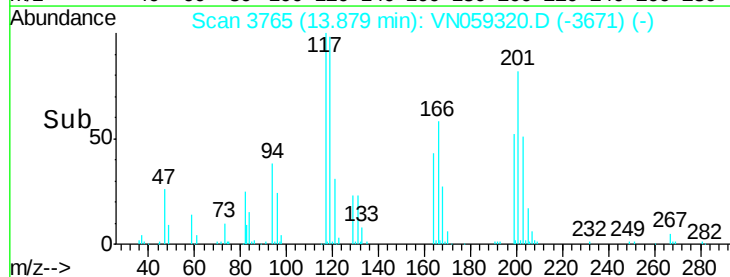
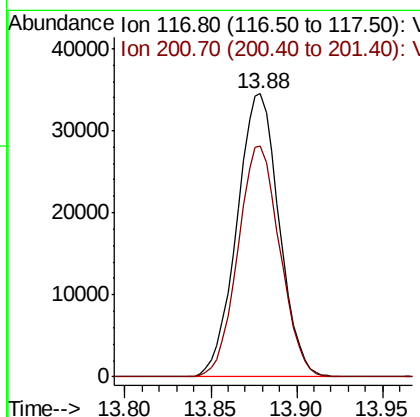
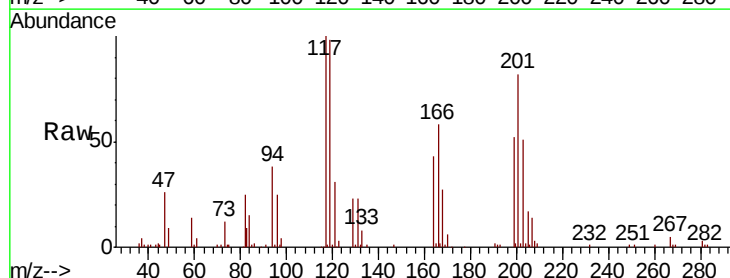
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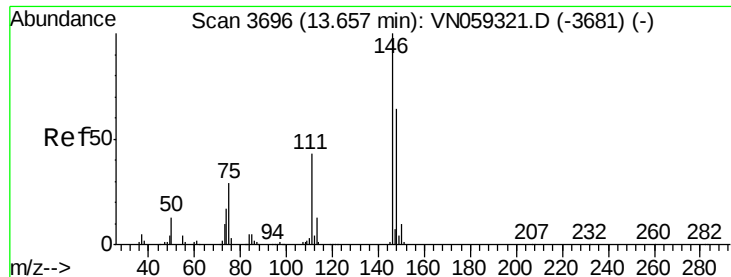
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#90
Hexachloroethane
Concen: 19.507 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.0	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 20.313 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

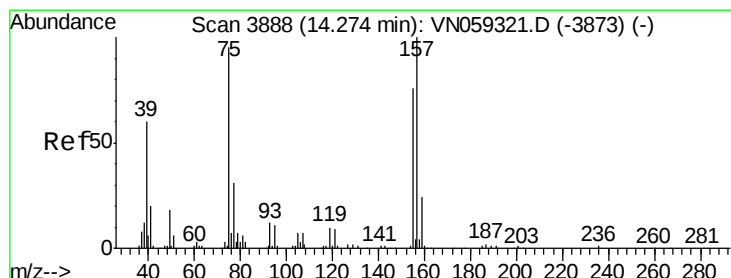
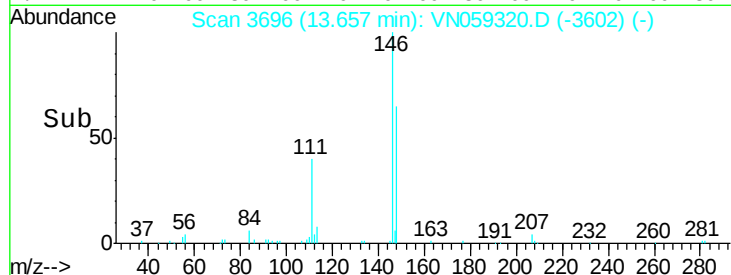
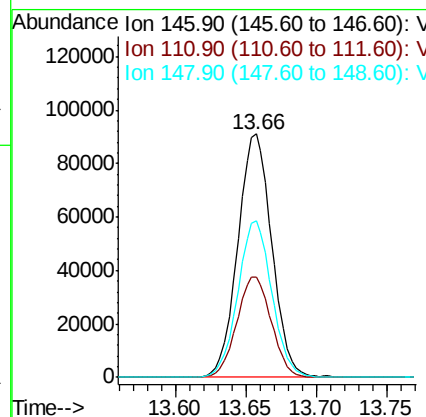
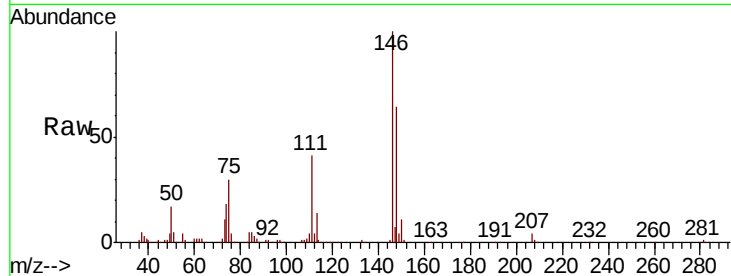
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	153867
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.2	63.6
148	64.1	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.043 ug/l

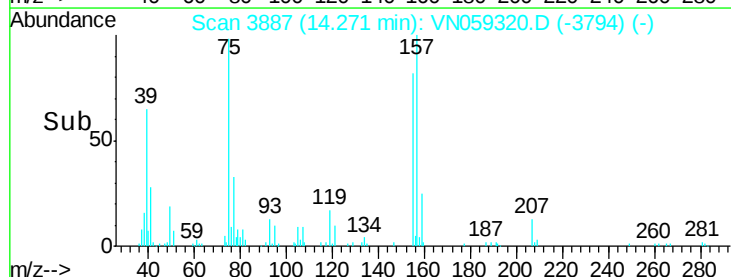
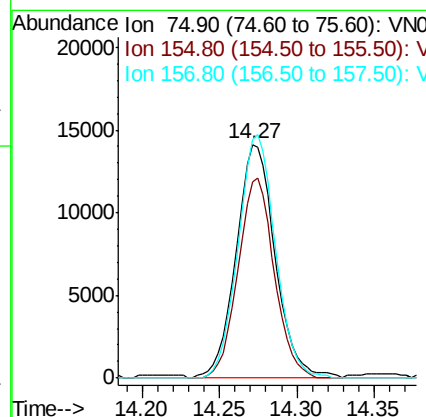
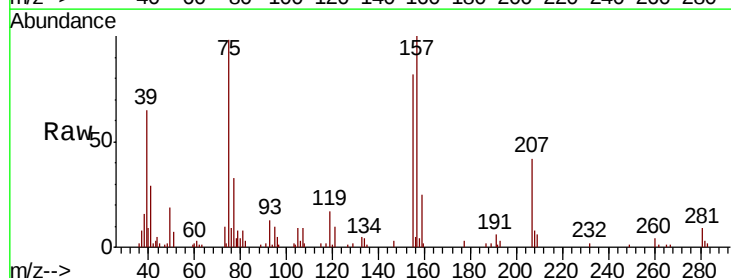
RT: 14.27 min Scan# 3887

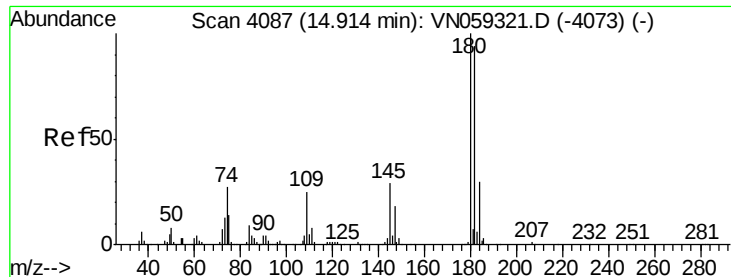
Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion:	75	Resp:	24820
Ion Ratio	Lower	Upper	
75	100		
155	79.1	40.2	120.6
157	99.5	51.8	155.5





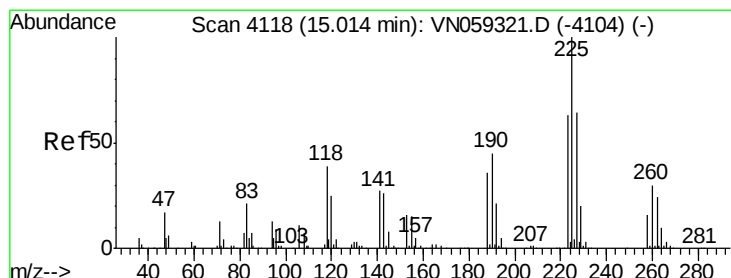
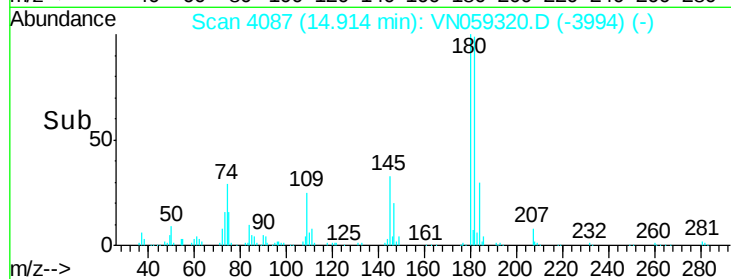
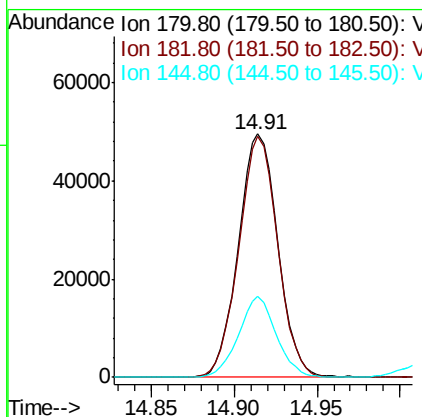
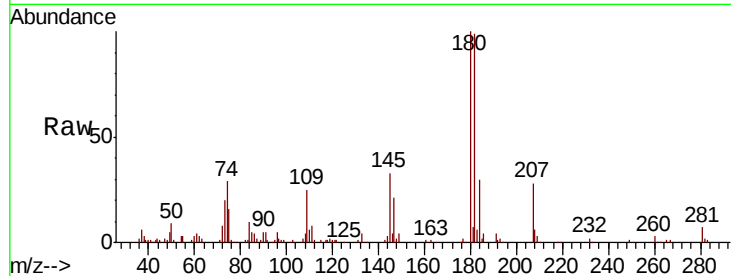
#93
 1,2,4-Trichlorobenzene
 Concen: 20.181 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	81890		
182	97.5	48.1	144.3	
145	31.5	15.1	45.3	

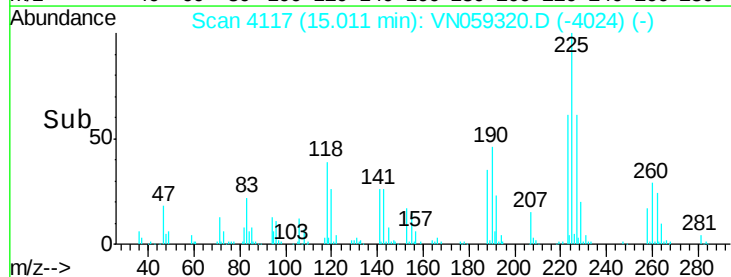
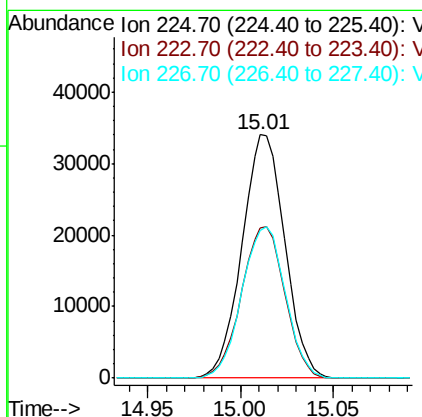
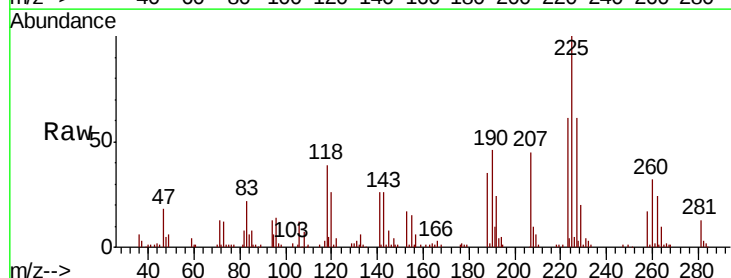
Manual Integrations
 APPROVED

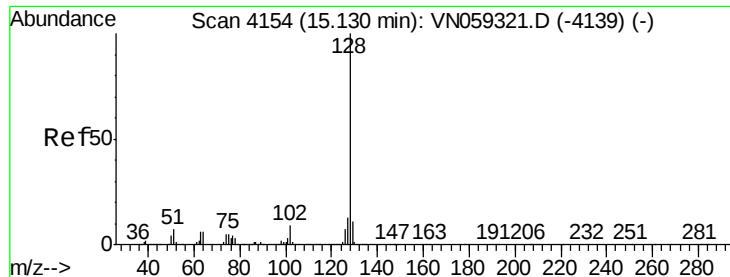
MMDadoda
 11/21/2019 11:07:47 AM



#94
 Hexachlorobutadiene
 Concen: 20.876 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54525		
223	62.9	31.3	93.9	
227	62.9	31.5	94.5	





#95

Naphthalene

Concen: 19.684 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

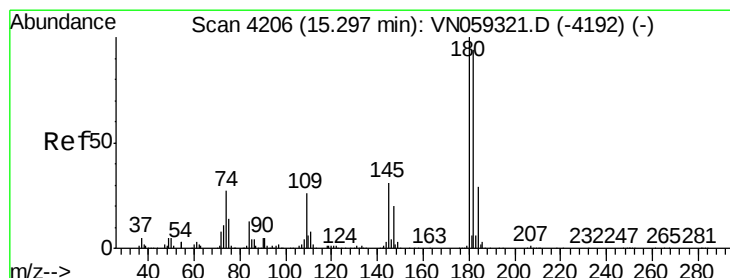
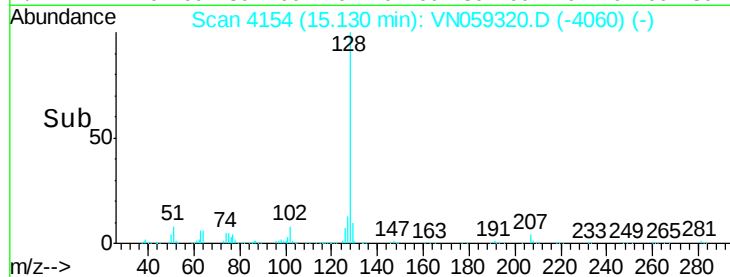
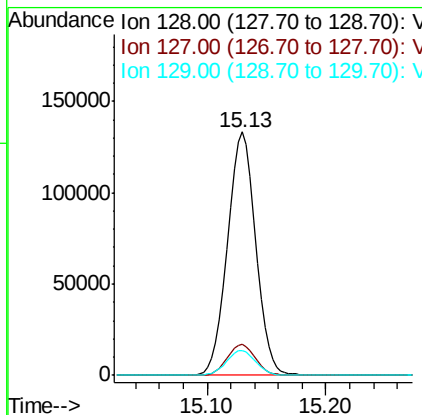
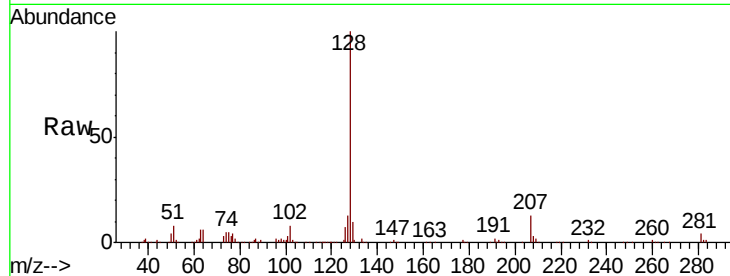
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	219371
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/21/2019 11:07:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.724 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion:	180	Resp:	83728
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.3	141.8
145	32.3	15.8	47.3

