

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059318.D
 Acq On : 20 Nov 2019 11:25
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:07:32 AM

Quant Time: Nov 21 06:19:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 06:09:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	363817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	579880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	495648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194306	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	3828	0.822	ug/l	99
3) Chloromethane	2.04	50	5067	0.888	ug/l	94
4) Vinyl Chloride	2.17	62	5168	0.880	ug/l	90
6) Chloroethane	2.69	64	3435	1.071	ug/l	94
7) Trichlorofluoromethane	3.00	101	5350	0.846	ug/l	86
8) Diethyl Ether	3.38	74	2218m	0.858	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.73	101	3106	0.803	ug/l	98
12) 1,1-Dichloroethene	3.72	96	3441	0.876	ug/l #	78
14) Allyl chloride	4.29	41	5617	0.766	ug/l #	68
15) Acrylonitrile	4.96	53	9760	4.224	ug/l	96
16) Acetone	3.79	43	9671	4.941	ug/l	98
17) Carbon Disulfide	4.03	76	14184	1.289	ug/l	95
18) Methyl Acetate	4.29	43	6065	0.934	ug/l #	85
19) Methyl tert-butyl Ether	5.00	73	10429m	0.822	ug/l	
20) Methylene Chloride	4.53	84	4180	0.947	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	4194	1.008	ug/l #	68
22) Diisopropyl ether	5.92	45	10985	0.795	ug/l #	74
23) Vinyl Acetate	5.87	43	42762	3.937	ug/l	97
24) 1,1-Dichloroethane	5.82	63	6736	0.866	ug/l #	85
25) 2-Butanone	6.81	43	12867	4.228	ug/l	99
26) 2,2-Dichloropropane	6.79	77	6182	0.918	ug/l	88
27) cis-1,2-Dichloroethene	6.80	96	3953	0.842	ug/l	97
28) Bromochloromethane	7.17	49	1272	2.734	ug/l #	99
29) Tetrahydrofuran	7.19	42	8895	4.227	ug/l	88
30) Chloroform	7.35	83	9867	1.173	ug/l	85
32) 1,1,1-Trichloroethane	7.54	97	5206	0.803	ug/l #	50
36) 1,1-Dichloropropene	7.77	75	5169	0.863	ug/l #	80
37) Ethyl Acetate	6.91	43	4700	0.731	ug/l #	86
38) Carbon Tetrachloride	7.75	117	4826	0.842	ug/l	92
39) Methylcyclohexane	9.07	83	6006	0.832	ug/l	95
40) Benzene	8.02	78	14624	0.832	ug/l	99
41) Methacrylonitrile	7.15	41	2163	0.757	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	5111	0.880	ug/l	87
43) Isopropyl Acetate	8.15	43	7414	0.754	ug/l #	82

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.82	130	4105	0.922	ug/l	98
45) 1,2-Dichloropropane	9.10	63	4054	0.865	ug/l	93
46) Dibromomethane	9.19	93	2414	0.840	ug/l	99
47) Bromodichloromethane	9.39	83	4876	0.847	ug/l #	99
48) Methyl methacrylate	9.19	41	3694	0.826	ug/l #	88
49) 1,4-Dioxane	9.19	88	1289	19.181	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	22164	3.851	ug/l	97
52) Toluene	10.15	92	8566	0.811	ug/l	93
53) t-1,3-Dichloropropene	10.38	75	5330	0.797	ug/l #	53
54) cis-1,3-Dichloropropene	9.83	75	5496	0.757	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	3520	0.857	ug/l	95
56) Ethyl methacrylate	10.43	69	4323	2.788	ug/l	87
57) 1,3-Dichloropropane	10.70	76	5993	0.837	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	8684	25.883	ug/l	98
59) 2-Hexanone	10.75	43	17624	4.182	ug/l	96
60) Dibromochloromethane	10.90	129	3032	0.700	ug/l	88
61) 1,2-Dibromoethane	11.00	107	3167	0.741	ug/l	100
64) Tetrachloroethene	10.62	164	3816	0.995	ug/l	87
65) Chlorobenzene	11.43	112	9974	0.936	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	2805	0.724	ug/l #	46
67) Ethyl Benzene	11.51	91	15950	0.838	ug/l	98
68) m/p-Xylenes	11.62	106	11703	1.655	ug/l	94
69) o-Xylene	11.95	106	5538	0.818	ug/l	99
70) Styrene	11.97	104	8355	0.782	ug/l	95
71) Bromoform	12.13	173	2448	0.835	ug/l #	99
73) Isopropylbenzene	12.25	105	15033	0.944	ug/l	97
74) N-amyl acetate	12.08	43	6258	0.978	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	5120	0.972	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	4516m	1.006	ug/l	
77) Bromobenzene	12.53	156	4102	1.062	ug/l	92
78) n-propylbenzene	12.59	91	17103	0.949	ug/l	99
79) 2-Chlorotoluene	12.68	91	11302	1.021	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	12113	0.905	ug/l	98
82) 4-Chlorotoluene	12.78	91	11180	0.976	ug/l	100
83) tert-Butylbenzene	13.00	119	10918	0.966	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	12237	0.934	ug/l	99
85) sec-Butylbenzene	13.17	105	14315	0.942	ug/l	99
86) p-Isopropyltoluene	13.29	119	13013	0.963	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	8324	1.211	ug/l	93
88) 1,4-Dichlorobenzene	13.37	146	8230m	1.210	ug/l	
89) n-Butylbenzene	13.62	91	12664	1.068	ug/l	97
90) Hexachloroethane	13.88	117	2636	1.030	ug/l	77
91) 1,2-Dichlorobenzene	13.66	146	8069	1.213	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2081	1.859	ug/l	54
93) 1,2,4-Trichlorobenzene	14.92	180	7455	4.634	ug/l	98
94) Hexachlorobutadiene	15.01	225	3528	1.472	ug/l	99
95) Naphthalene	15.13	128	32892	5.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	10043	4.281	ug/l	96

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

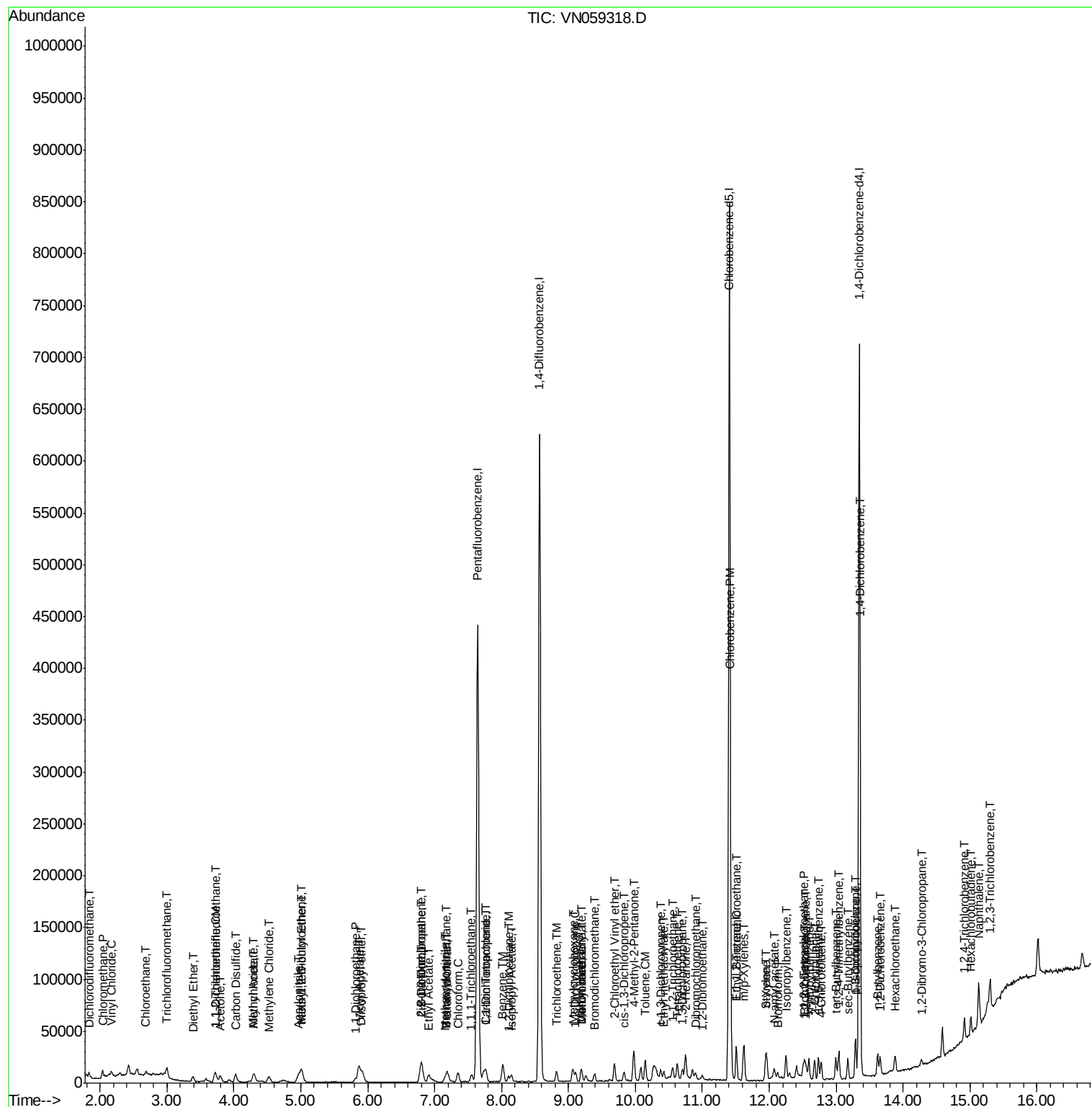
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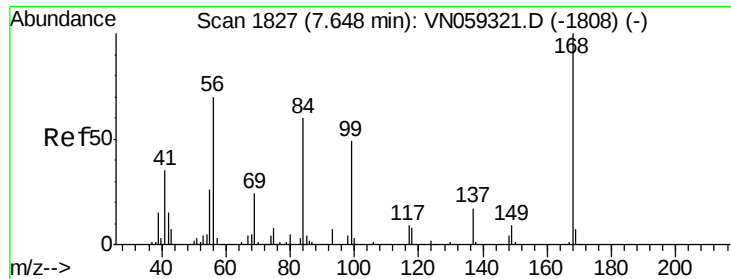
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 363817

Ion Ratio Lower Upper

168 100

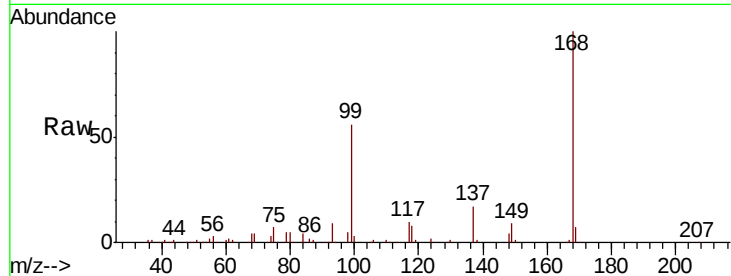
99 56.2 44.6 66.8

Manual Integrations

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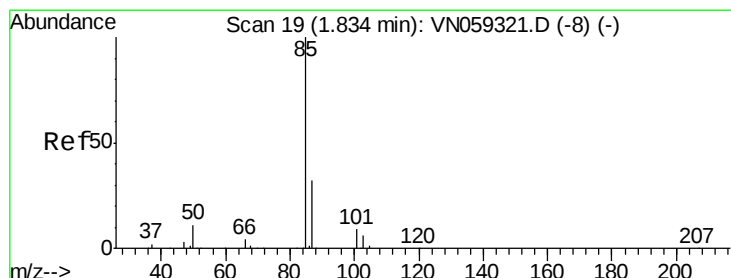
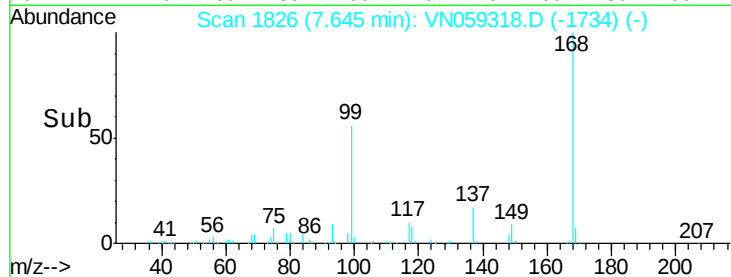
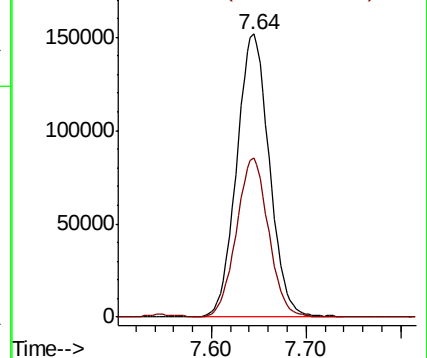
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.822 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059318.D

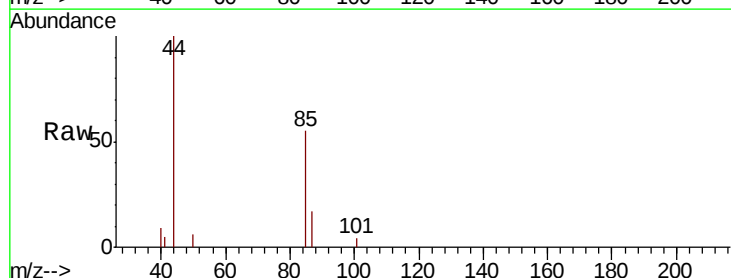
Acq: 20 Nov 2019 11:25

Tgt Ion: 85 Resp: 3828

Ion Ratio Lower Upper

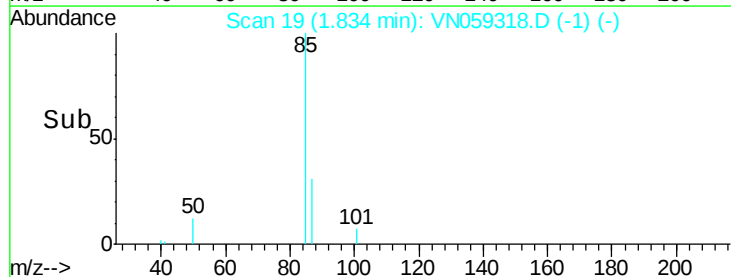
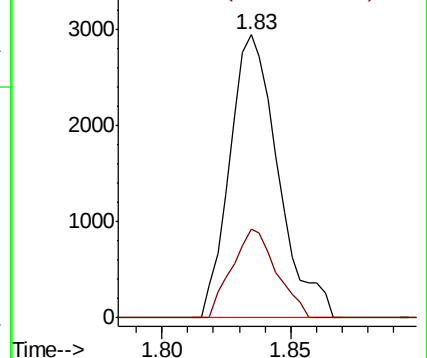
85 100

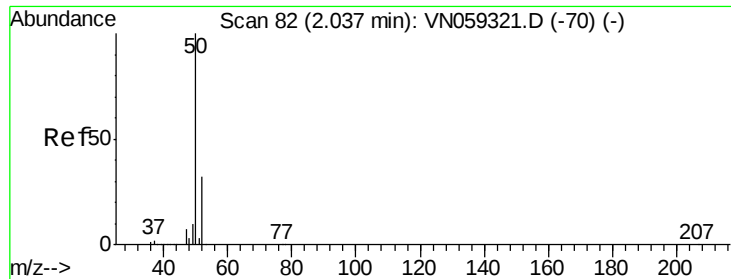
87 31.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 0.888 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 5067

Ion Ratio Lower Upper

50 100

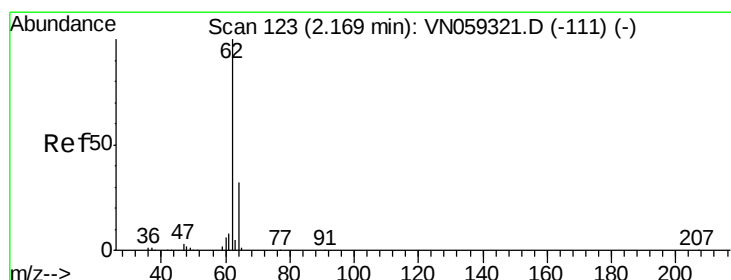
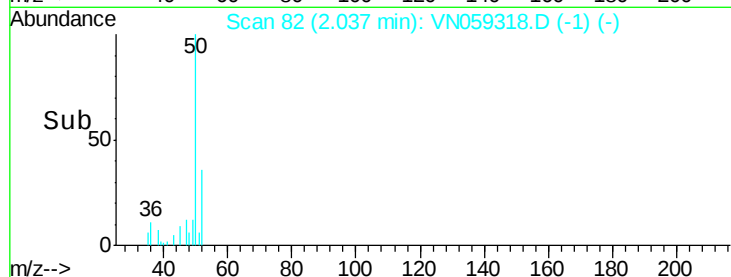
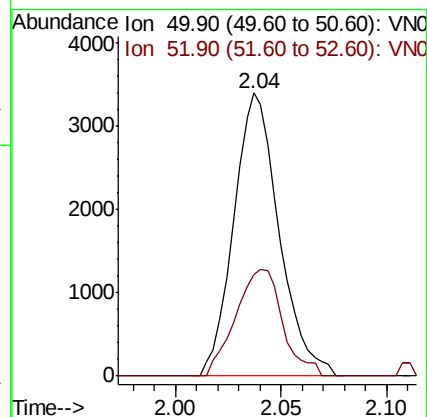
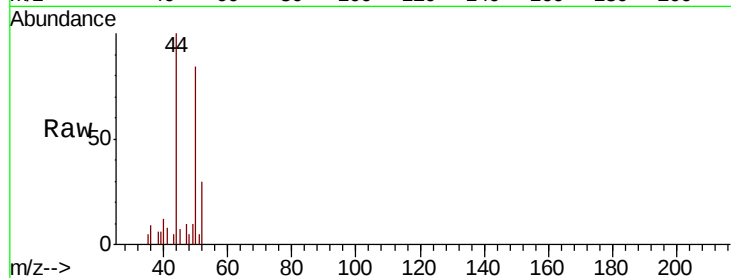
52 35.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.880 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059318.D

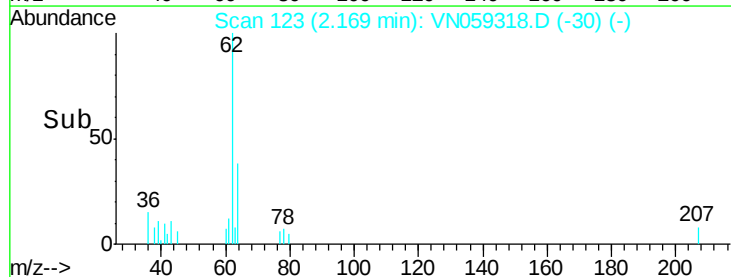
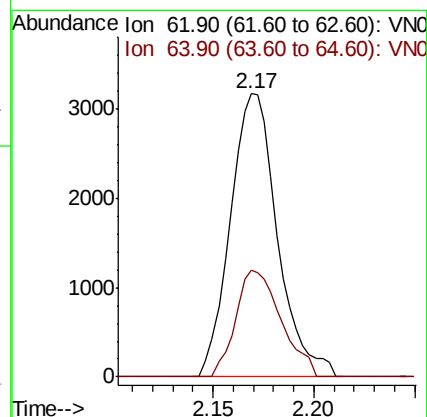
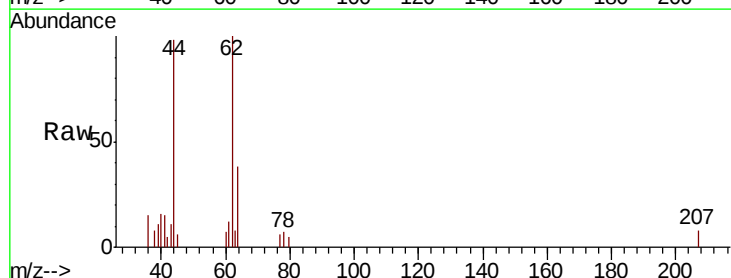
Acq: 20 Nov 2019 11:25

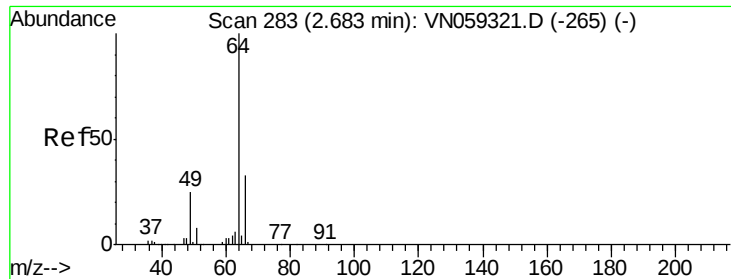
Tgt Ion: 62 Resp: 5168

Ion Ratio Lower Upper

62 100

64 37.5 25.4 38.0





#6

Chloroethane

Concen: 1.071 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 3435

Ion Ratio Lower Upper

64 100

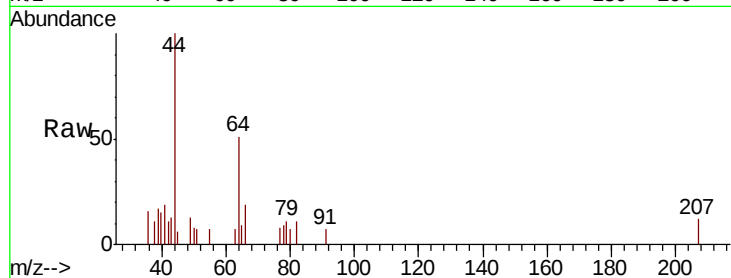
66 36.0 26.2 39.2

Manual Integrations

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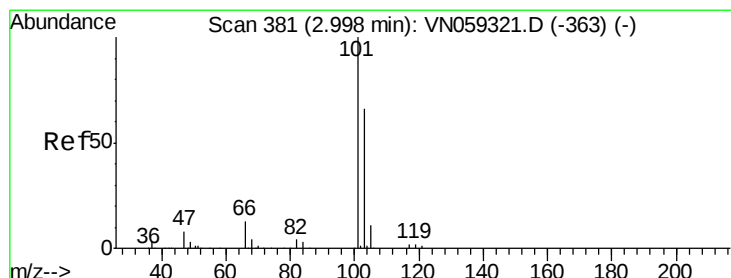
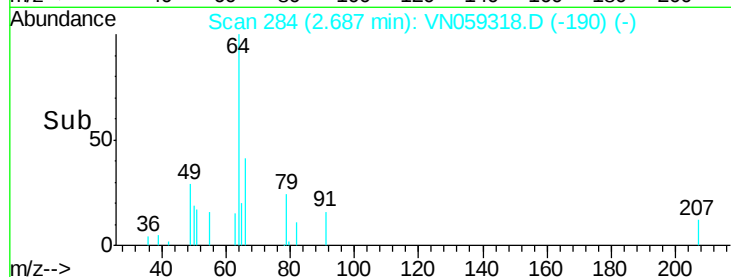
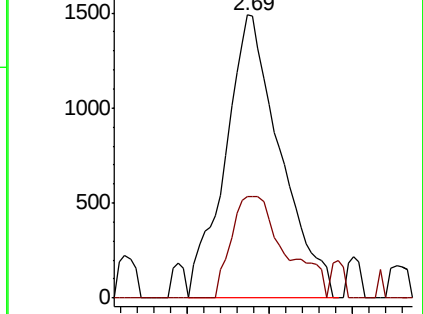
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Abundance Ion 63.90 (63.60 to 64.60): VN059318.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN059318.D (-190) (-)



#7

Trichlorofluoromethane

Concen: 0.846 ug/l

RT: 3.00 min Scan# 381

Delta R.T. 0.00 min

Lab File: VN059318.D

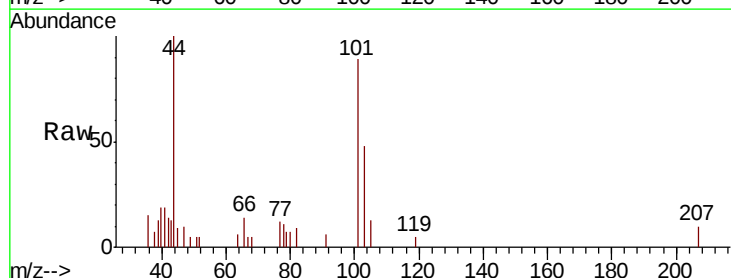
Acq: 20 Nov 2019 11:25

Tgt Ion: 101 Resp: 5350

Ion Ratio Lower Upper

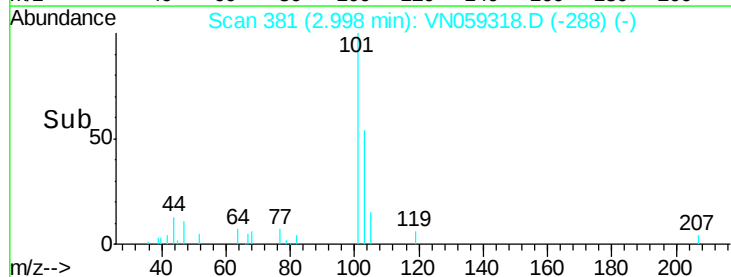
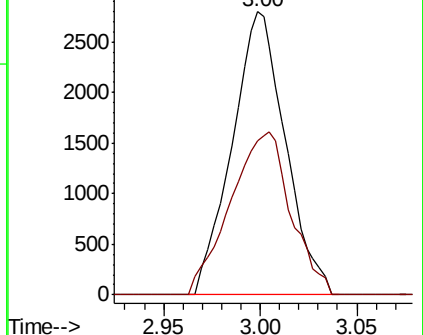
101 100

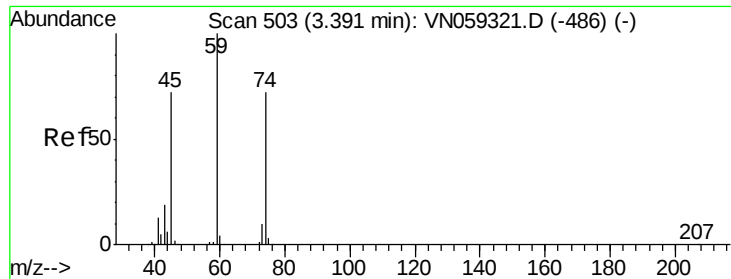
103 54.2 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): VN059318.D (-288) (-)

Ion 102.80 (102.50 to 103.50): VN059318.D (-288) (-)





#8

Diethyl Ether

Concen: 0.858 ug/l m

RT: 3.38 min Scan# 500

Delta R.T. -0.01 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

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ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 2218

Ion Ratio Lower Upper

74 100

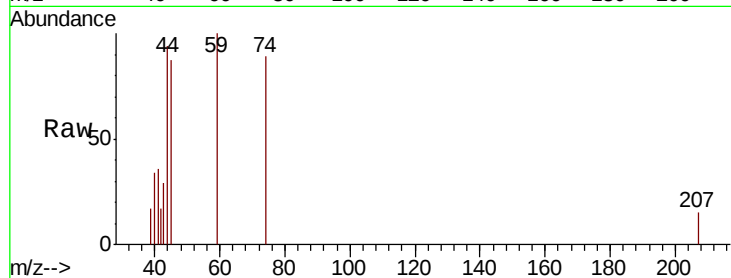
45 113.4 51.7 155.2

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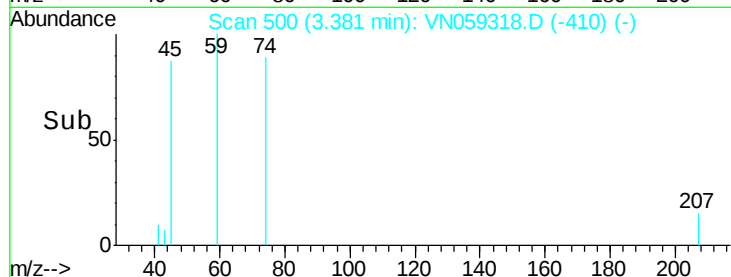


Abundance Ion 74.00 (73.70 to 74.70): VN059321.D (-486) (-)

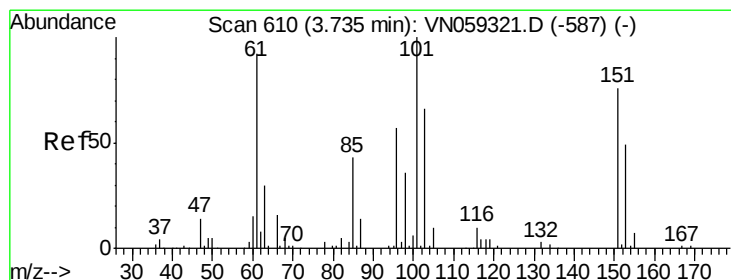
Ion 45.00 (44.70 to 45.70): VN059321.D (-486) (-)

3.38

3.35 3.40 3.45



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.803 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

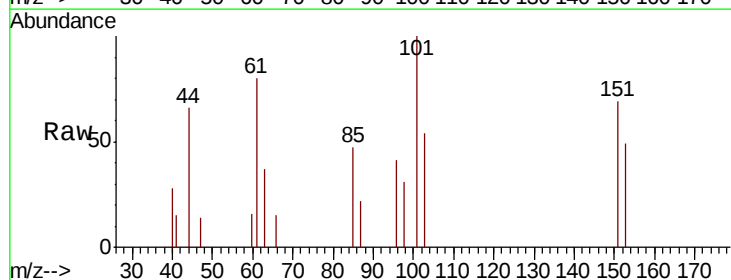
Tgt Ion: 101 Resp: 3106

Ion Ratio Lower Upper

101 100

85 42.8 34.8 52.2

151 80.0 62.2 93.4



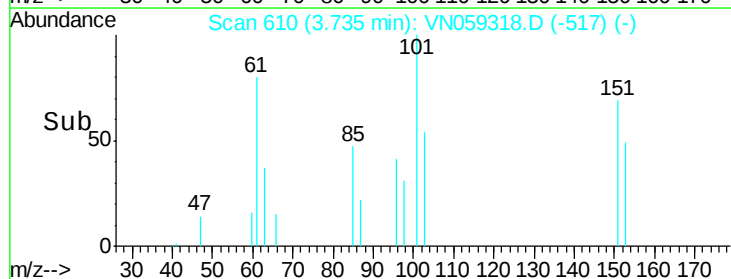
Abundance Ion 100.90 (100.60 to 101.60): VN059321.D (-587) (-)

Ion 84.90 (84.60 to 85.60): VN059321.D (-587) (-)

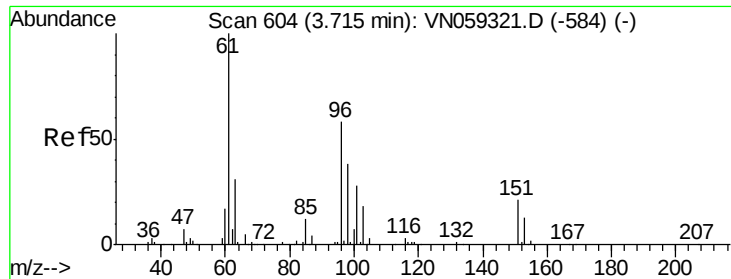
Ion 150.80 (150.50 to 151.50): VN059321.D (-587) (-)

3.73

3.70 3.75 3.80



Time-->



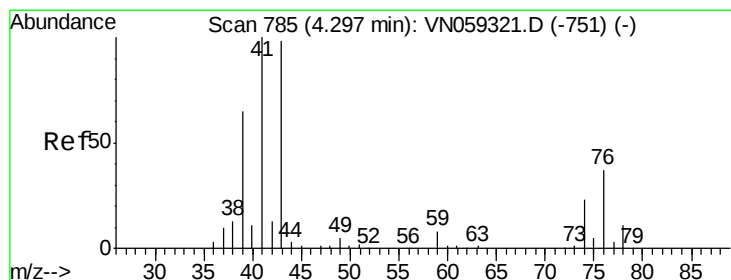
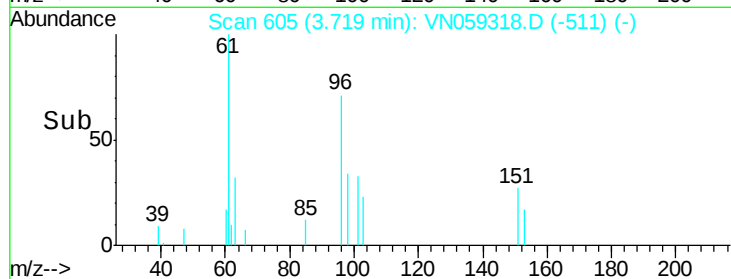
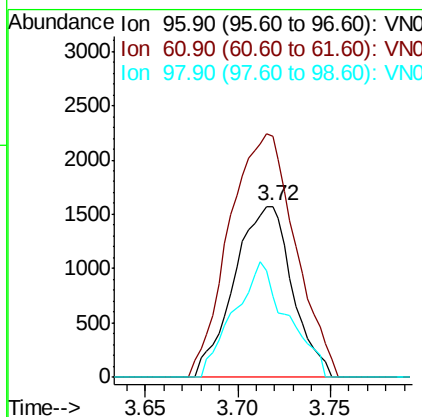
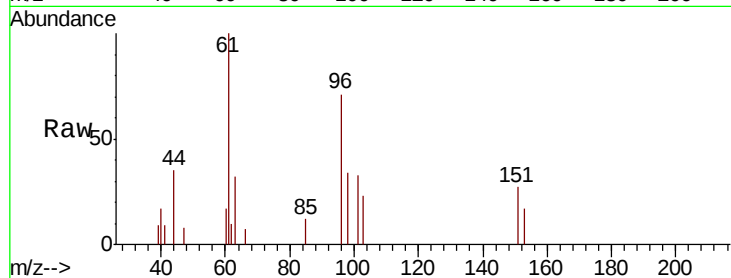
#12
 1,1-Dichloroethene
 Concen: 0.876 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	136.8	205.2
98	47.2	51.6	77.4#

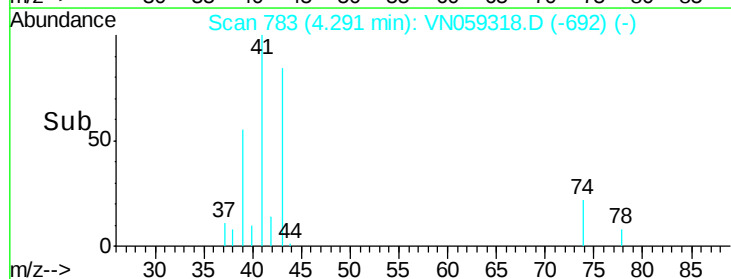
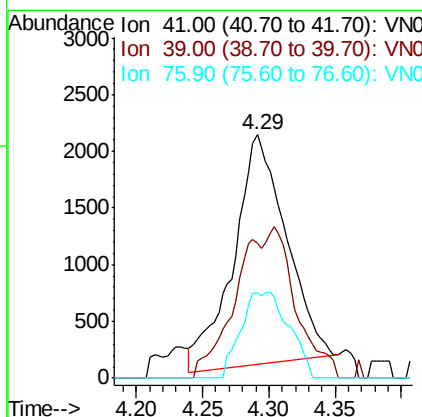
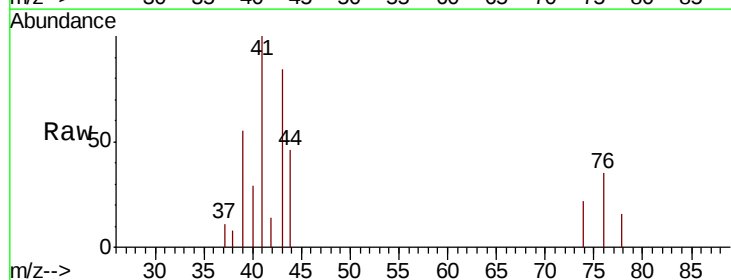
Manual Integrations
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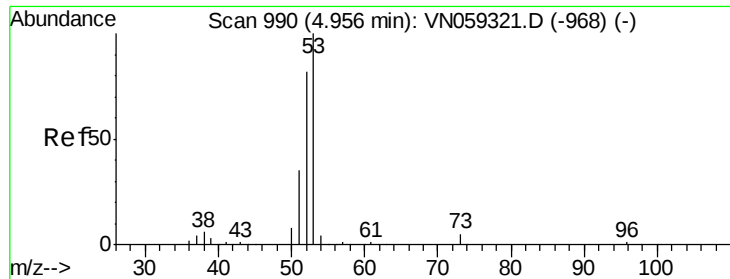
MMDadoda
 11/21/2019 11:07:32 AM



#14
 Allyl chloride
 Concen: 0.766 ug/l
 RT: 4.29 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
41	100		
39	35.1	48.4	72.6#
76	15.6	26.2	39.4#





#15

Acrylonitrile

Concen: 4.224 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

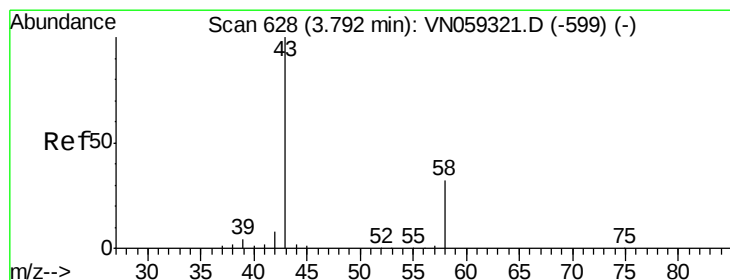
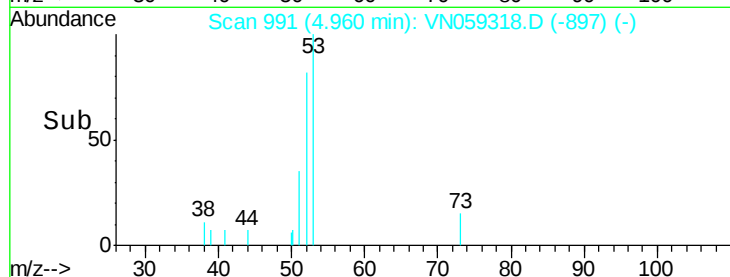
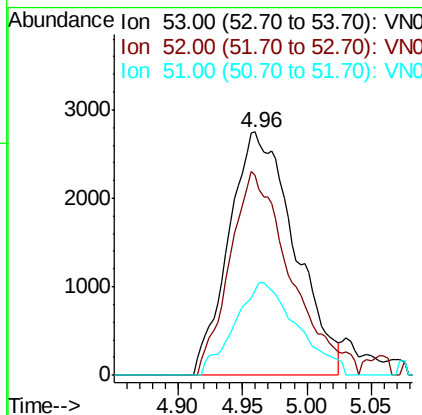
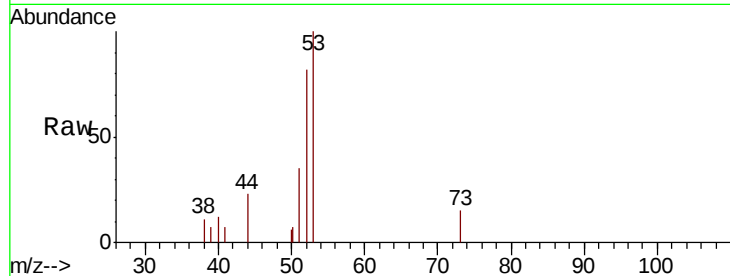
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	9760
Ion	Ratio	Lower	Upper
53	100		
52	77.5	65.8	98.8
51	36.2	28.2	42.2

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#16

Acetone

Concen: 4.941 ug/l

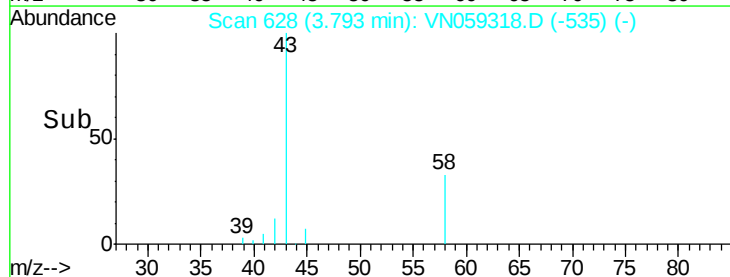
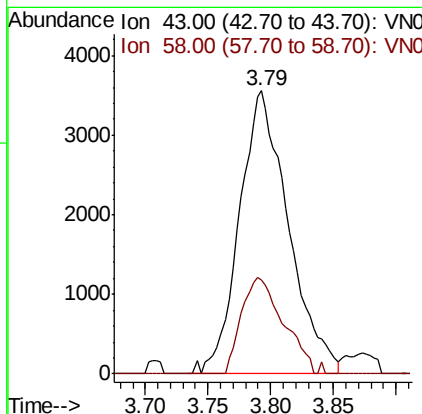
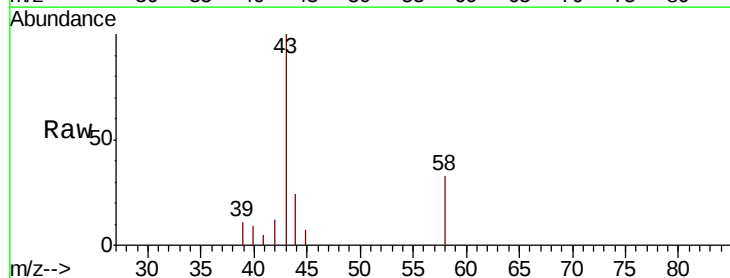
RT: 3.79 min Scan# 628

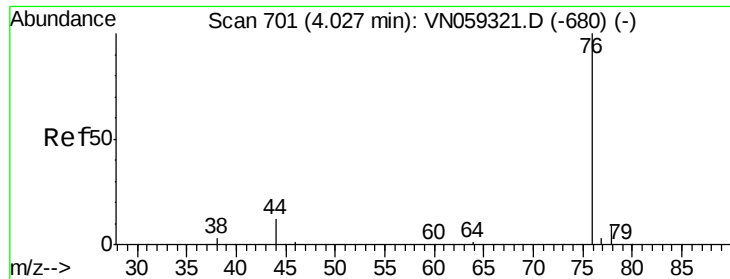
Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Tgt Ion:	43	Resp:	9671
Ion	Ratio	Lower	Upper
43	100		
58	33.4	25.8	38.6





#17

Carbon Disulfide

Concen: 1.289 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 14184

Ion Ratio Lower Upper

76 100

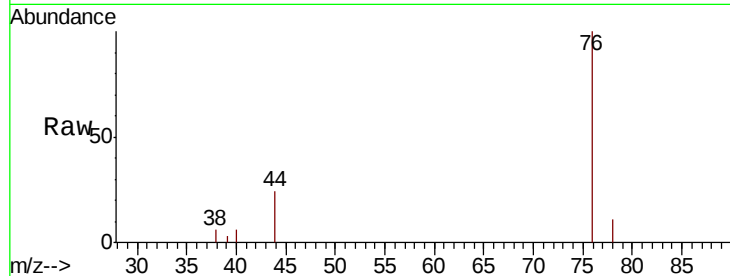
78 10.8 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

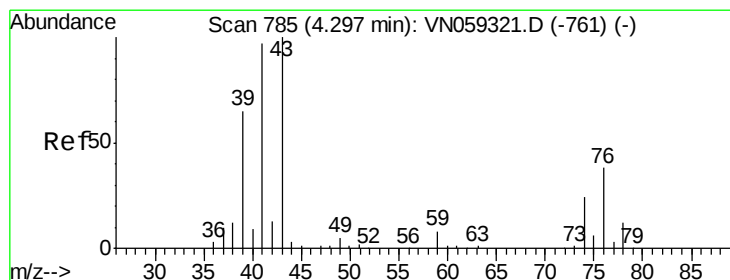
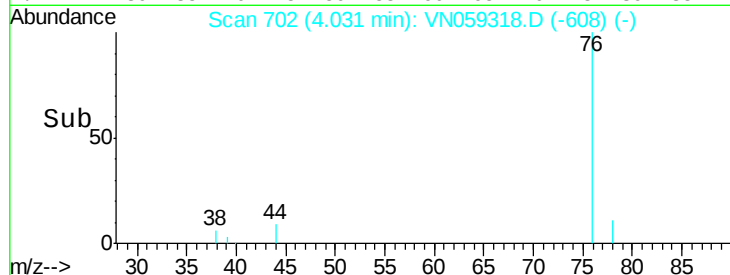
6000

4000

2000

0

Time-->



#18

Methyl Acetate

Concen: 0.934 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059318.D

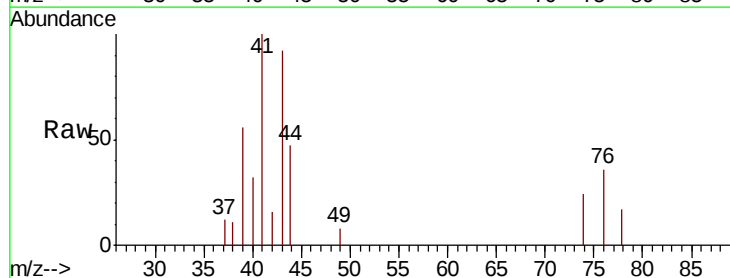
Acq: 20 Nov 2019 11:25

Tgt Ion: 43 Resp: 6065

Ion Ratio Lower Upper

43 100

74 15.6 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.29

2000

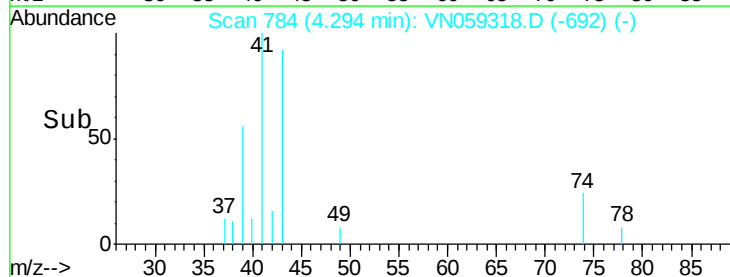
1500

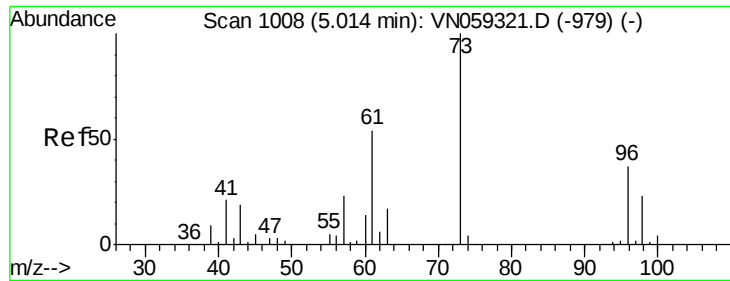
1000

500

0

Time-->





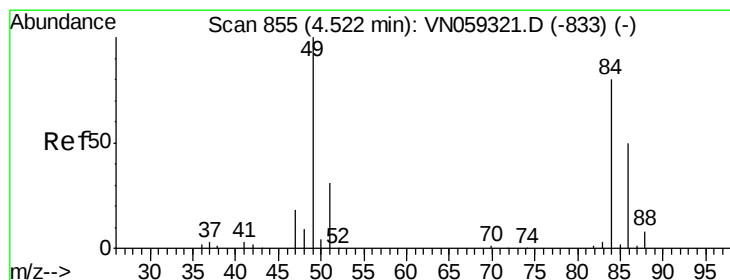
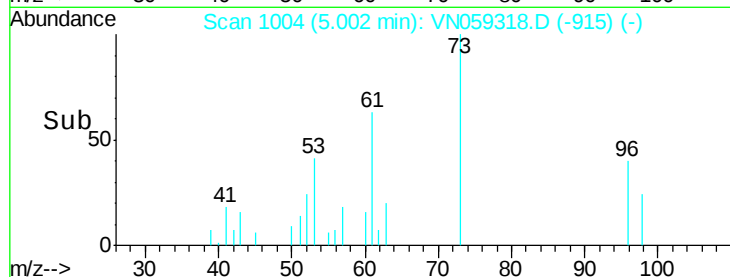
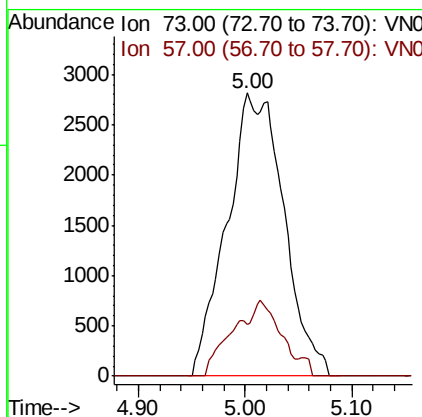
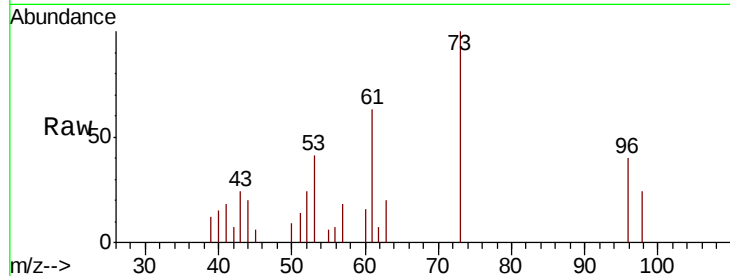
#19
Methvl tert-butvl Ether
Concen: 0.822 ug/l m
RT: 5.00 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 10429
Ion Ratio Lower Upper
73 100
57 18.3 18.4 27.6#

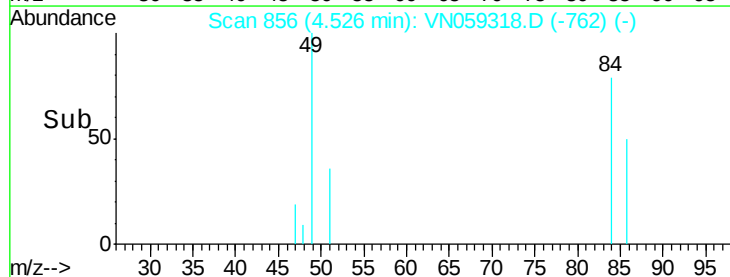
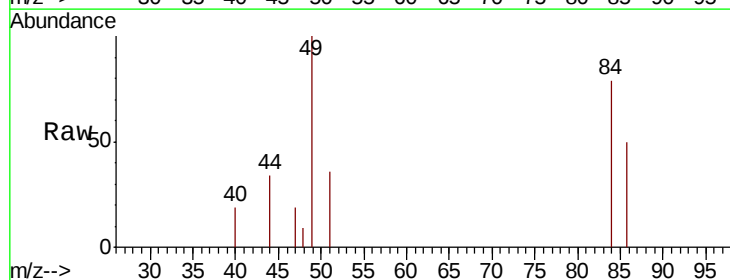
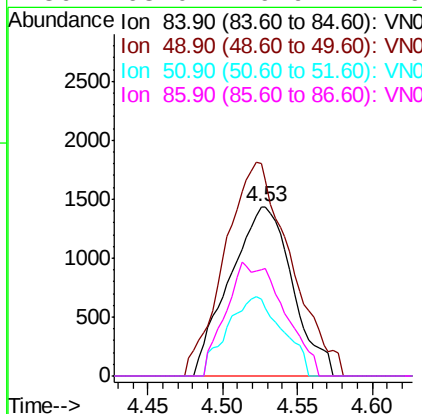
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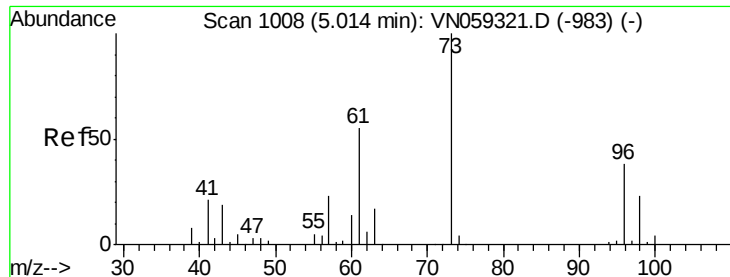
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#20
Methylene Chloride
Concen: 0.947 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 84 Resp: 4180
Ion Ratio Lower Upper
84 100
49 115.1 99.5 149.3
51 45.5 31.1 46.7
86 63.0 49.9 74.9





#21

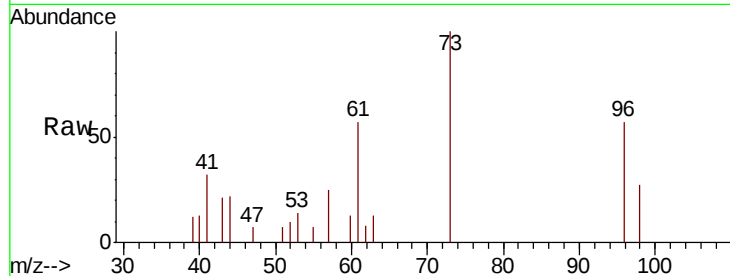
trans-1,2-Dichloroethene
Concen: 1.008 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	99.3	116.4	174.6#
98	46.7	49.6	74.4#

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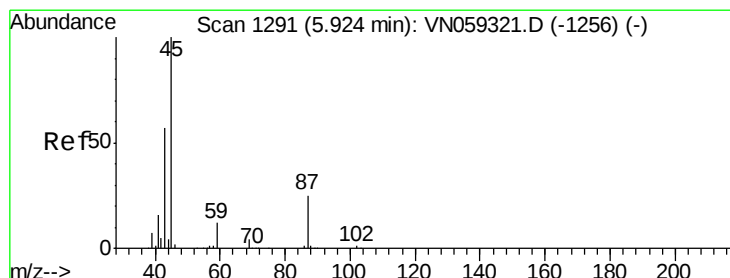
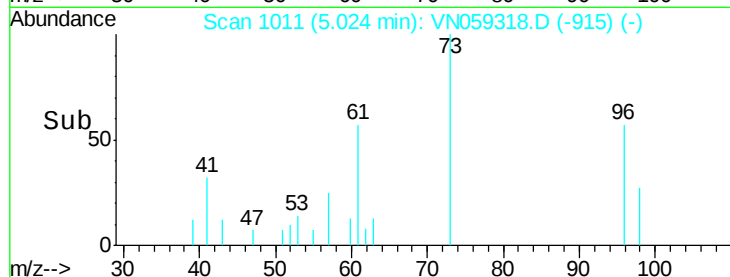
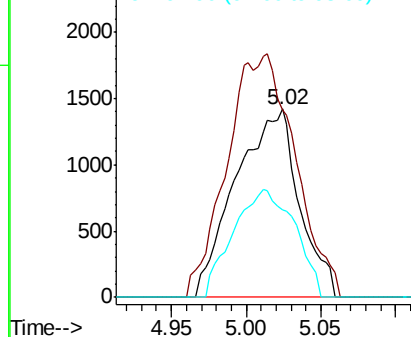


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether
Concen: 0.795 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	89.5	47.6	71.4#
87	22.5	20.7	31.1
59	11.6	9.4	14.2

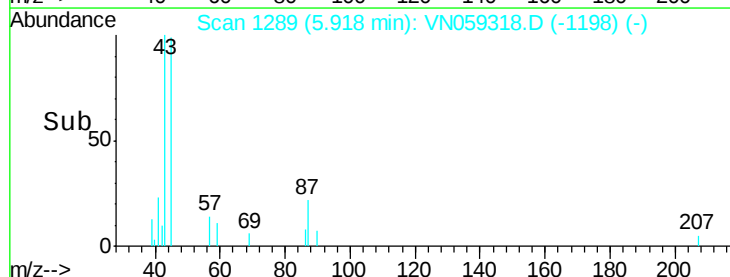
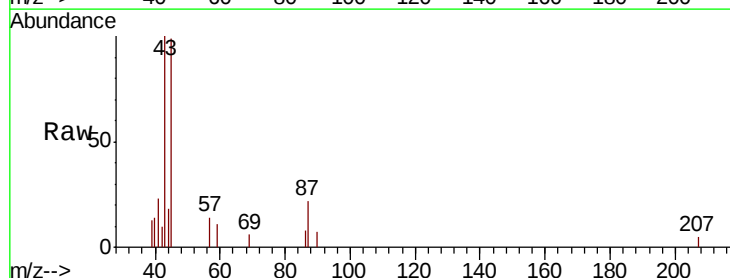
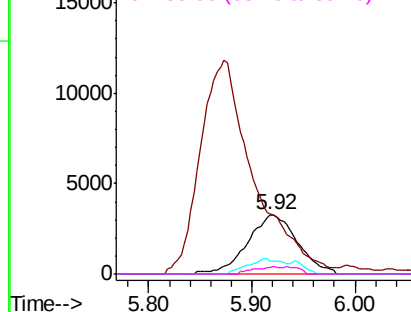
Abundance

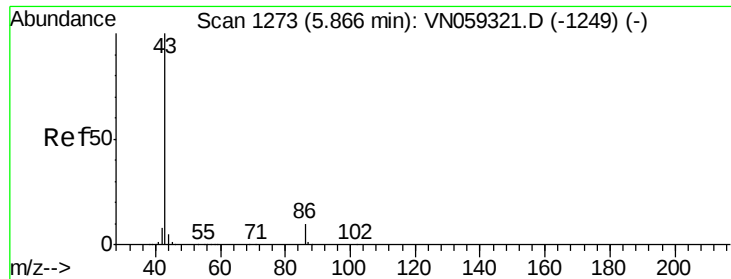
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 3.937 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC001

Tot Ion: 43 Resp: 42762

Ion Ratio Lower Upper

43 100

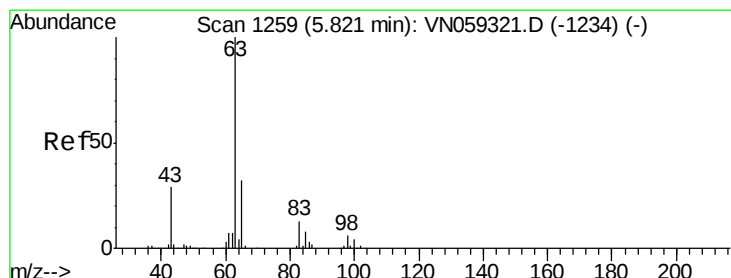
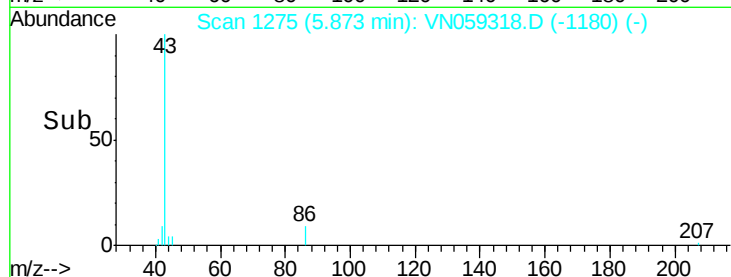
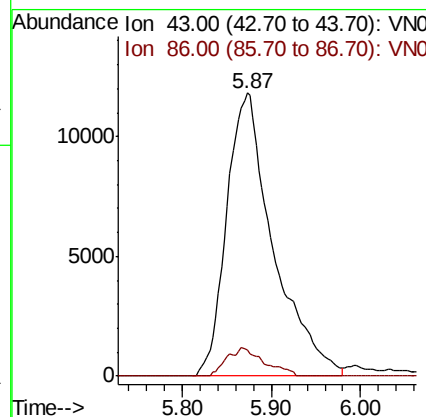
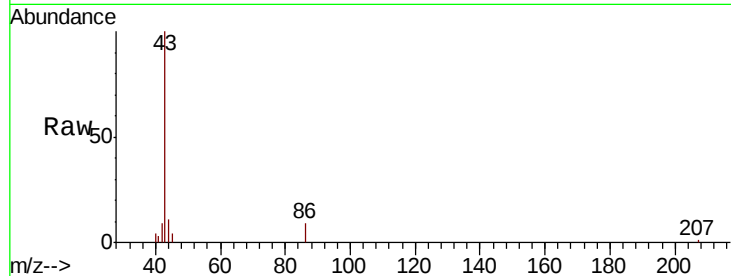
86 9.0 8.0 12.0

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#24

1,1-Dichloroethane

Concen: 0.866 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

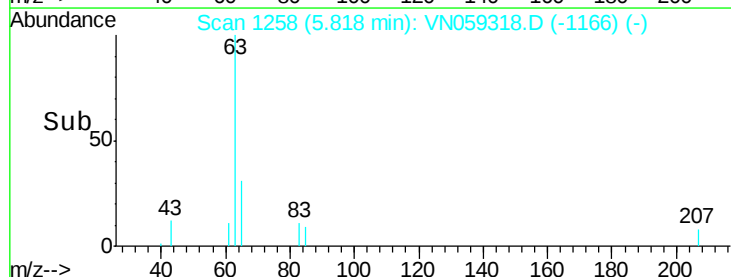
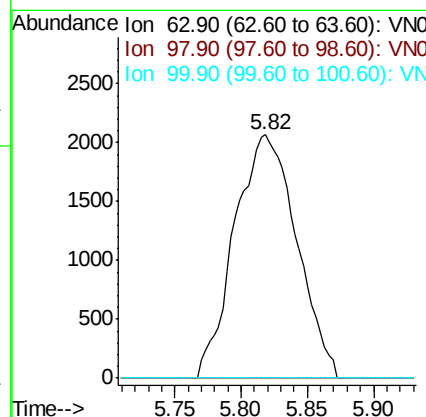
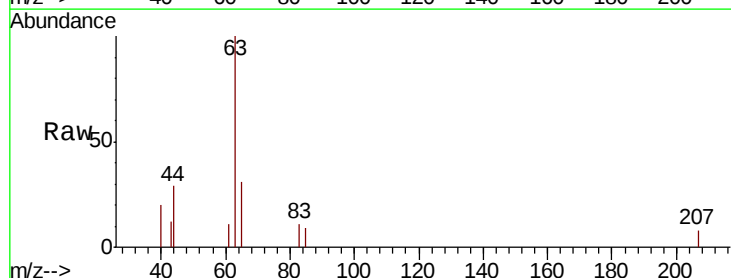
Tgt Ion: 63 Resp: 6736

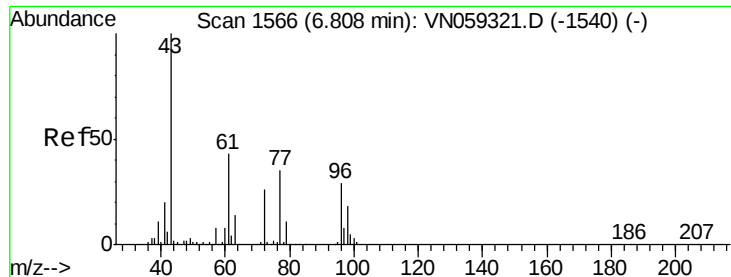
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 1.9 5.7#





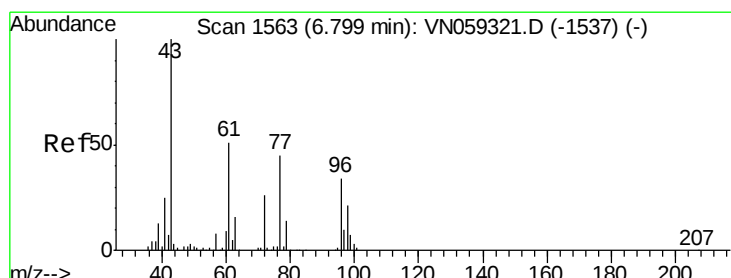
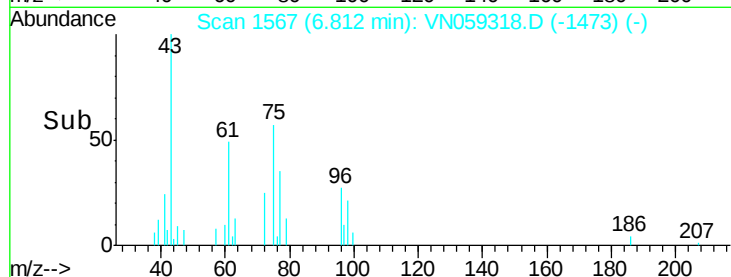
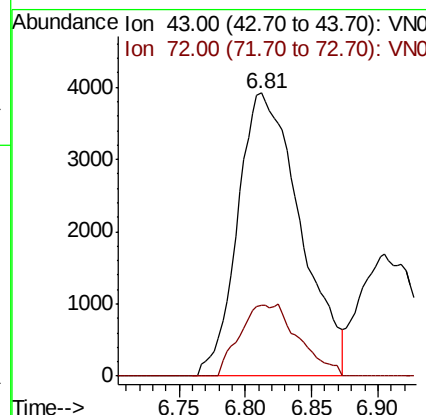
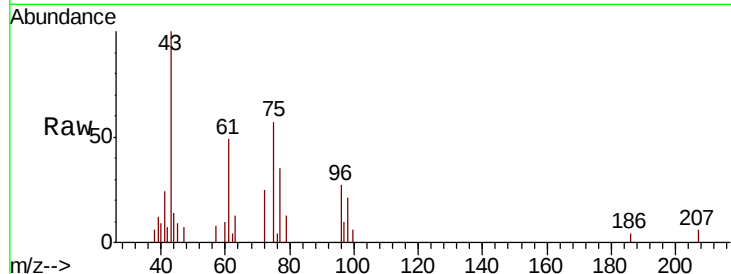
#25
2-Butanone
Concen: 4.228 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 12867
Ion Ratio Lower Upper
43 100
72 25.2 20.5 30.7

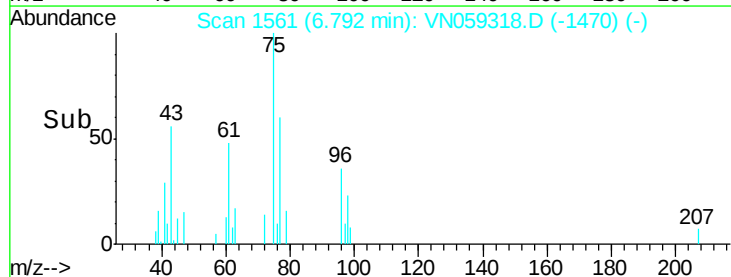
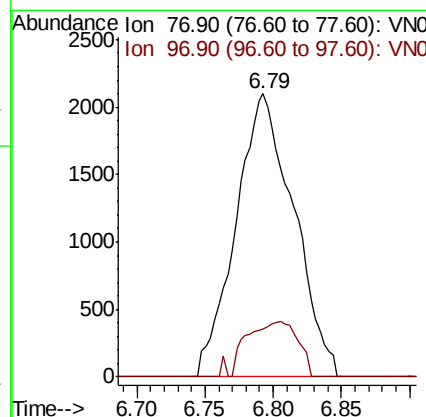
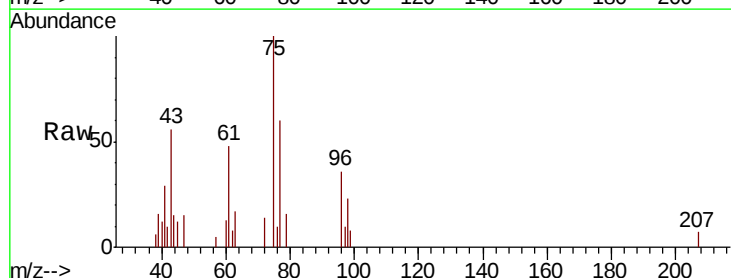
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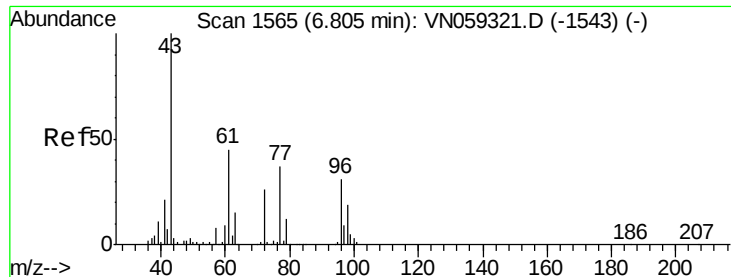
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#26
2,2-Dichloropropane
Concen: 0.918 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 77 Resp: 6182
Ion Ratio Lower Upper
77 100
97 17.2 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 0.842 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

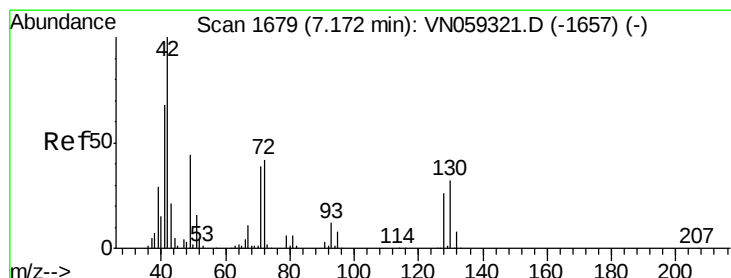
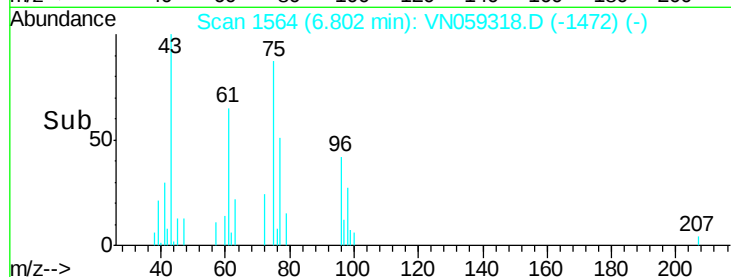
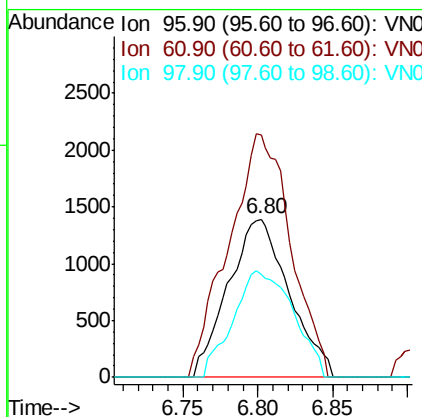
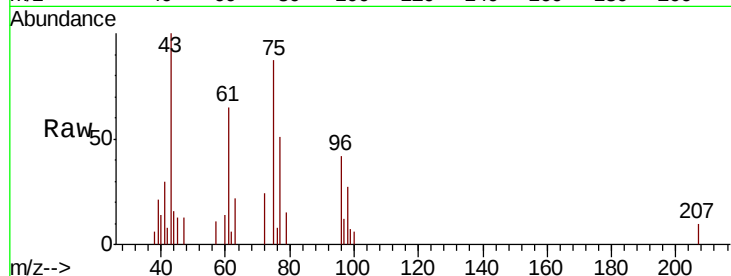
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	3953
Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	304.0
98	66.0	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 2.734 ug/l

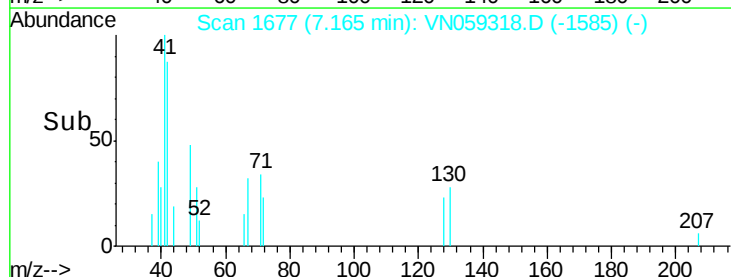
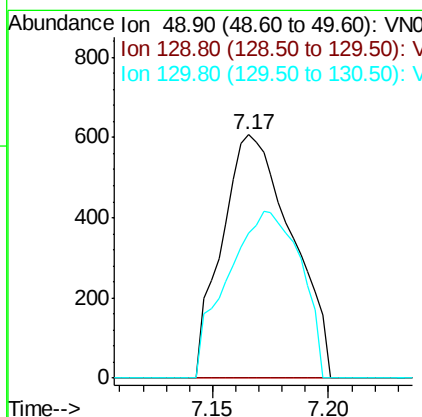
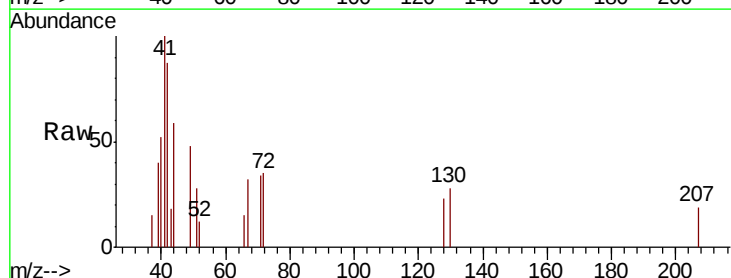
RT: 7.17 min Scan# 1677

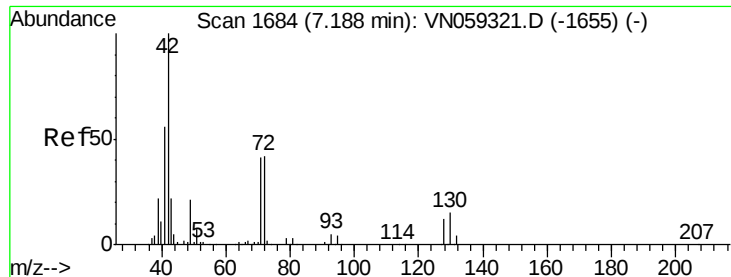
Delta R.T. -0.01 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Tgt Ion:	49	Resp:	1272
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	71.9	57.0	85.6





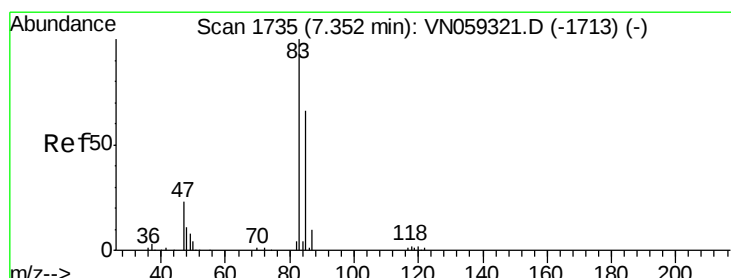
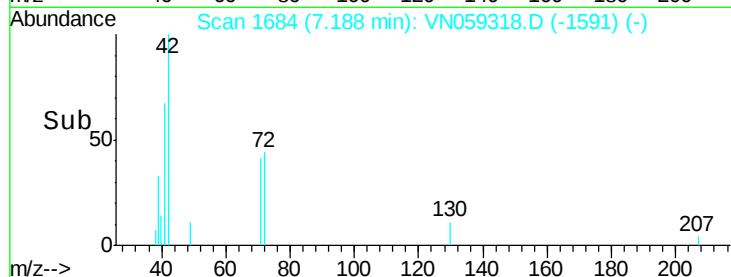
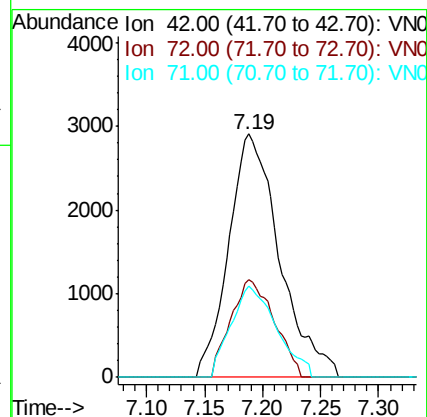
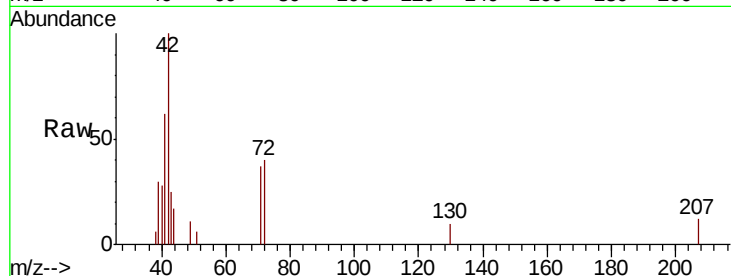
#29
Tetrahydrofuran
Concen: 4.227 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	34.2	51.2
71	33.7	32.6	48.8

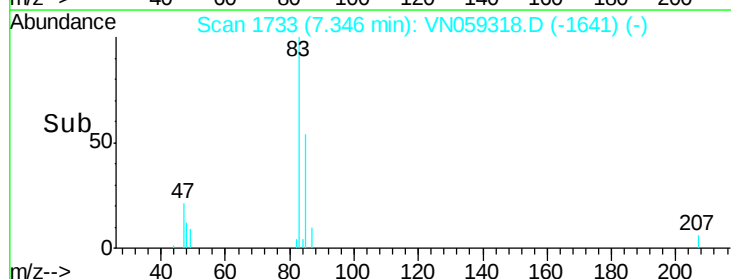
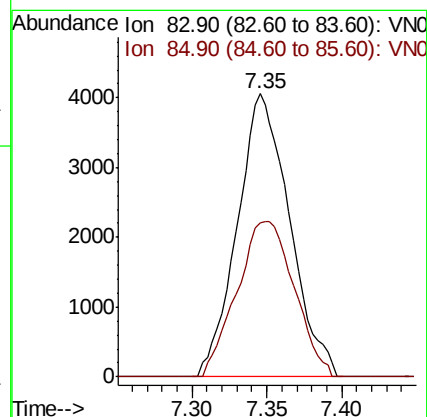
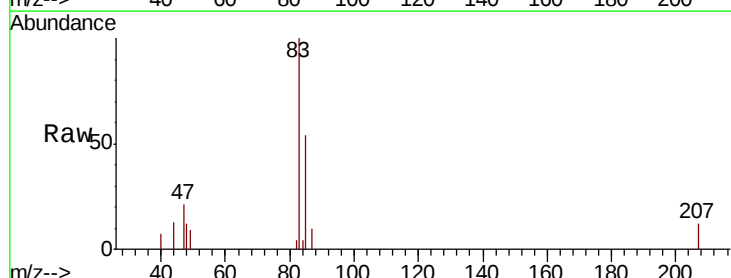
Manual Integrations
APPROVED

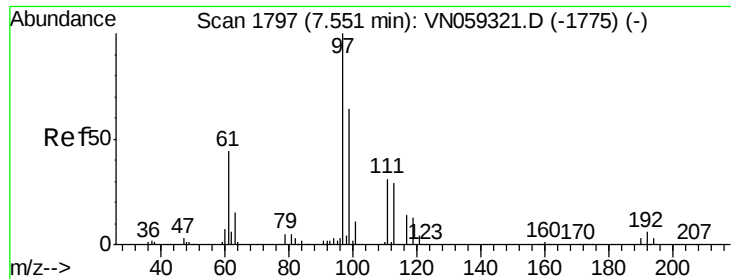
MMDadoda
11/21/2019 11:07:32 AM



#30
Chloroform
Concen: 1.173 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.01 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.4	52.7	79.1





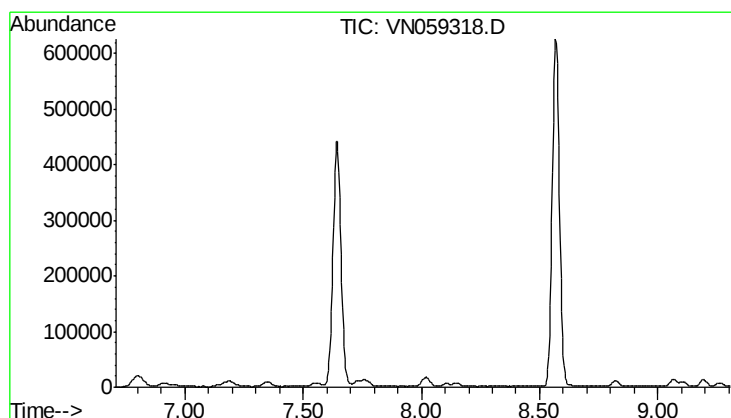
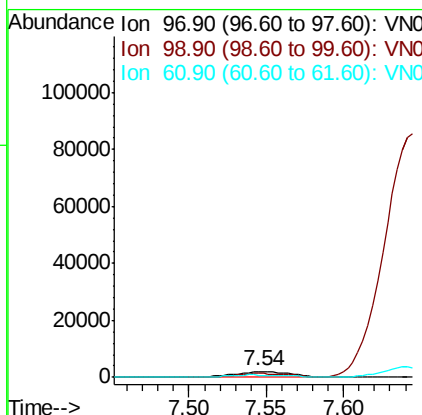
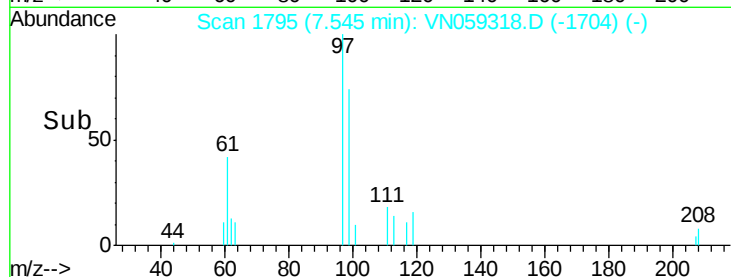
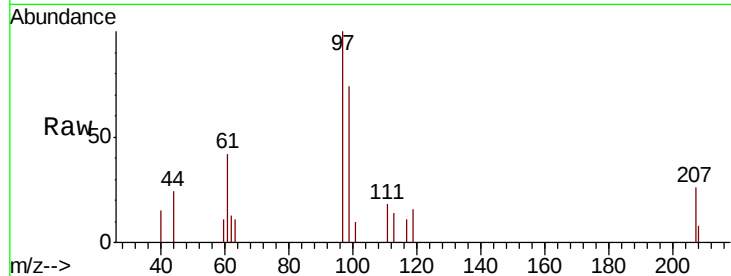
#32
 1,1,1-Trichloroethane
 Concen: 0.803 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.3	76.9#	
61	45.9	35.3	52.9	

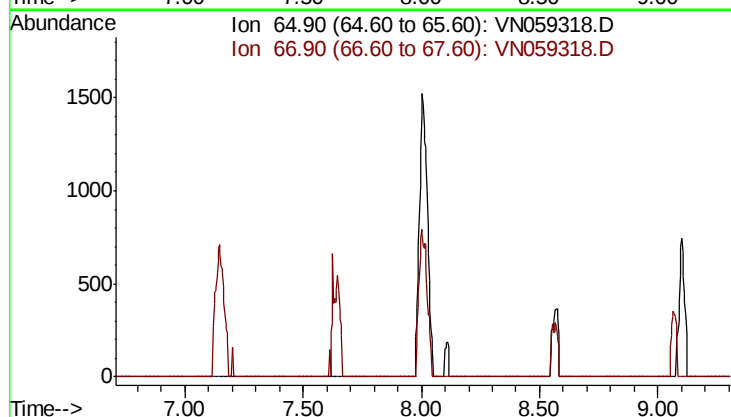
Manual Integrations
 APPROVED

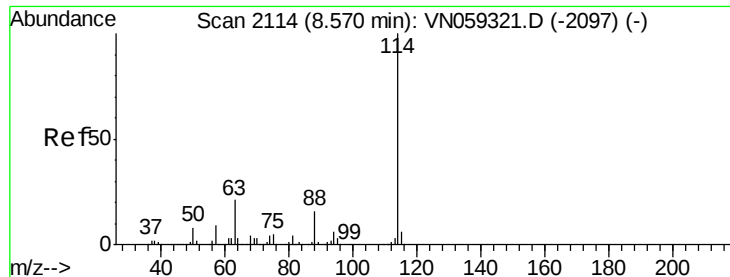
MMDadoda
 11/21/2019 11:07:32 AM



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 8.01 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion	Sig	Exp Ratio
65	100	
67	54.7	





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

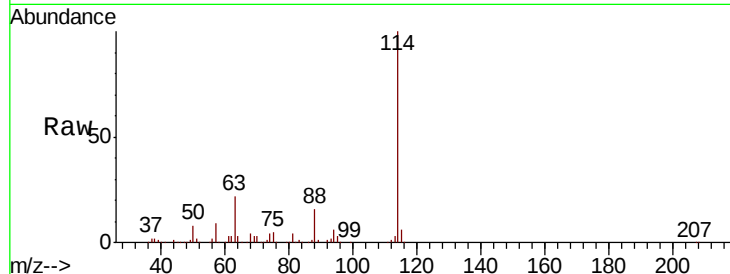
ClientSampleId :

VSTDIC001

Tot Ion:	114	Resp:	579880
Ion Ratio	Lower	Upper	
114	100		
63	21.5	0.0	42.2
88	16.1	0.0	32.2

Manual Integrations
APPROVED

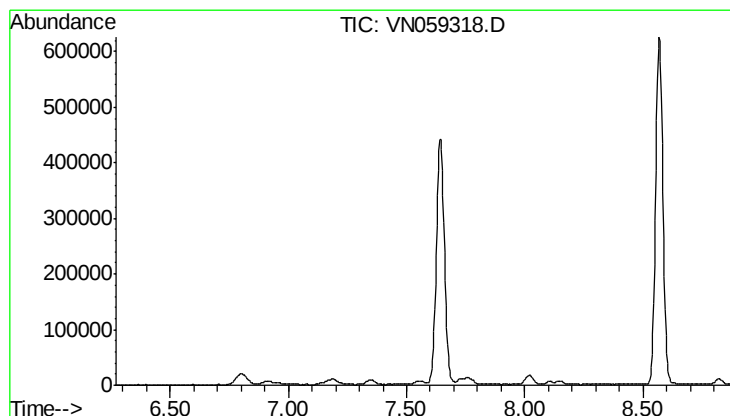
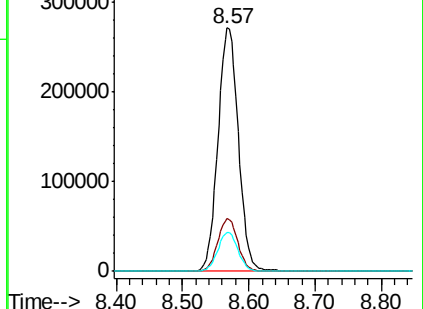
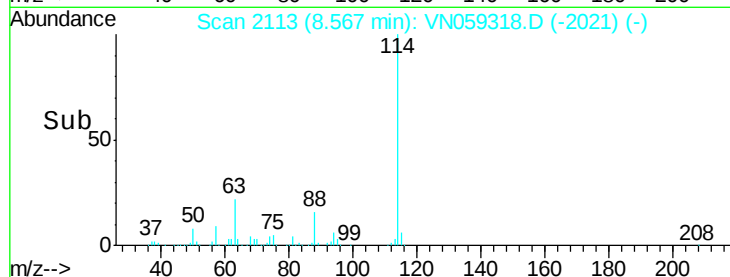
MMDadoda
11/21/2019 11:07:32 AM



Abundance Ion 113.90 (113.60 to 114.60): VN059318.D

Ion 63.00 (62.70 to 63.70): VN059318.D

Ion 87.90 (87.60 to 88.60): VN059318.D



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.57 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Tgt Ion: 113

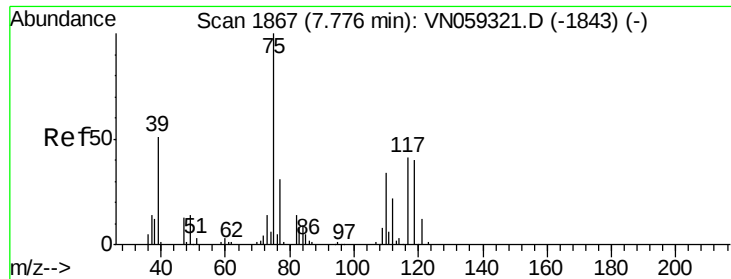
Sig Exp Ratio

113 100

111 103.4

192 20.4





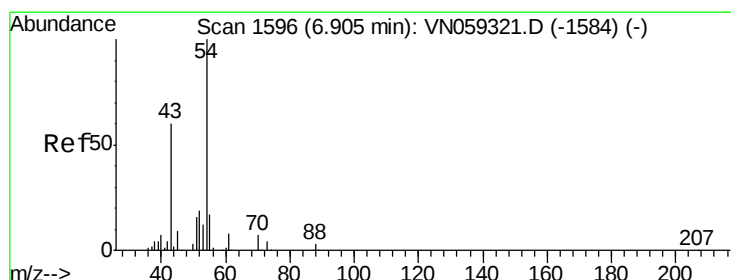
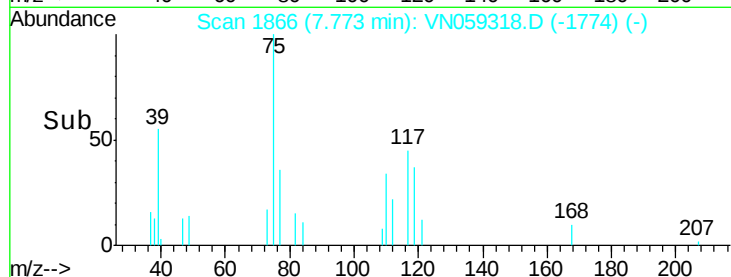
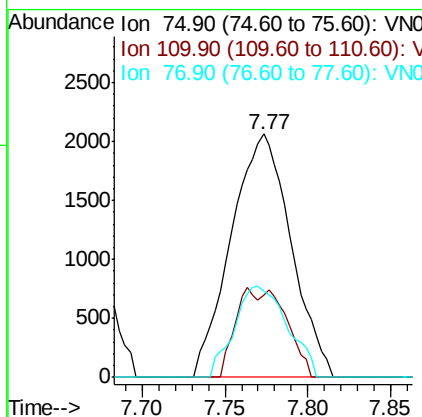
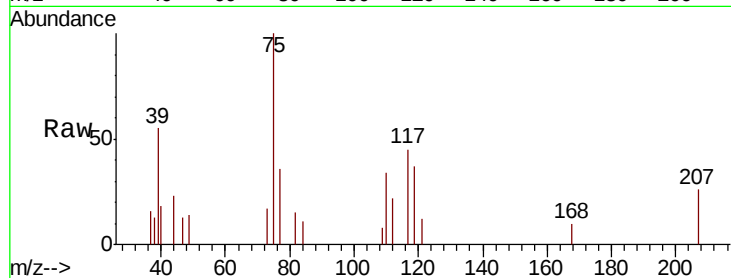
#36
 1,1-Dichloropropene
 Concen: 0.863 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	14.5	17.0	51.0#
77	33.4	24.8	37.2

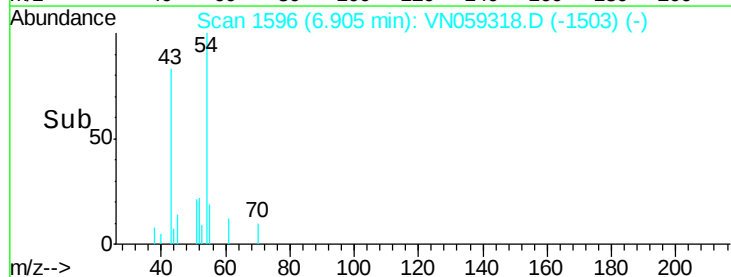
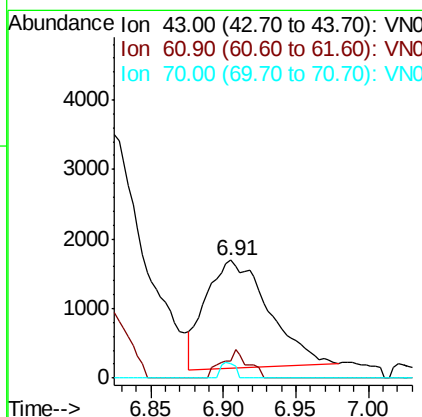
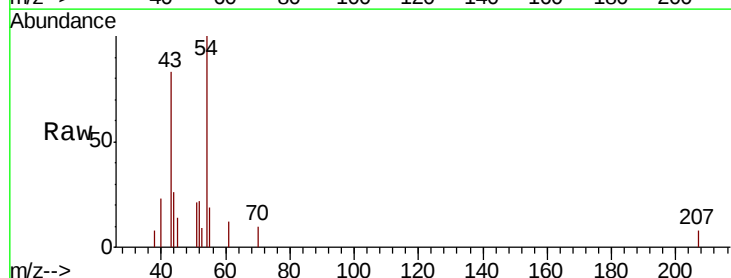
Manual Integrations
 APPROVED

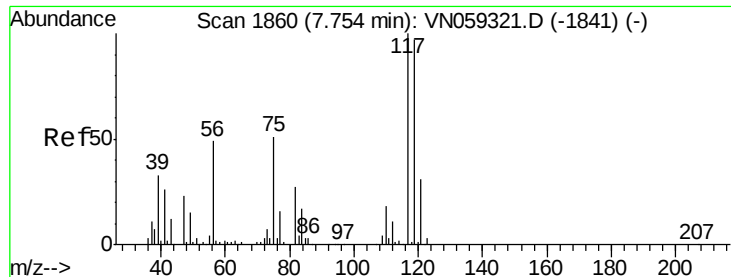
MMDadoda
 11/21/2019 11:07:32 AM



#37
 Ethyl Acetate
 Concen: 0.731 ug/l
 RT: 6.91 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.4	11.0	16.6#
70	3.2	8.8	13.2#





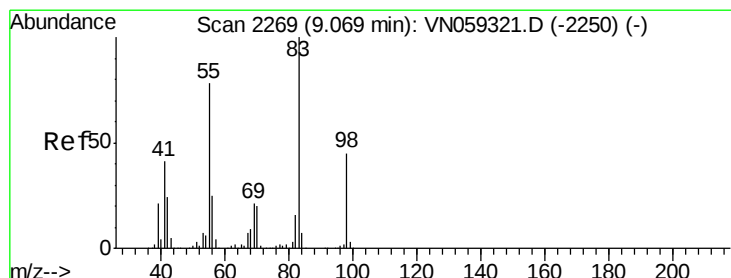
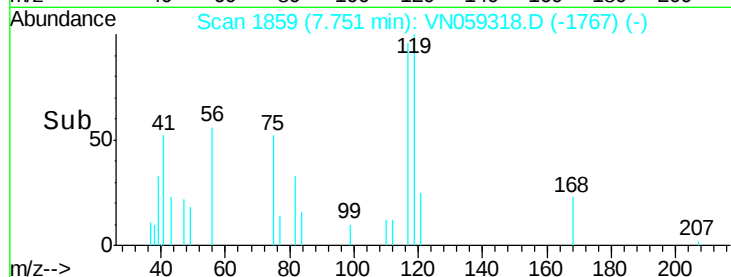
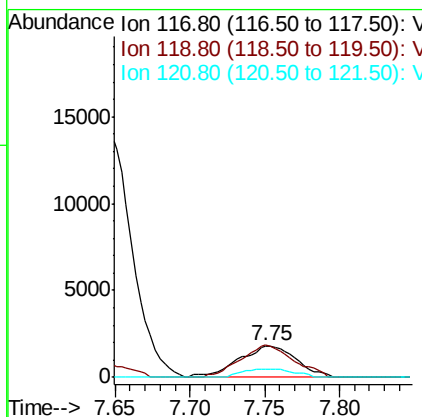
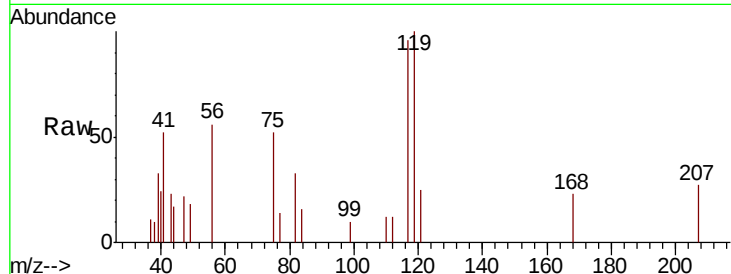
#38
Carbon Tetrachloride
Concen: 0.842 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	104.1	77.0	115.4
121	26.4	24.4	36.6

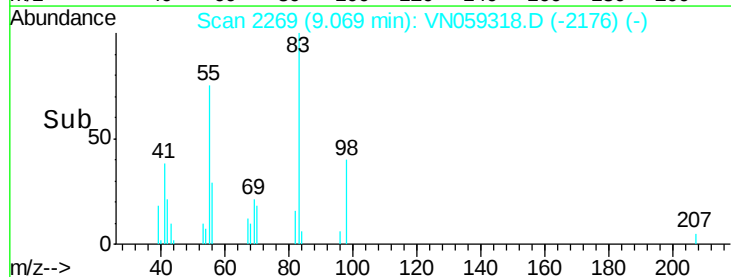
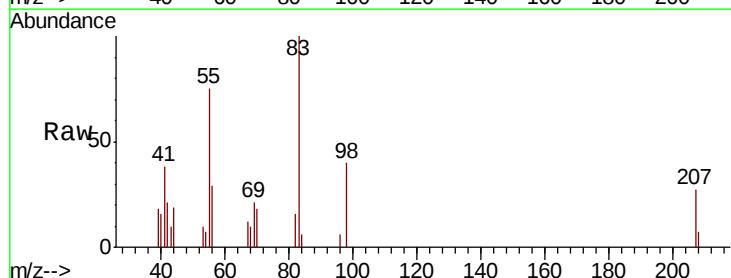
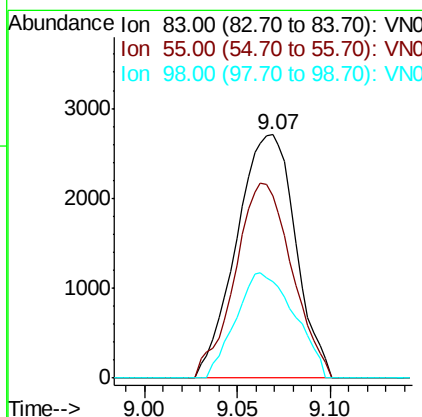
Manual Integrations
APPROVED

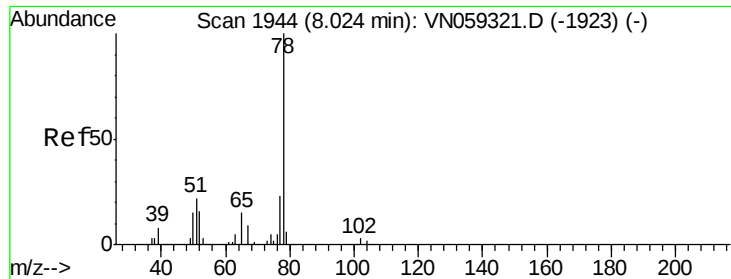
MMDadoda
11/21/2019 11:07:32 AM



#39
Methylcyclohexane
Concen: 0.832 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.7	62.3	93.5
98	39.8	36.0	54.0





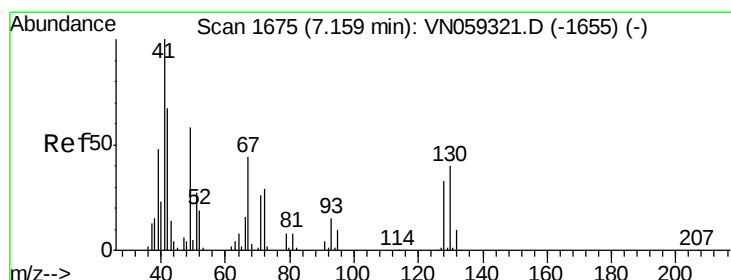
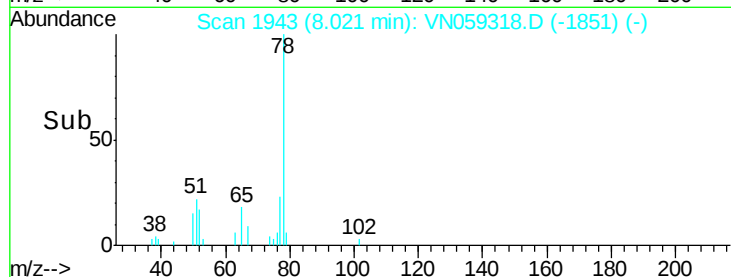
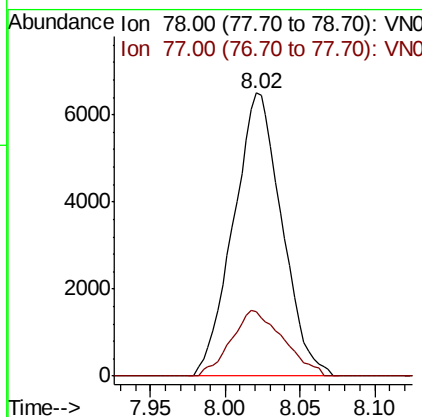
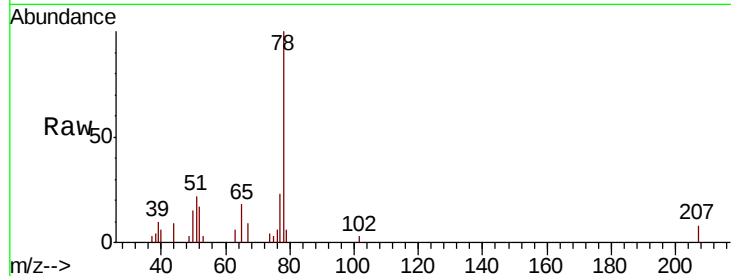
#40
Benzene
Concen: 0.832 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 14624
Ion Ratio Lower Upper
78 100
77 22.6 18.4 27.6

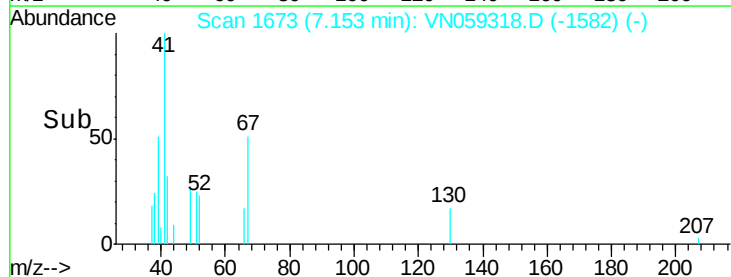
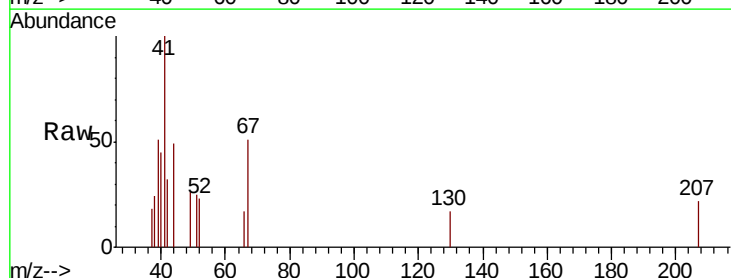
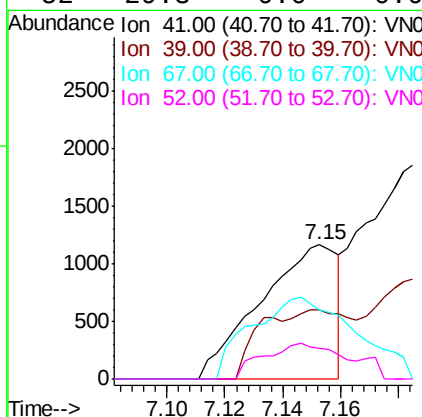
Manual Integrations
APPROVED

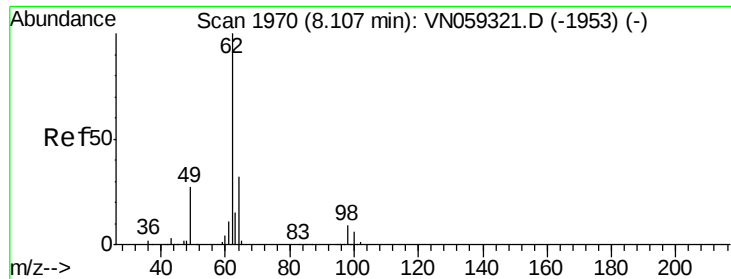
MMDadoda
11/21/2019 11:07:32 AM



#41
Methacrylonitrile
Concen: 0.757 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 41 Resp: 2163
Ion Ratio Lower Upper
41 100
39 20.1 0.0 0.0#
67 82.1 0.0 0.0#
52 29.3 0.0 0.0#





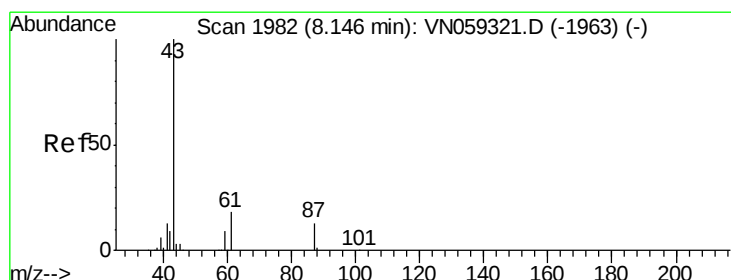
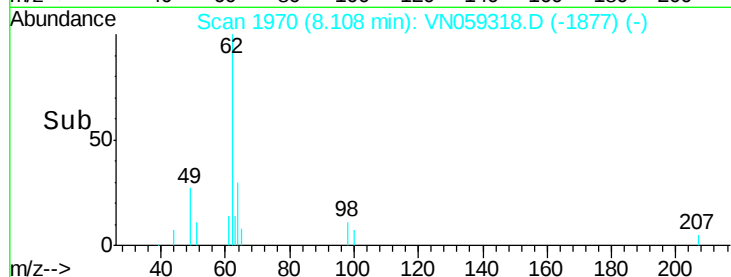
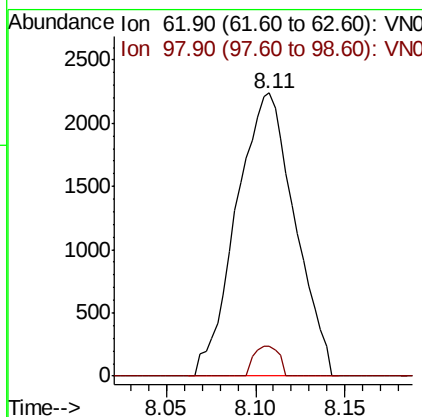
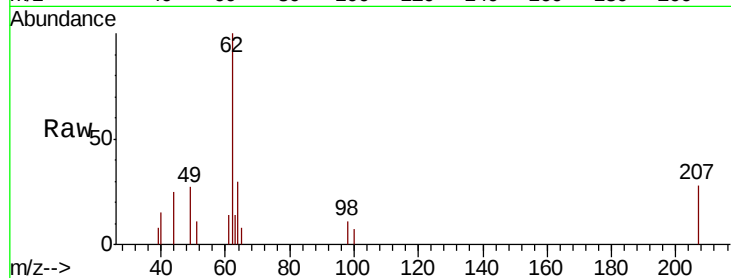
#42
 1,2-Dichloroethane
 Concen: 0.880 ug/l
 RT: 8.11 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	5111		
98	4.6	0.0	18.6	

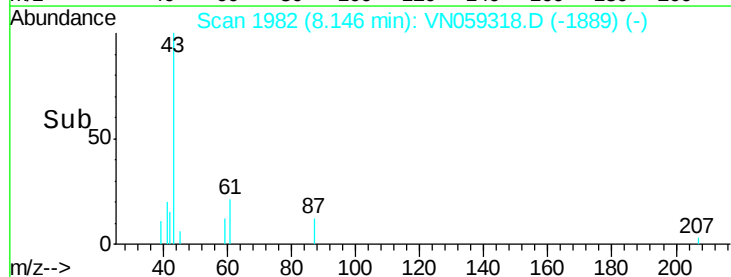
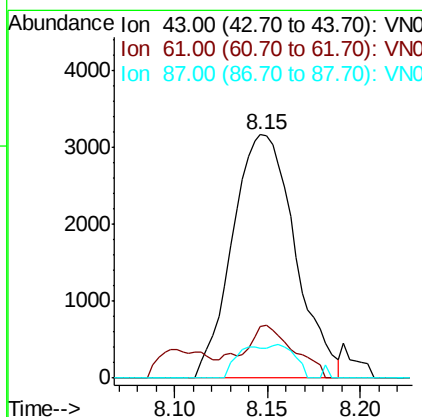
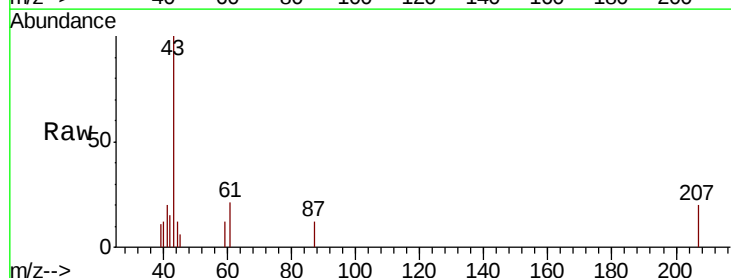
Manual Integrations
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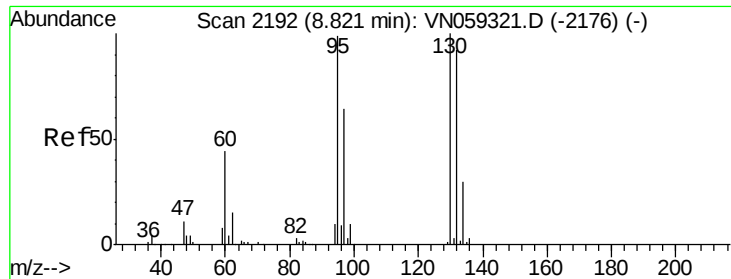
MMDadoda
 11/21/2019 11:07:32 AM



#43
 Isopropyl Acetate
 Concen: 0.754 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	7414		
61	17.7	21.7	32.5#	
87	5.4	10.2	15.4#	





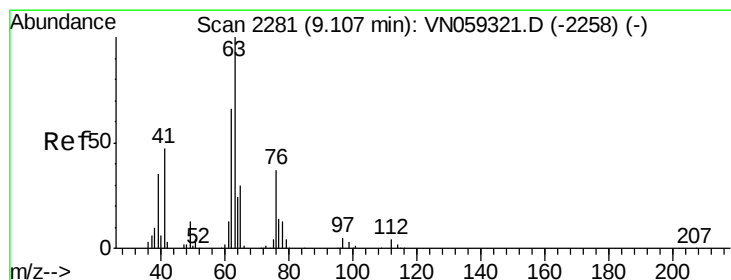
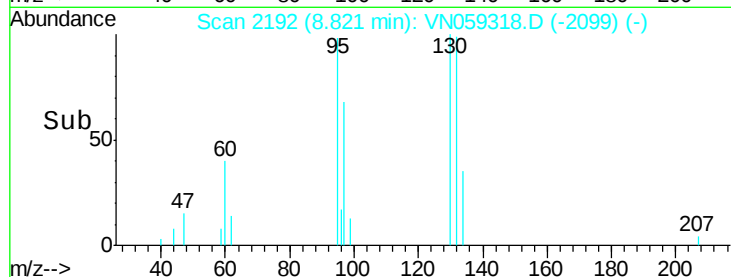
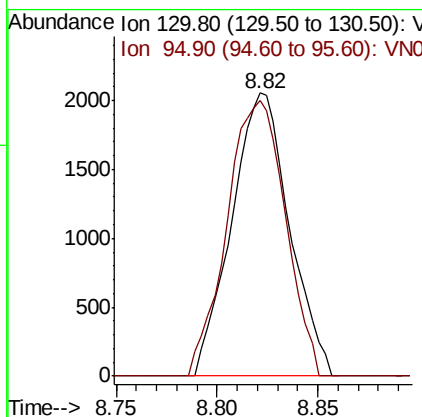
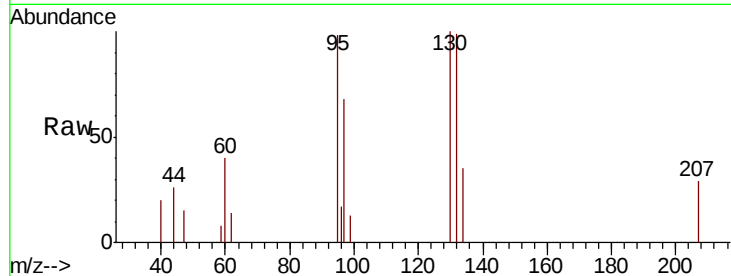
#44
 Trichloroethene
 Concen: 0.922 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 4105
 Ion Ratio Lower Upper
 130 100
 95 97.6 0.0 198.4

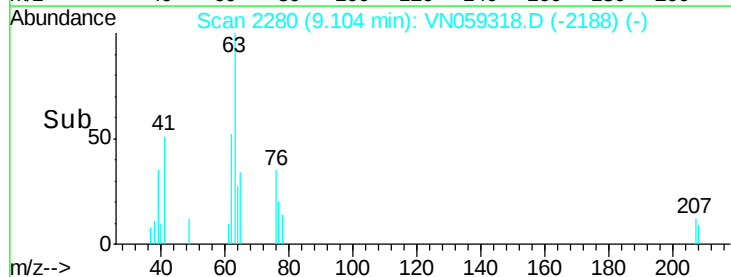
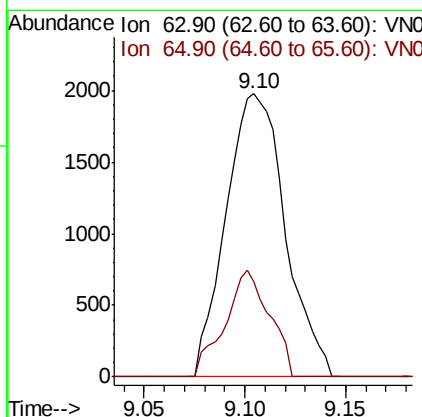
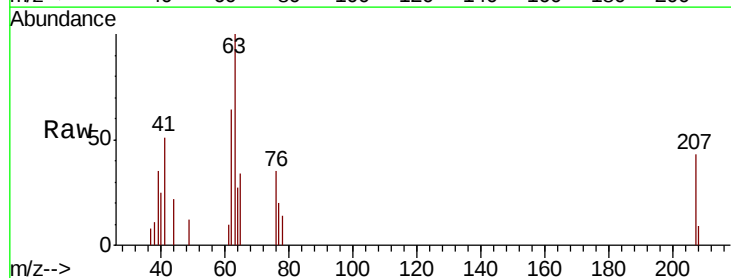
Manual Integrations
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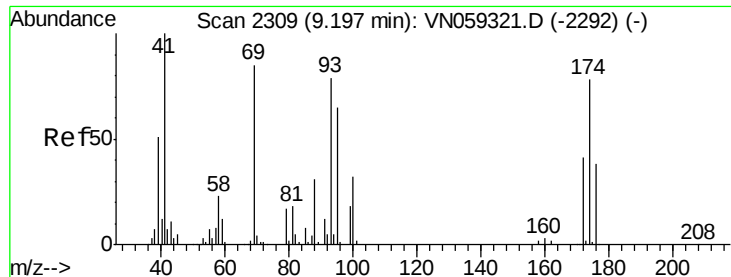
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 11/21/2019 11:07:32 AM



#45
 1,2-Dichloropropane
 Concen: 0.865 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion: 63 Resp: 4054
 Ion Ratio Lower Upper
 63 100
 65 33.7 23.9 35.9





#46

Dibromomethane

Concen: 0.840 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

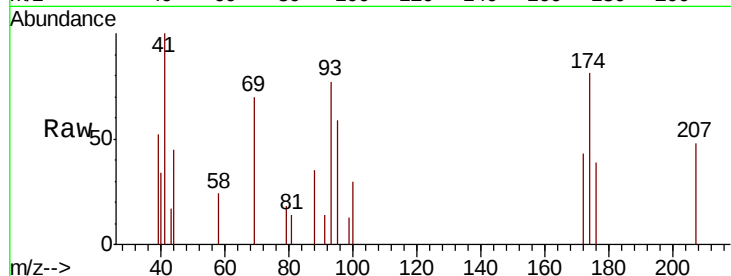
ClientSampleId :

VSTDIC001

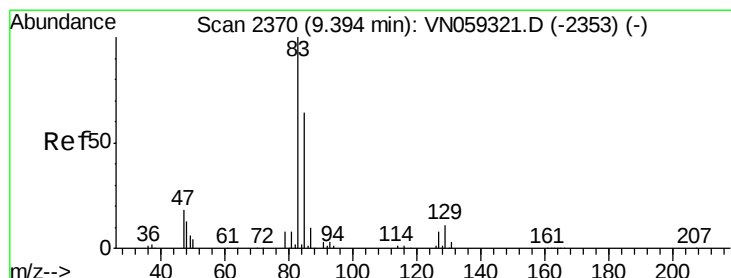
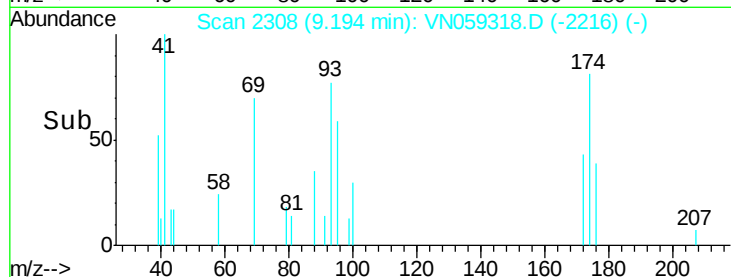
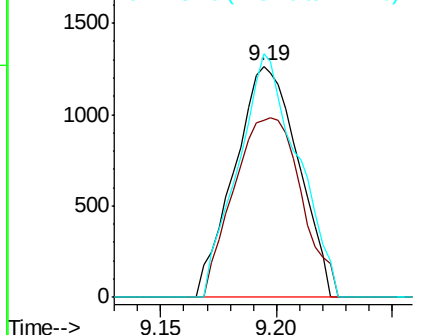
Tot Ion:	93	Resp:	2414
Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.9	100.3
174	99.1	80.6	120.8

Manual Integrations
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MMDadoda
11/21/2019 11:07:32 AM



Abundance Ion 92.80 (92.50 to 93.50): VN059318.D (-2216) (-)



#47

Bromodichloromethane

Concen: 0.847 ug/l

RT: 9.39 min Scan# 2369

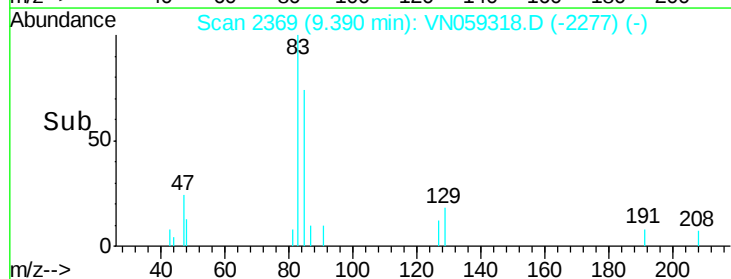
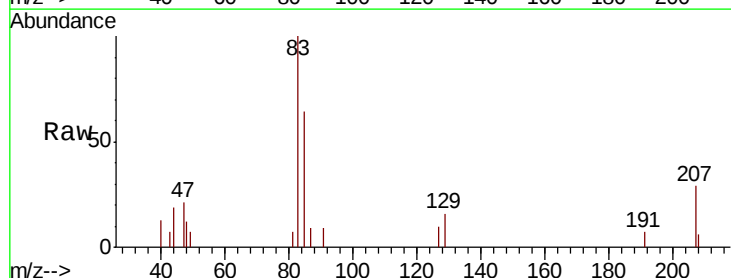
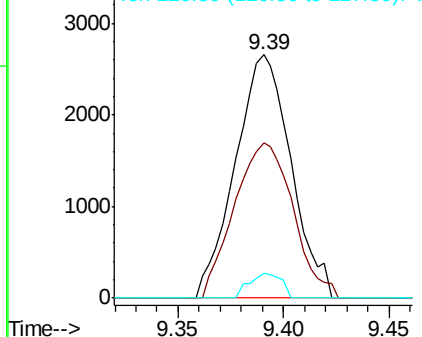
Delta R.T. -0.00 min

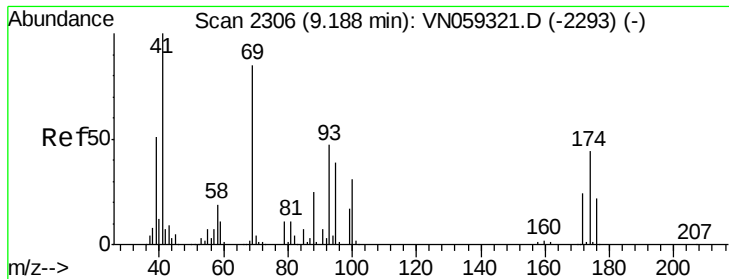
Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Tgt Ion:	83	Resp:	4876
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.5	77.3
127	10.0	6.6	10.0#

Abundance Ion 82.90 (82.60 to 83.60): VN059318.D (-2277) (-)





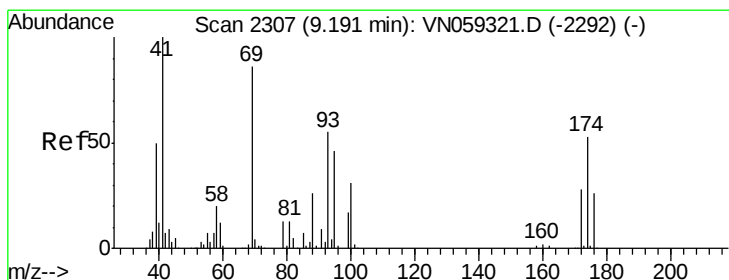
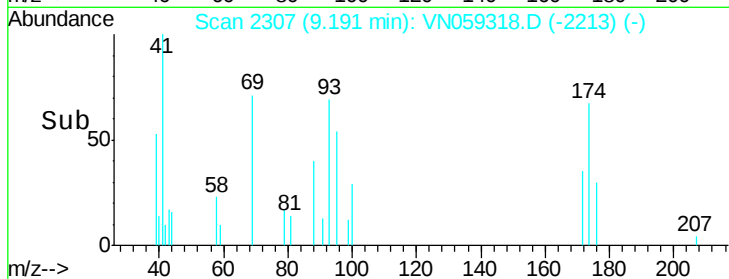
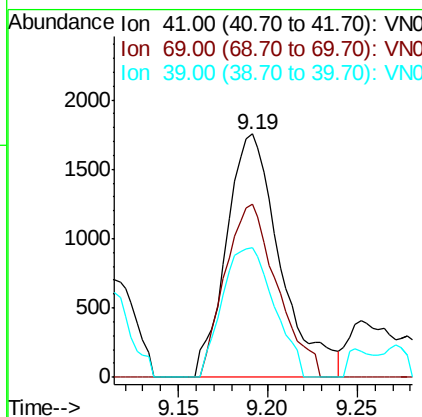
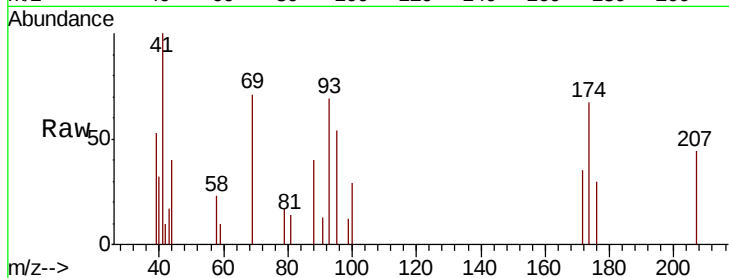
#48
Methvl methacrylate
Concen: 0.826 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	68.7	68.8	103.2#
39	51.2	42.1	63.1

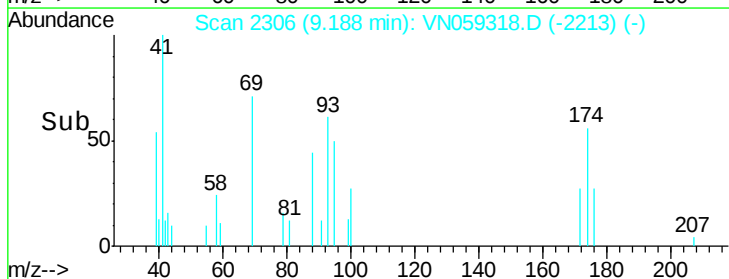
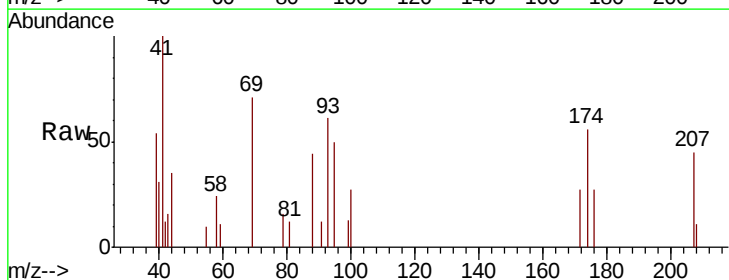
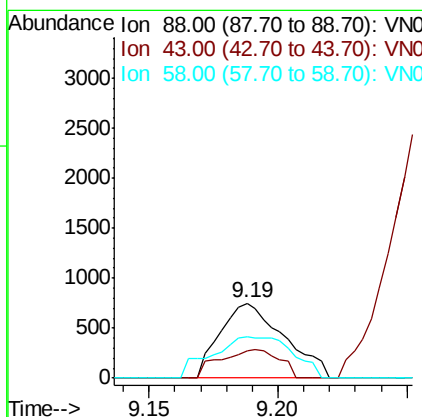
Manual Integrations
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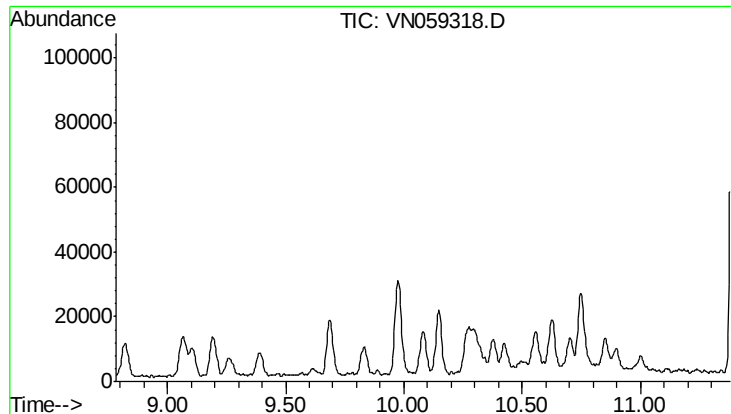
MMDadoda
11/21/2019 11:07:32 AM



#49
1,4-Dioxane
Concen: 19.181 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.7	26.9	40.3
58	69.9	59.2	88.8





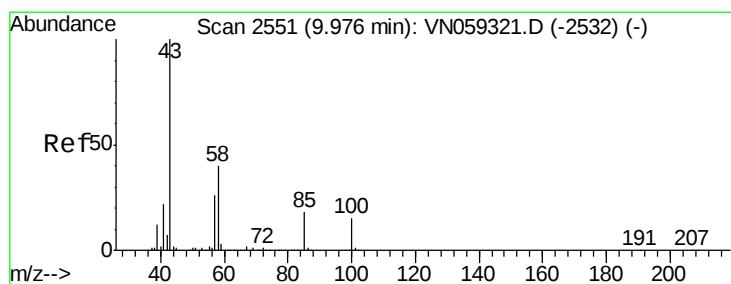
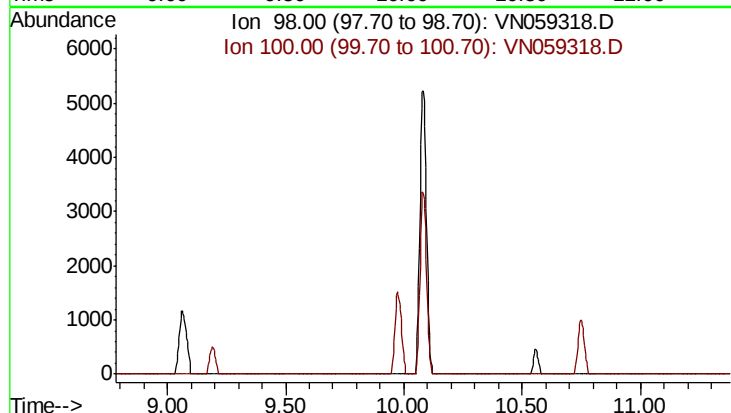
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.08 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.6

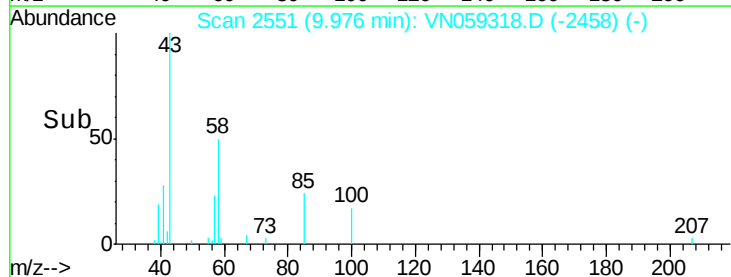
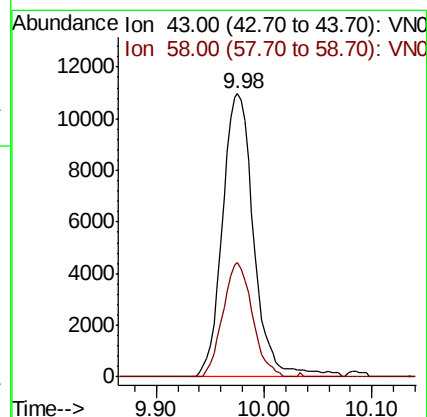
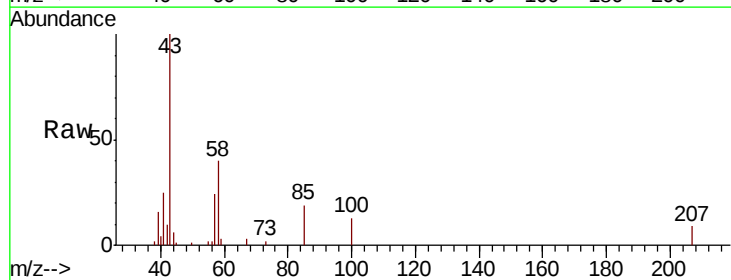
Manual Integrations
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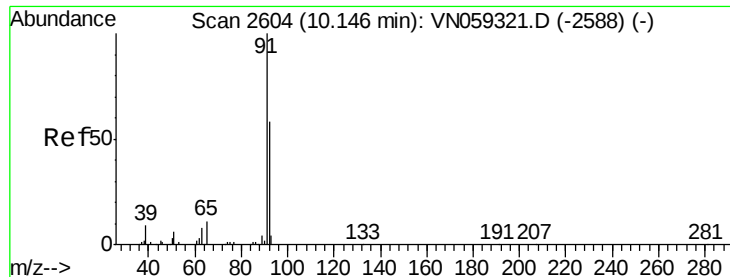
MMDadoda
11/21/2019 11:07:32 AM



#51
4-Methyl-2-Pentanone
Concen: 3.851 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 43 Resp: 22164
Ion Ratio Lower Upper
43 100
58 37.8 31.8 47.8





#52

Toluene

Concen: 0.811 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 8566

Ion Ratio Lower Upper

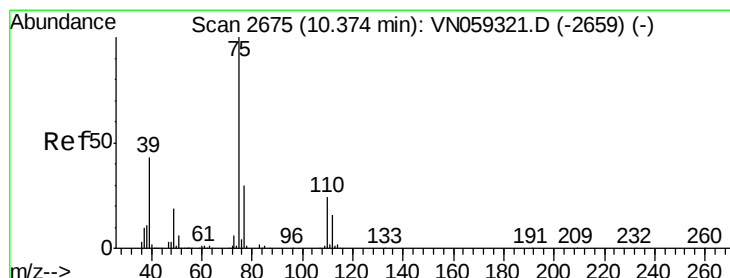
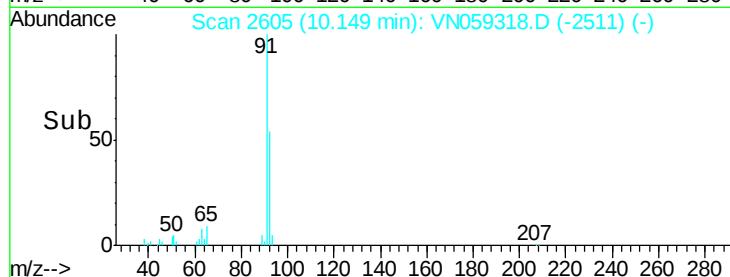
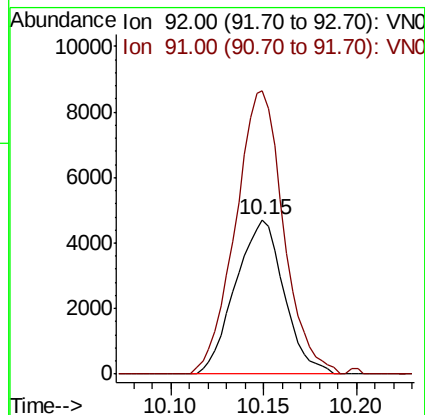
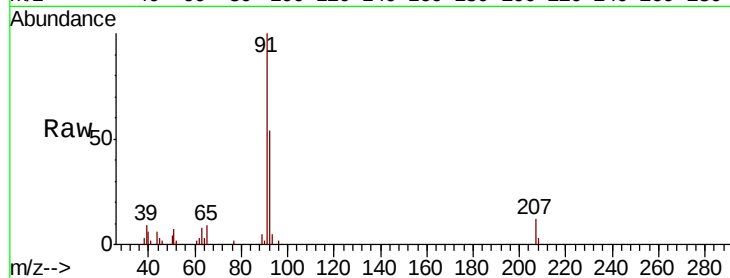
92 100

91 181.6 137.9 206.9

Manual Integrations
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#53

t-1,3-Dichloropropene

Concen: 0.797 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059318.D

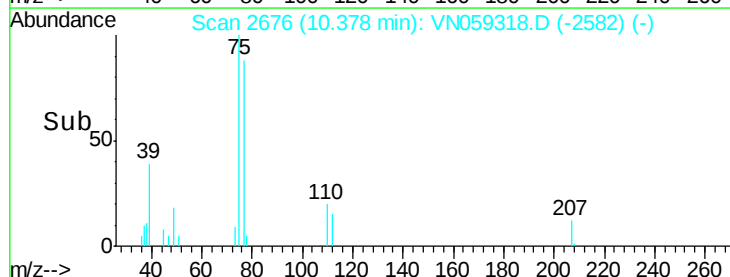
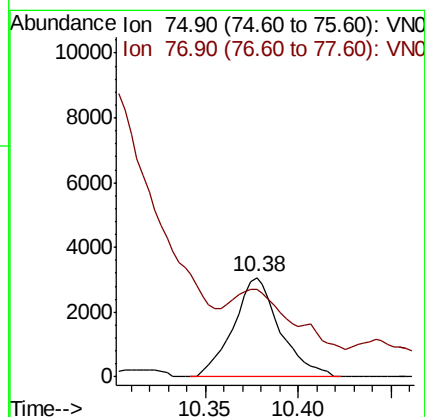
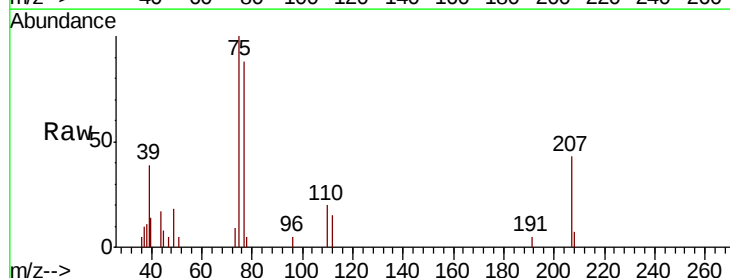
Acq: 20 Nov 2019 11:25

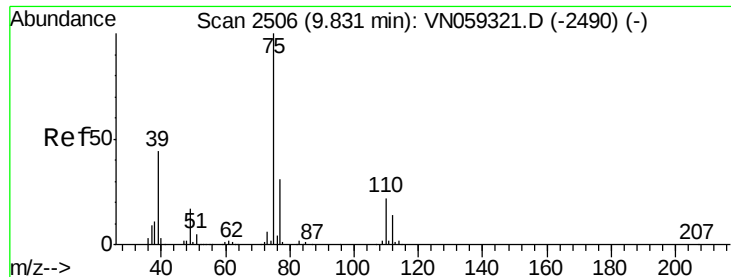
Tgt Ion: 75 Resp: 5330

Ion Ratio Lower Upper

75 100

77 57.9 25.5 38.3#





#54

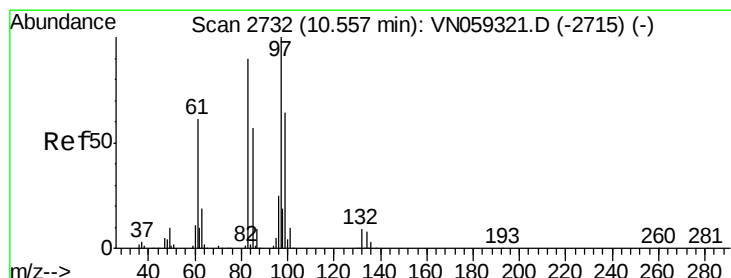
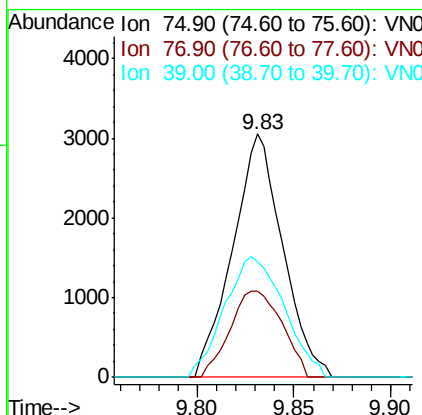
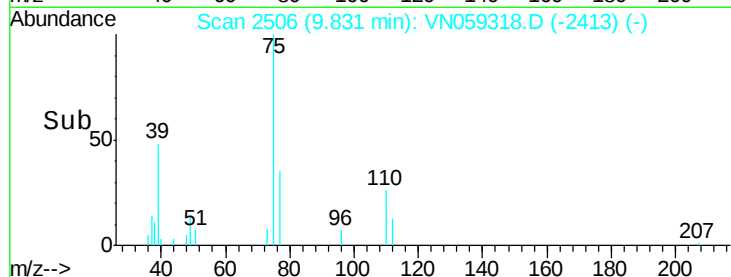
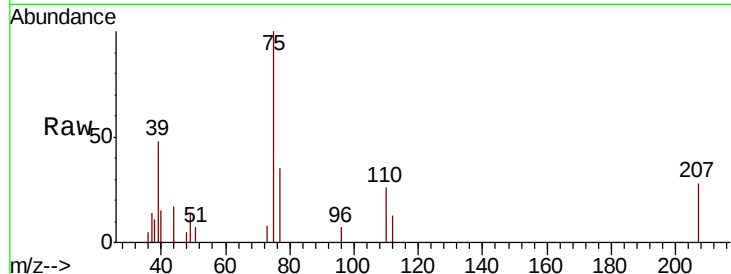
cis-1,3-Dichloropropene
 Concen: 0.757 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.5	25.0	37.4
39	47.7	35.5	53.3

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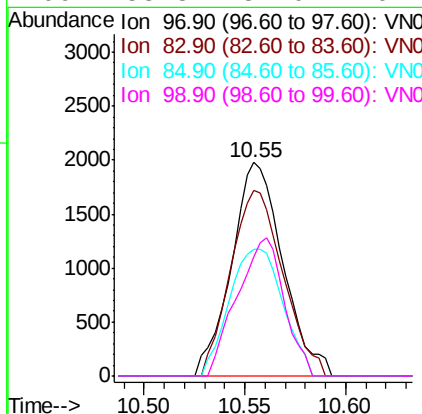
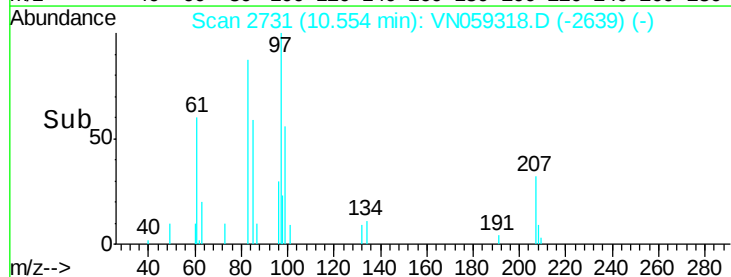
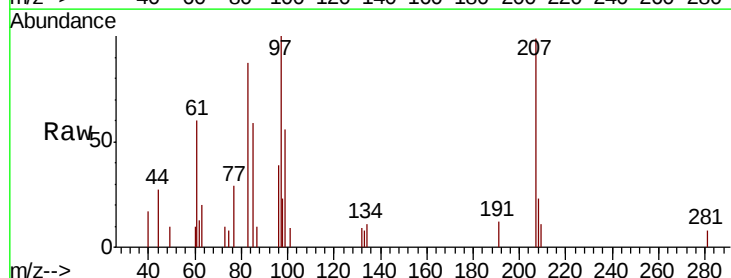
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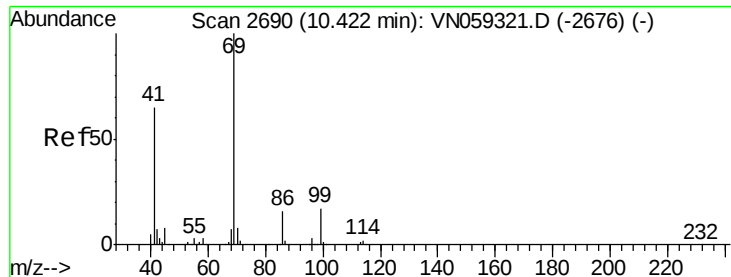


#55

1,1,2-Trichloroethane
 Concen: 0.857 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	72.0	108.0
85	59.2	45.8	68.6
99	55.8	51.0	76.4





#56

Ethyl methacrylate

Concen: 2.788 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

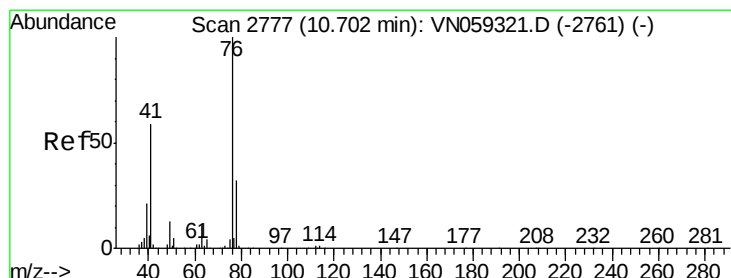
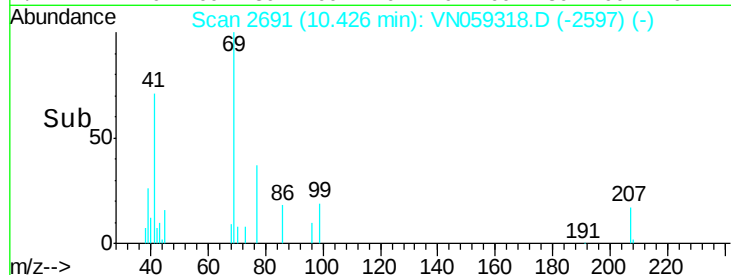
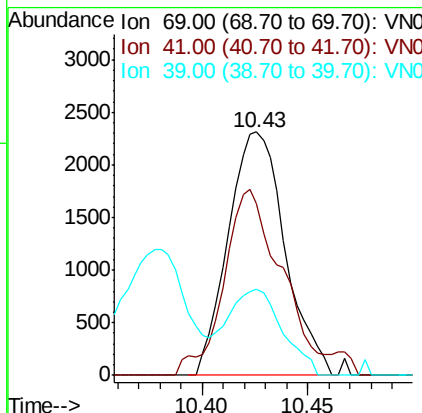
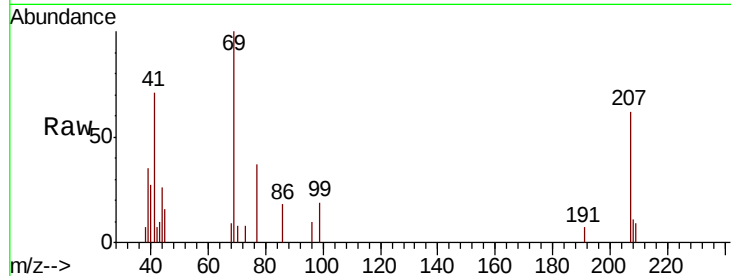
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4323
Ion	Ratio	Lower	Upper
69	100		
41	77.1	51.7	77.5
39	34.7	25.2	37.8

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.837 ug/l

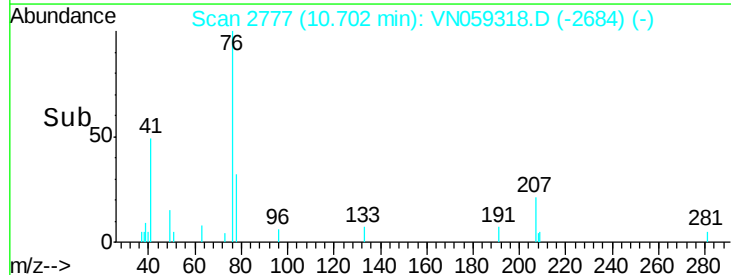
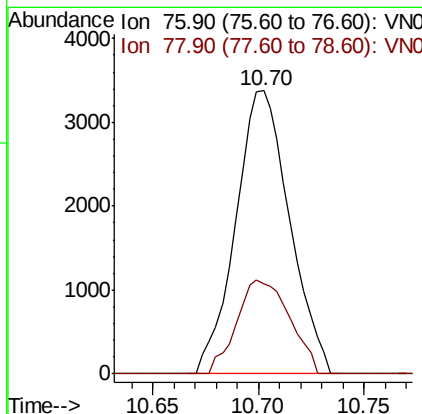
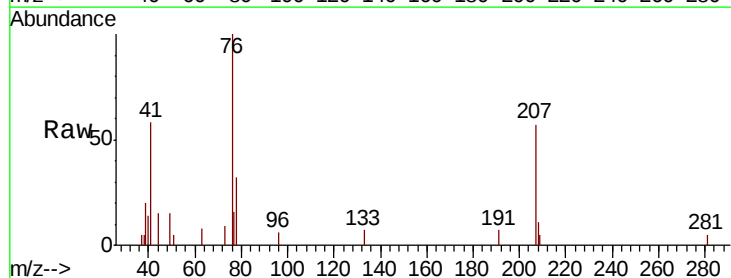
RT: 10.70 min Scan# 2777

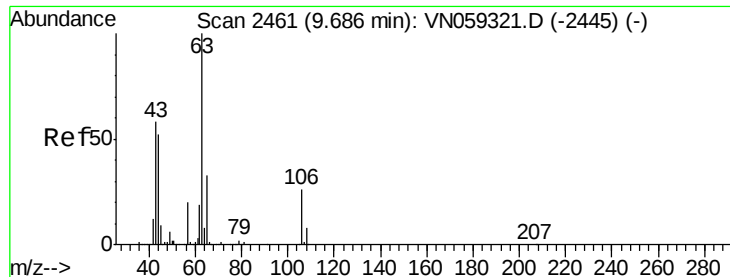
Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Tgt Ion:	76	Resp:	5993
Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0





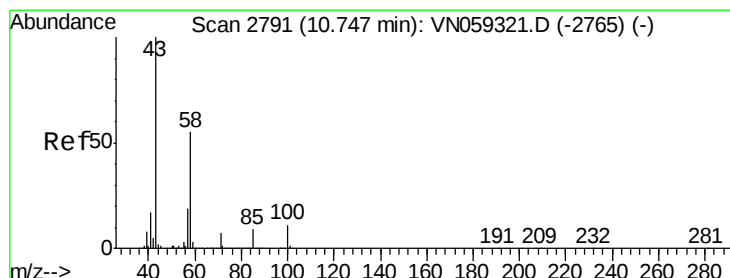
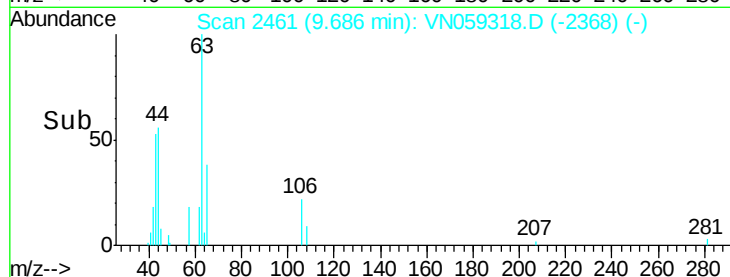
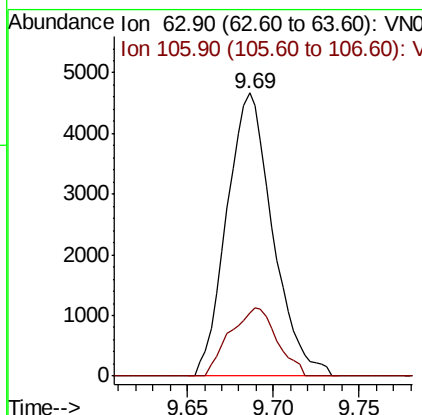
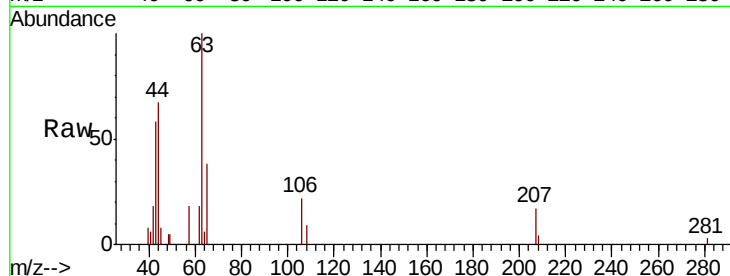
#58
2-Chloroethyl Vinyl ether
Concen: 25.883 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 8684
Ion Ratio Lower Upper
63 100
106 24.5 20.5 30.7

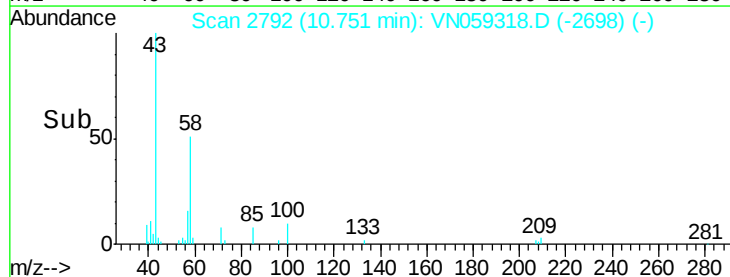
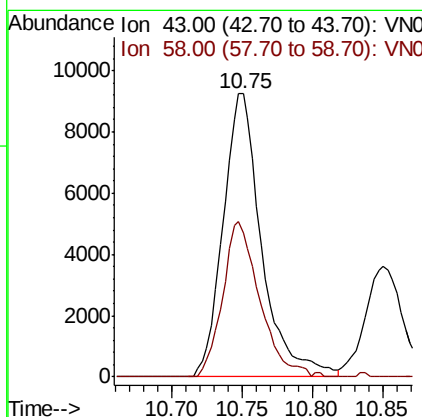
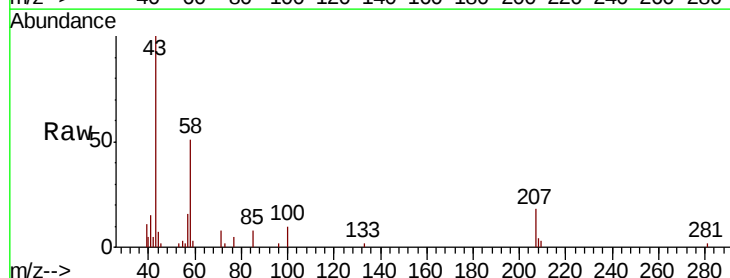
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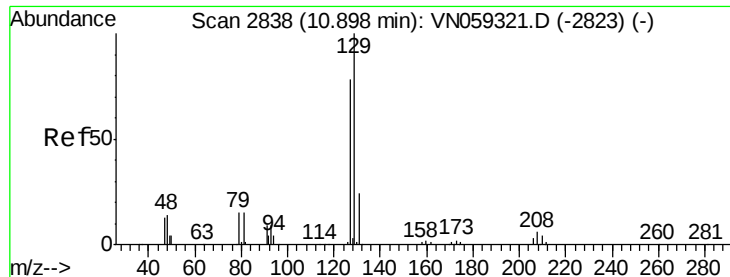
MMDadoda
11/21/2019 11:07:32 AM



#59
2-Hexanone
Concen: 4.182 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion: 43 Resp: 17624
Ion Ratio Lower Upper
43 100
58 52.4 27.7 83.0





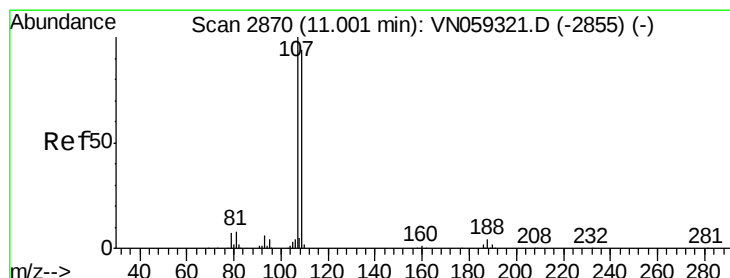
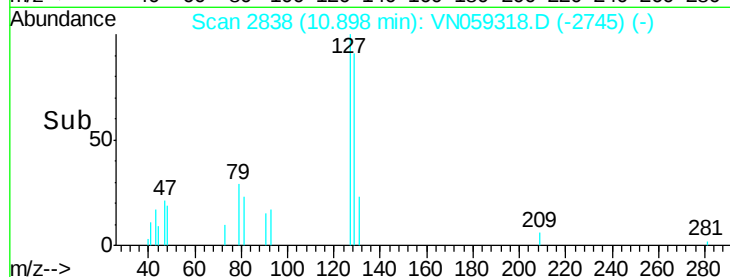
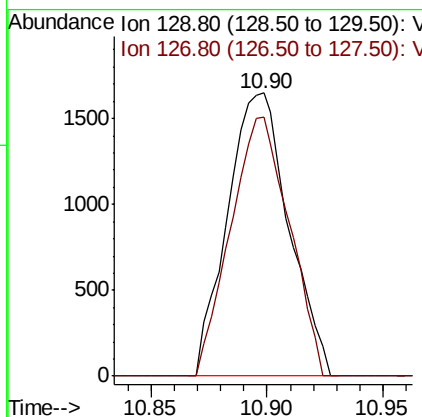
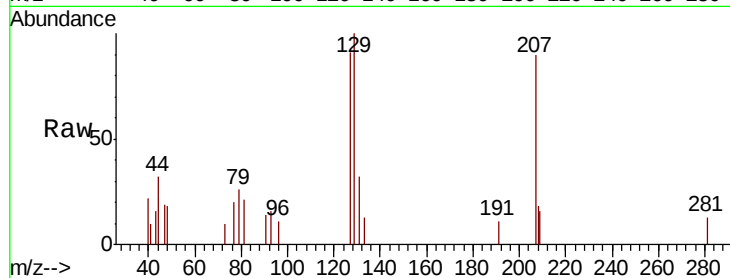
#60
Dibromochloromethane
Concen: 0.700 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	87.6	38.5	115.5

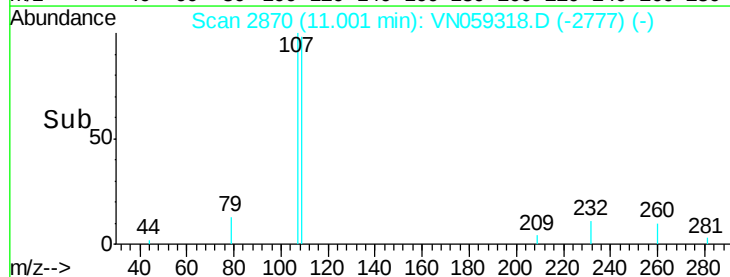
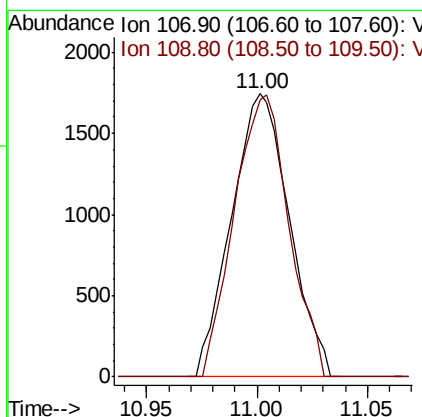
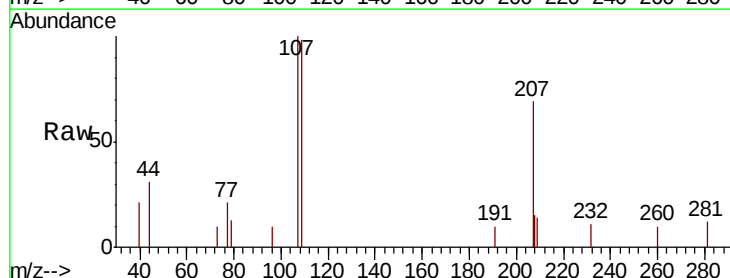
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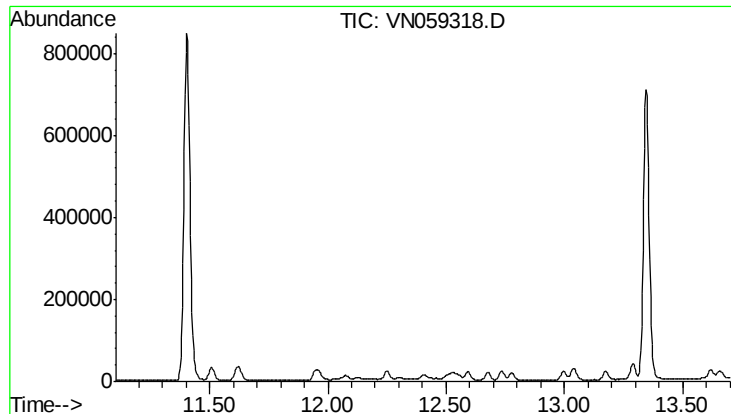
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#61
1,2-Dibromoethane
Concen: 0.741 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.2





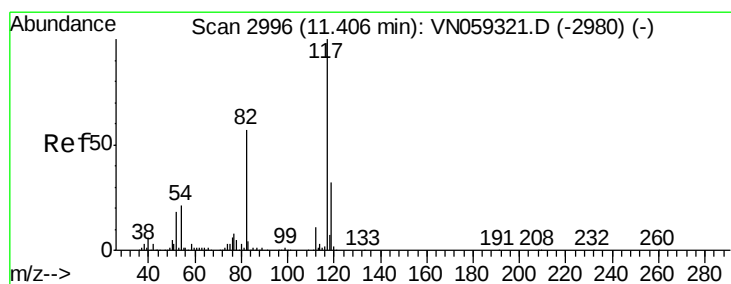
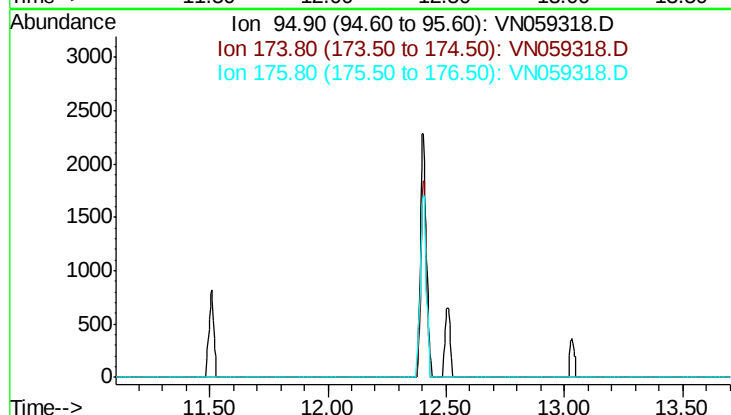
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	78.7
176	75.6

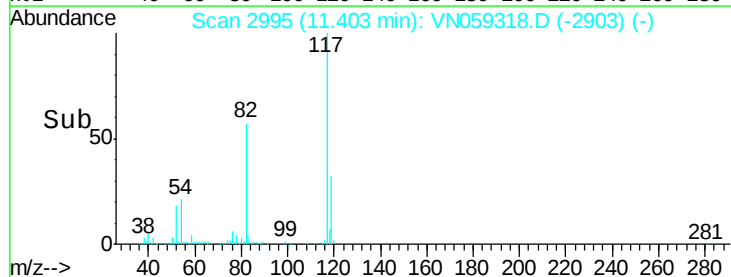
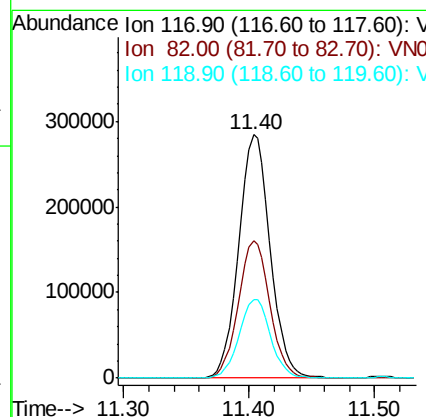
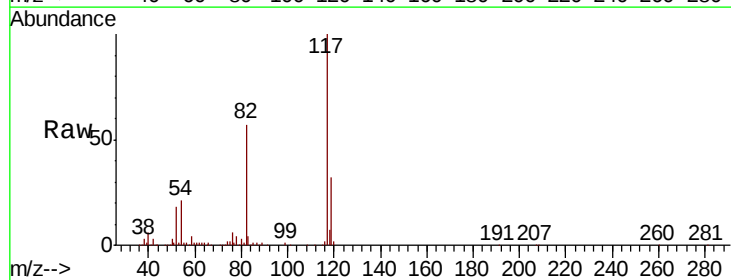
Manual Integrations
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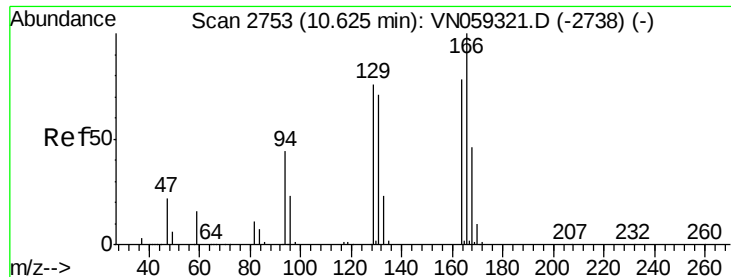
MMDadoda
 11/21/2019 11:07:32 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.40 min Scan# 2995
 Delta R.T. -0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion	117	Resp	495648
Ion Ratio	Lower	Upper	
117	100		
82	56.5	45.7	68.5
119	32.3	25.8	38.6





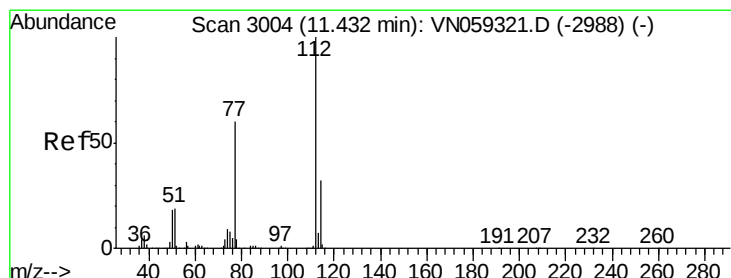
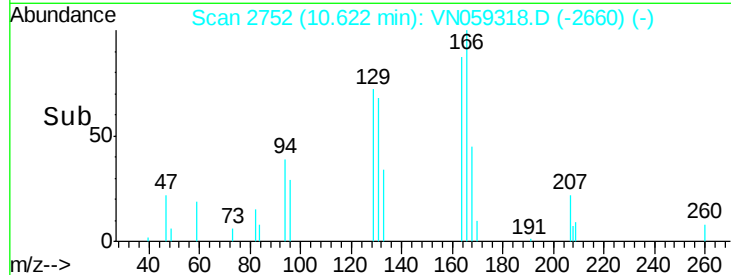
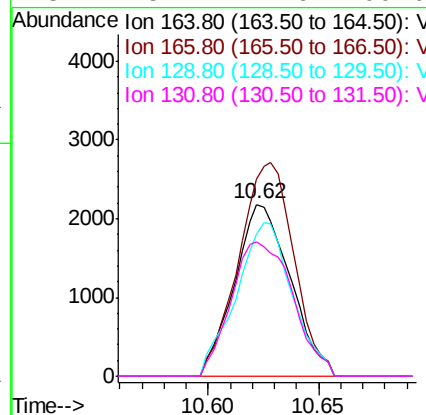
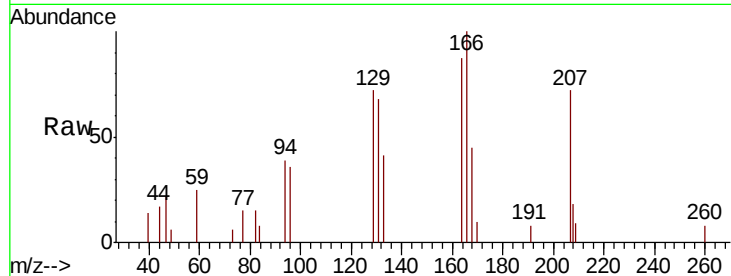
#64
Tetrachloroethene
Concen: 0.995 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	114.8	102.9	154.3
129	82.9	78.2	117.2
131	78.1	72.6	109.0

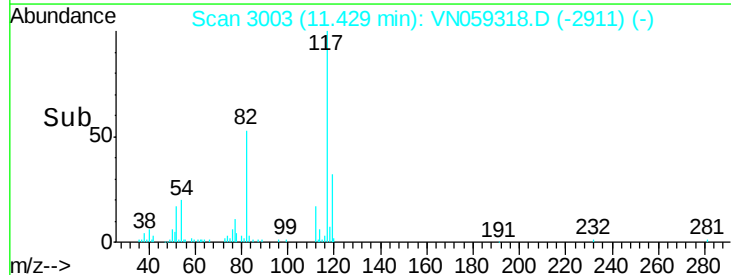
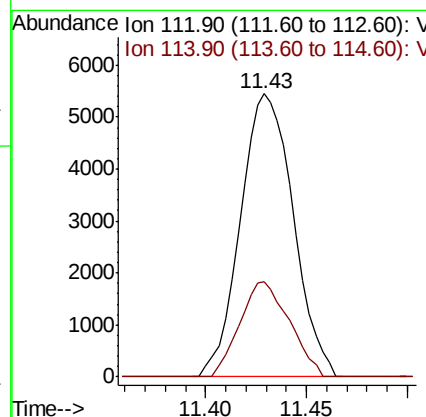
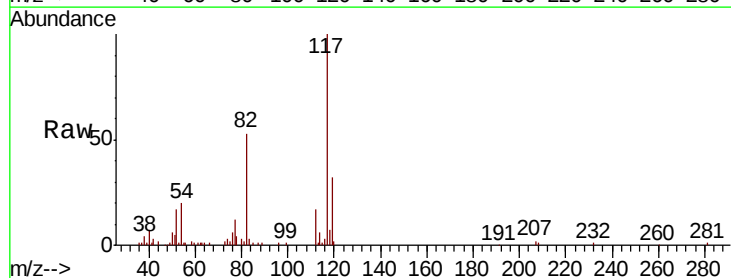
Manual Integrations
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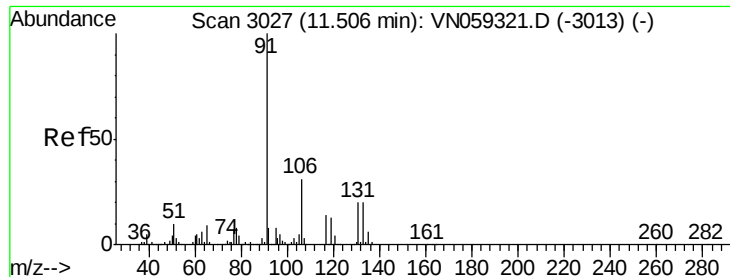
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#65
Chlorobenzene
Concen: 0.936 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.9	25.8	38.6





#66

1,1,1,2-Tetrachloroethane

Concen: 0.724 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

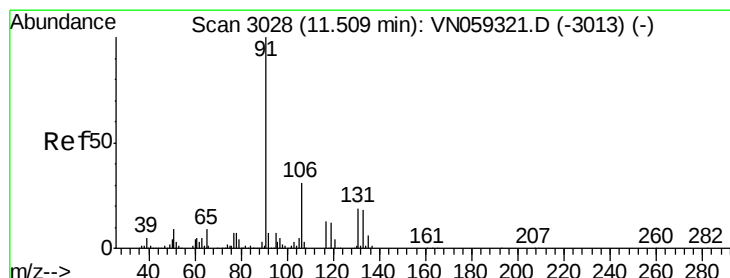
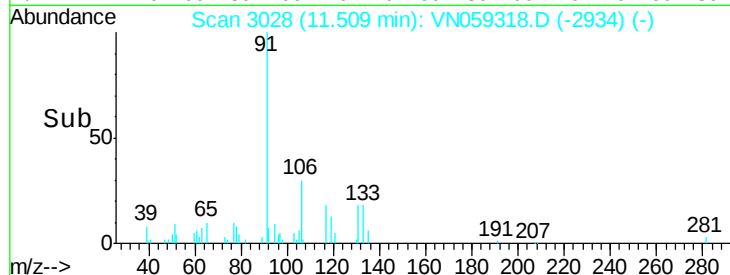
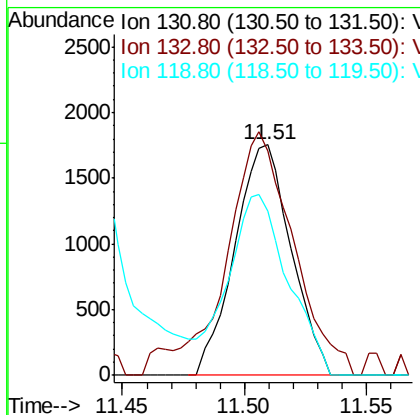
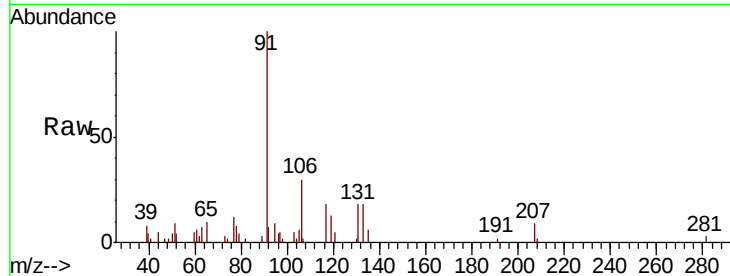
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	128.3	48.2	144.6
119	0.0	33.6	100.6

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#67

Ethyl Benzene

Concen: 0.838 ug/l

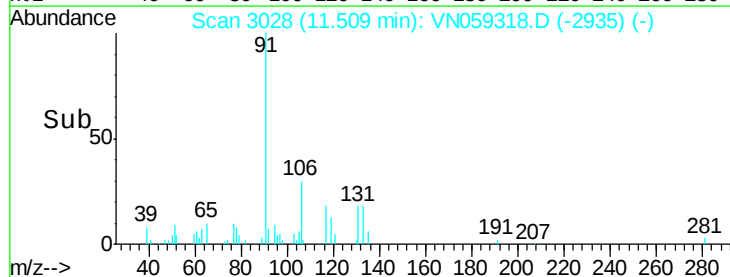
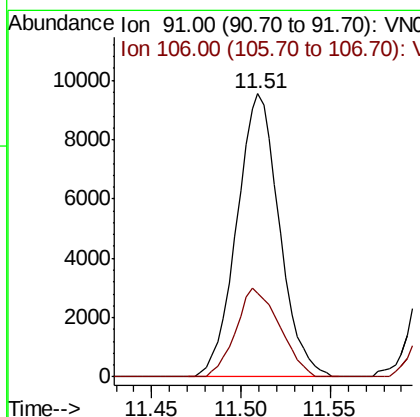
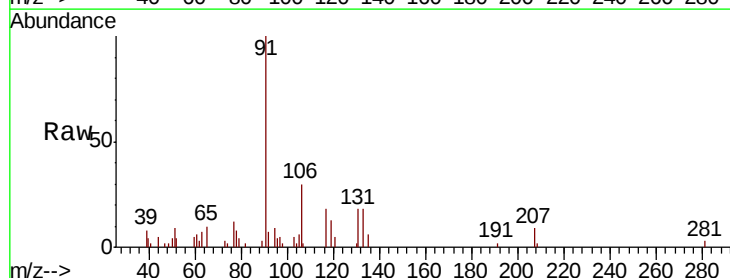
RT: 11.51 min Scan# 3028

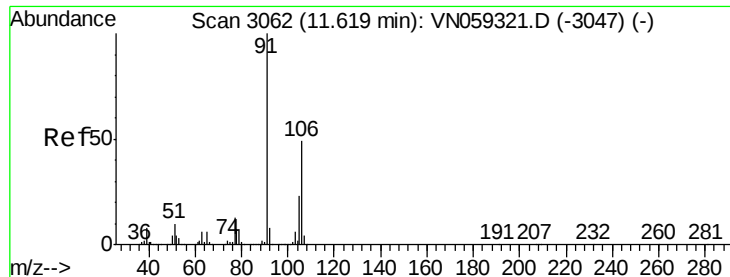
Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.6	37.0





#68

m/p-Xylenes

Concen: 1.655 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:106 Resp: 11703

Ion Ratio Lower Upper

106 100

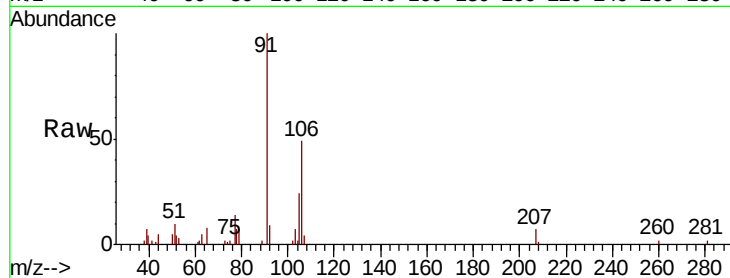
91 213.5 163.2 244.8

Manual Integrations

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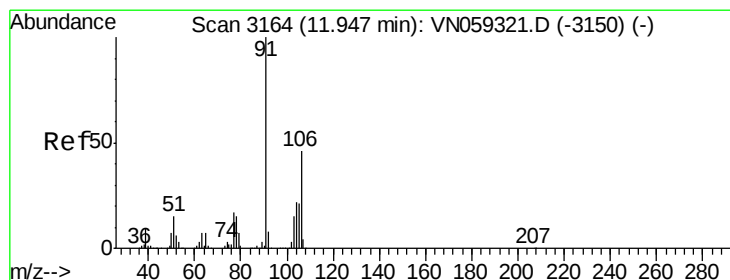
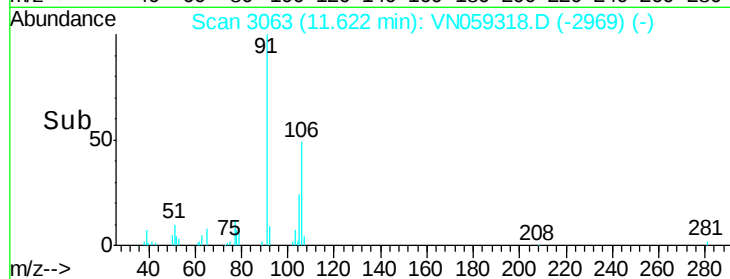
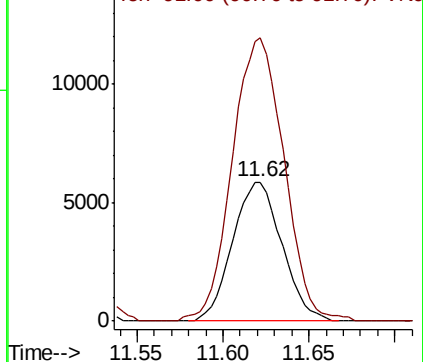
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.818 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059318.D

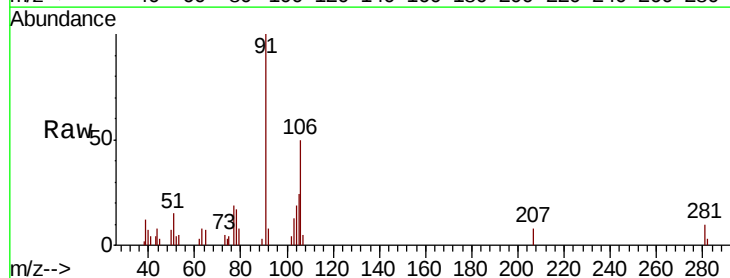
Acq: 20 Nov 2019 11:25

Tgt Ion:106 Resp: 5538

Ion Ratio Lower Upper

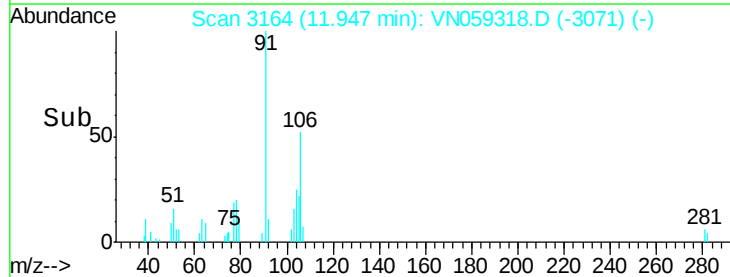
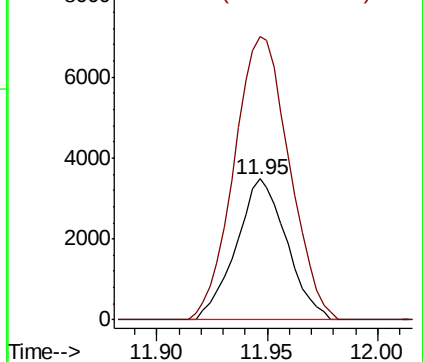
106 100

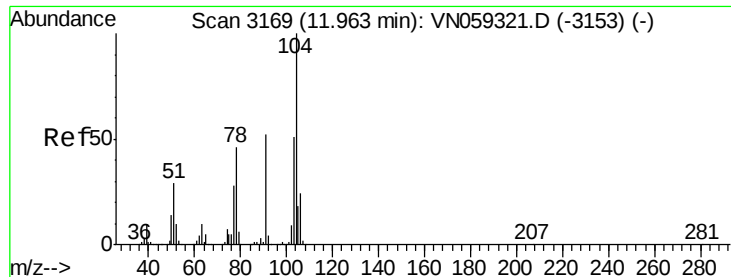
91 219.9 109.3 327.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





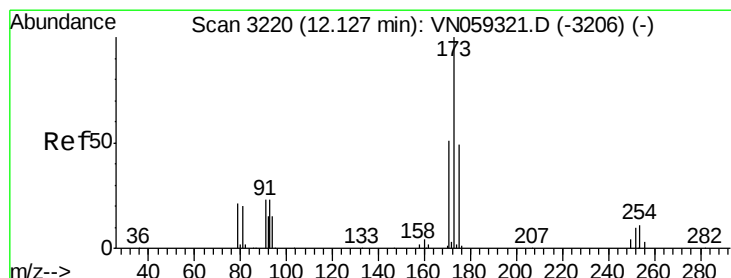
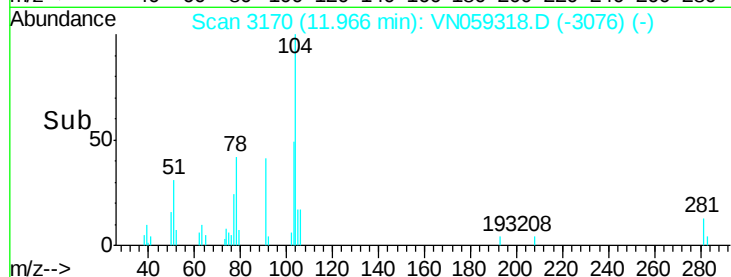
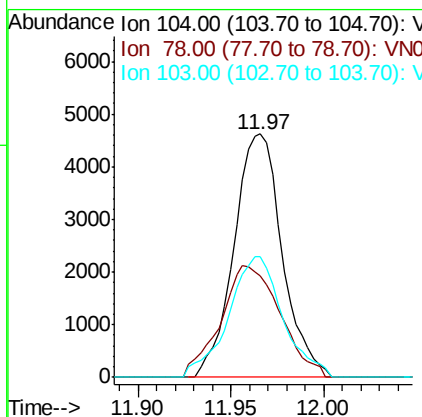
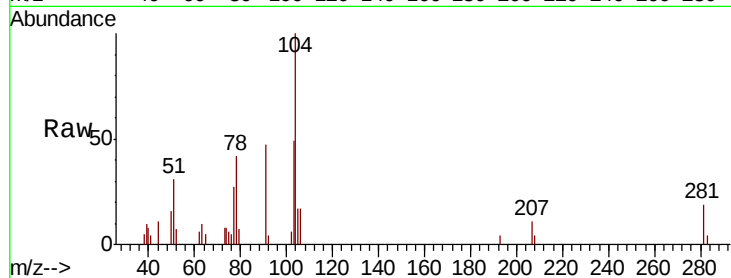
#70
Stvrene
Concen: 0.782 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.5	40.3	60.5
103	55.8	43.6	65.4

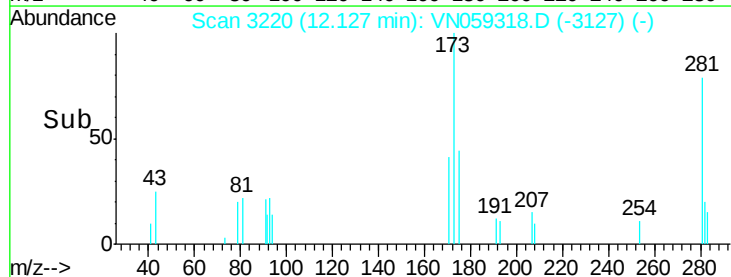
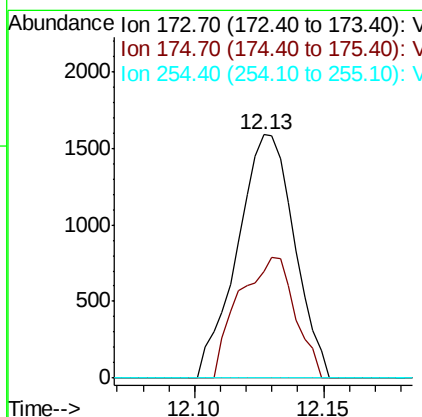
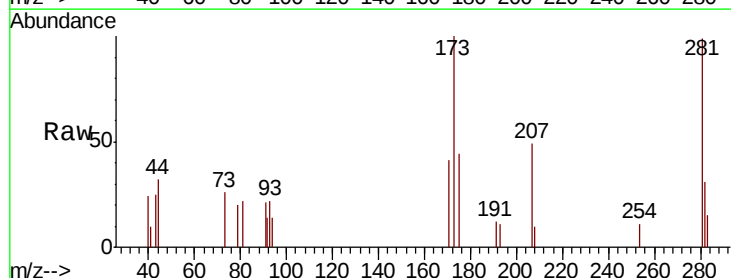
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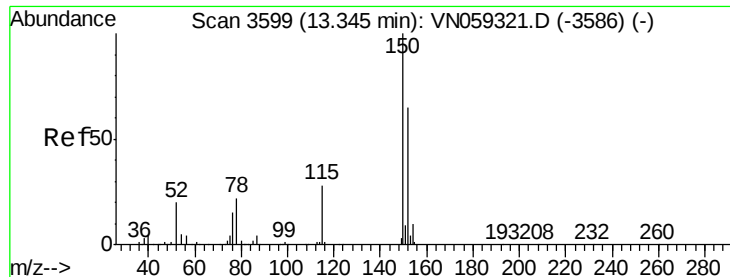
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#71
Bromoform
Concen: 0.835 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.6
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

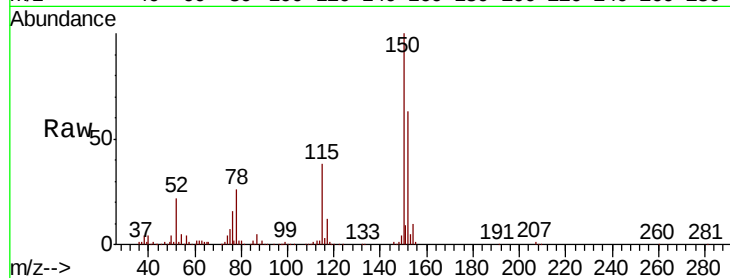
ClientSampleId :

VSTDIC001

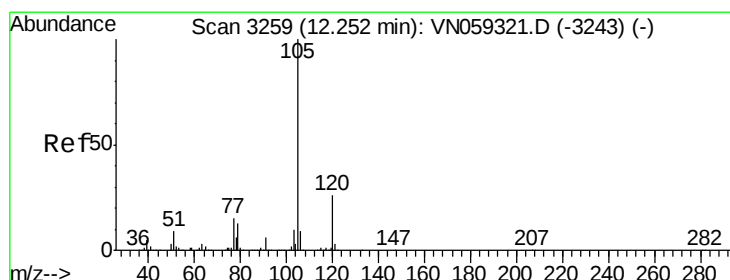
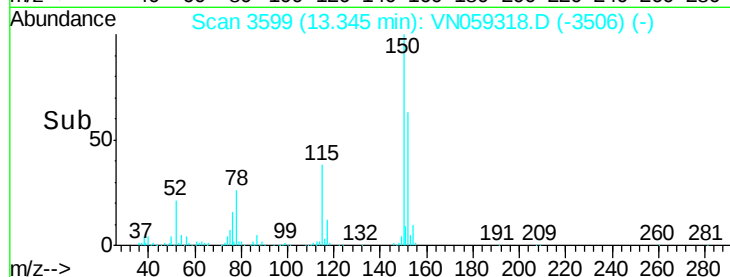
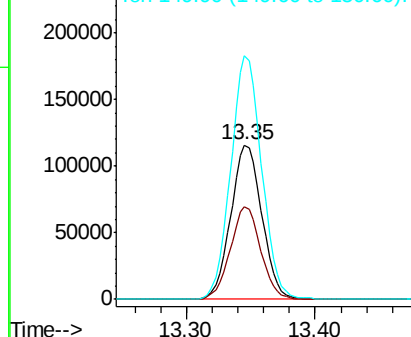
Tot Ion:	152	Resp:	194306
Ion Ratio	Lower	Upper	
152	100		
115	57.9	29.3	88.0
150	156.0	0.0	346.0

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.944 ug/l

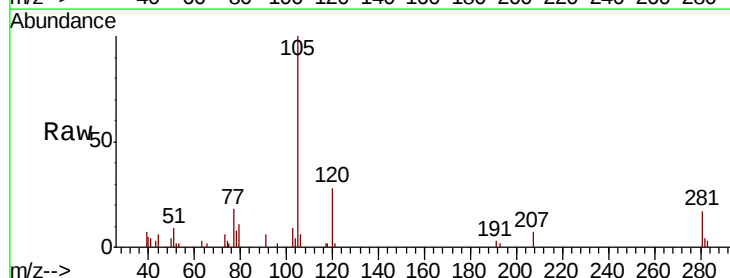
RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

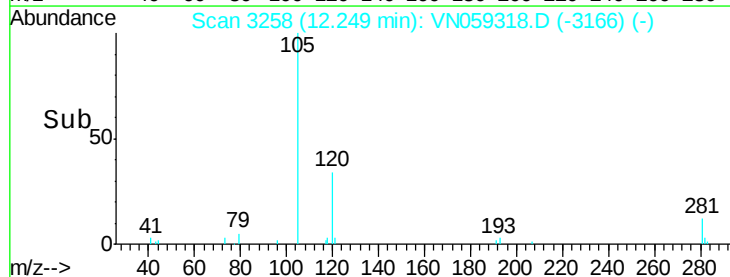
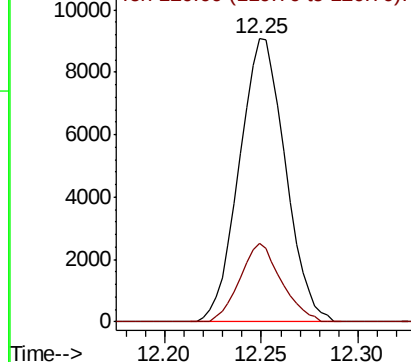
Lab File: VN059318.D

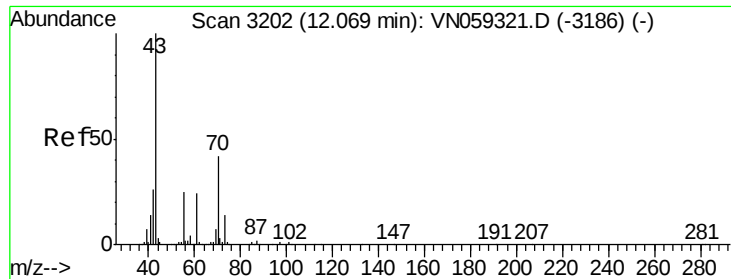
Acq: 20 Nov 2019 11:25

Tgt Ion:	105	Resp:	15033
Ion Ratio	Lower	Upper	
105	100		
120	24.9	13.1	39.3



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





#74

N-amvl acetate

Concen: 0.978 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 6258

Ion Ratio Lower Upper

43 100

70 36.0 33.8 50.6

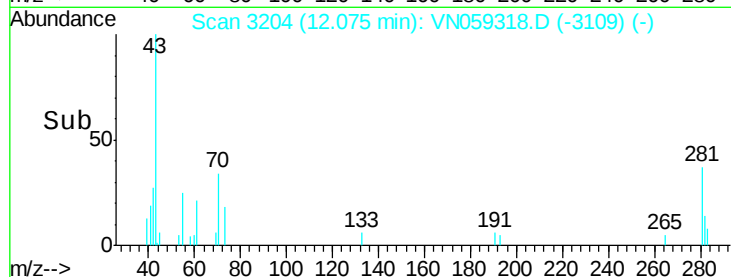
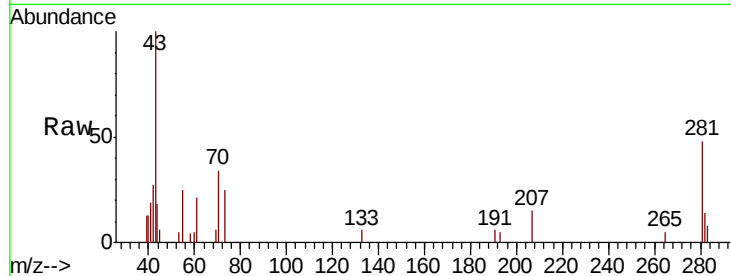
55 25.1 20.3 30.5

61 18.9 19.9 29.9#

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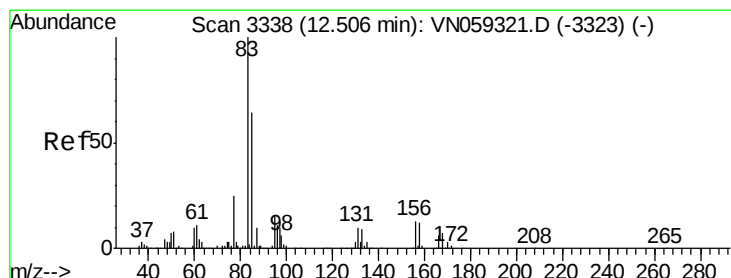
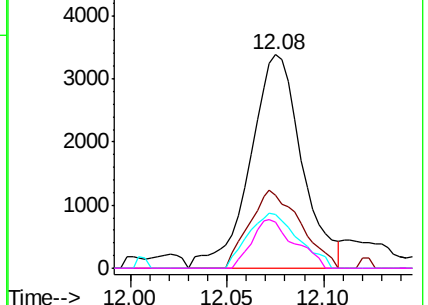
Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.972 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

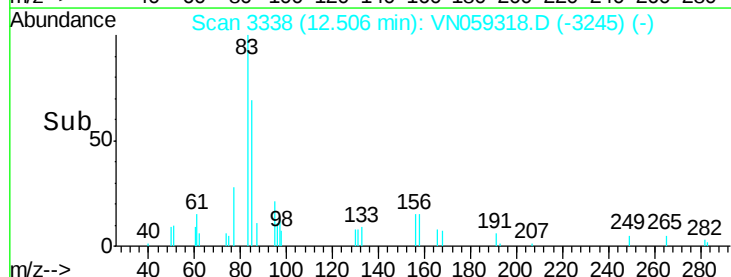
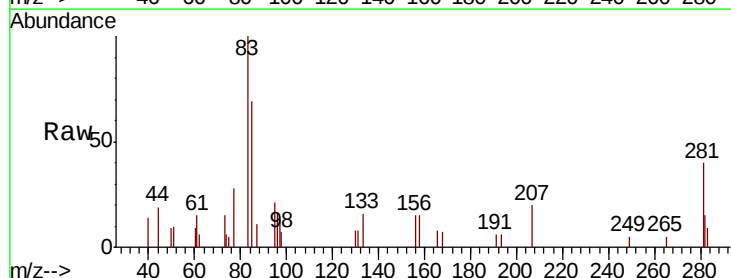
Tgt Ion: 83 Resp: 5120

Ion Ratio Lower Upper

83 100

131 7.5 5.0 14.9

85 68.0 32.1 96.3

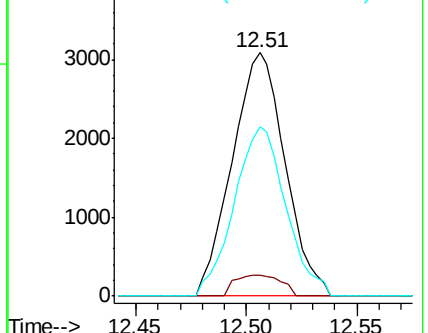


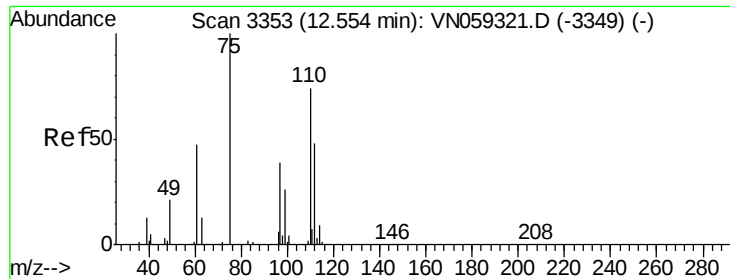
Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





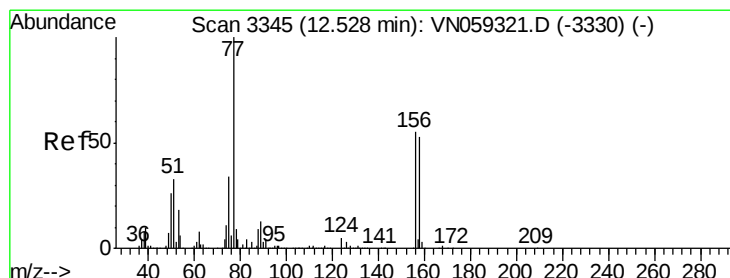
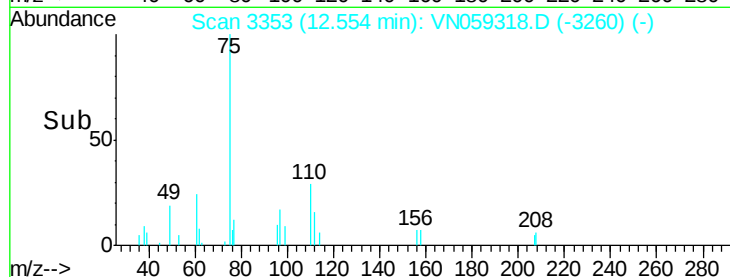
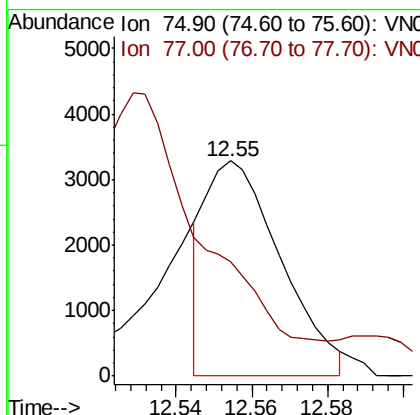
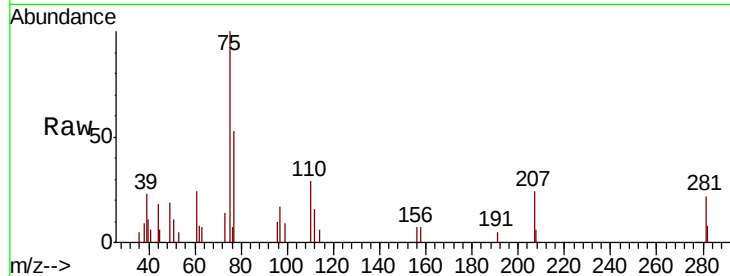
#76
 1,2,3-Trichloropropane
 Concen: 1.006 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 4516
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

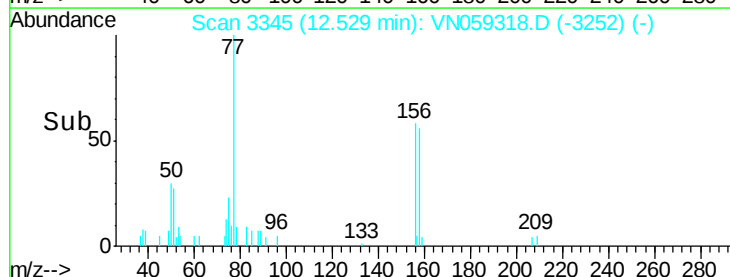
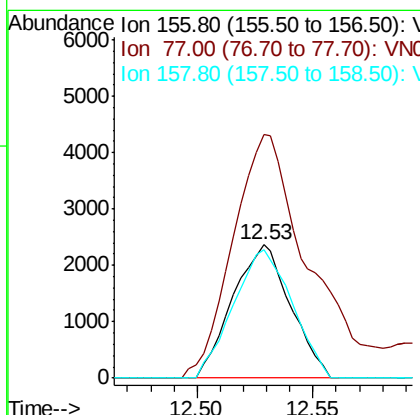
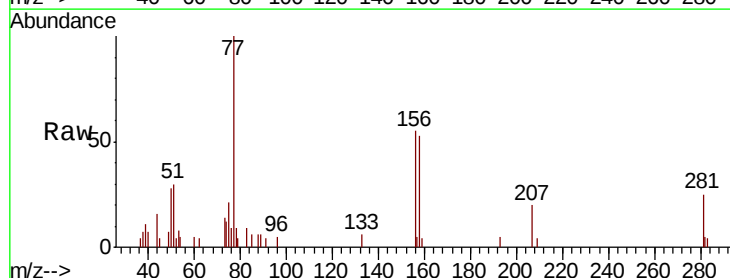
Manual Integrations
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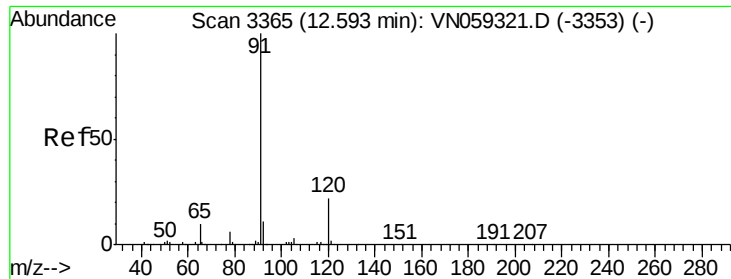
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#77
 Bromobenzene
 Concen: 1.062 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion: 156 Resp: 4102
 Ion Ratio Lower Upper
 156 100
 77 239.4 111.1 333.4
 158 98.1 47.8 143.4





#78

n-propylbenzene

Concen: 0.949 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 17103

Ion Ratio Lower Upper

91 100

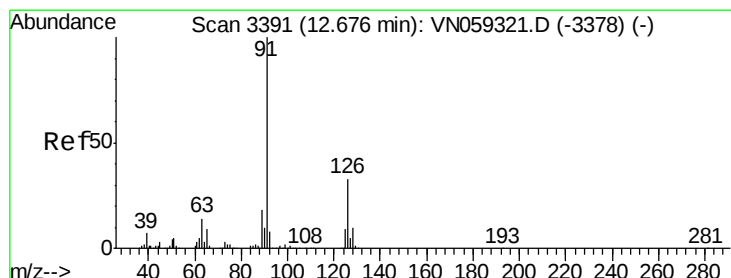
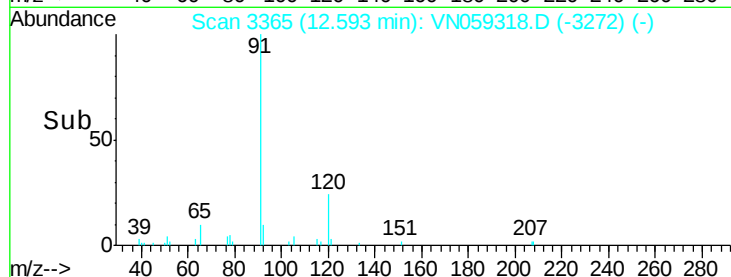
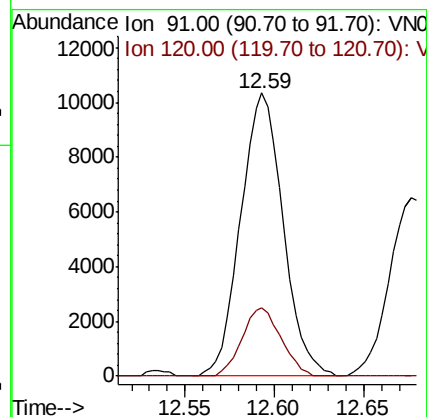
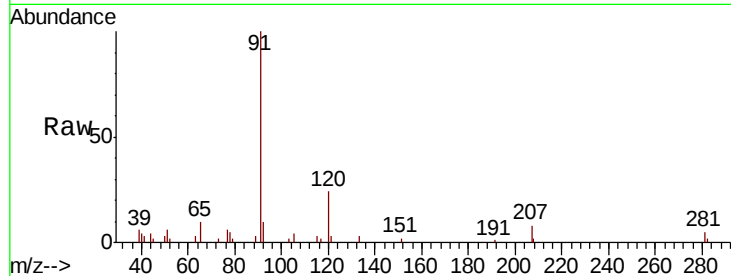
120 22.1 11.3 33.9

Manual Integrations

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#79

2-Chlorotoluene

Concen: 1.021 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059318.D

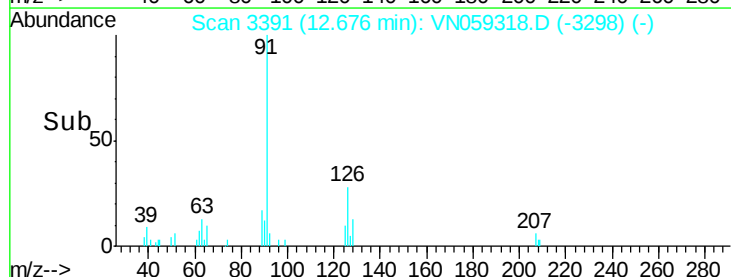
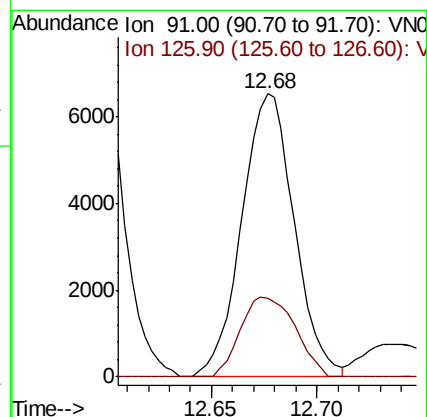
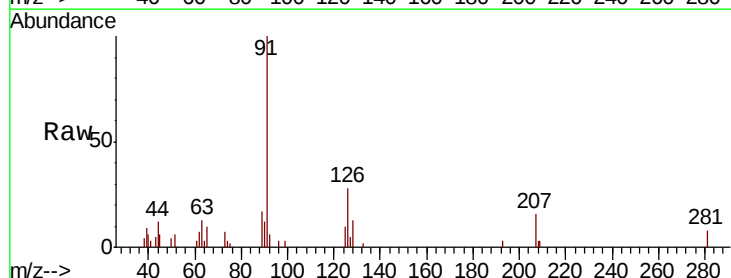
Acq: 20 Nov 2019 11:25

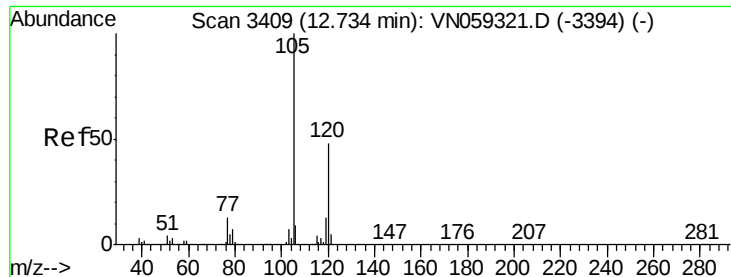
Tgt Ion: 91 Resp: 11302

Ion Ratio Lower Upper

91 100

126 29.4 16.7 50.1





#80

1,3,5-Trimethylbenzene

Concen: 0.905 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 12113

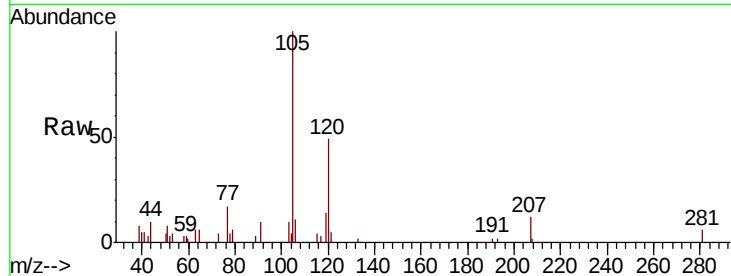
Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.4

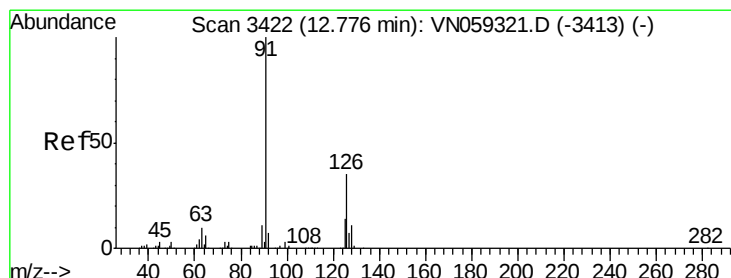
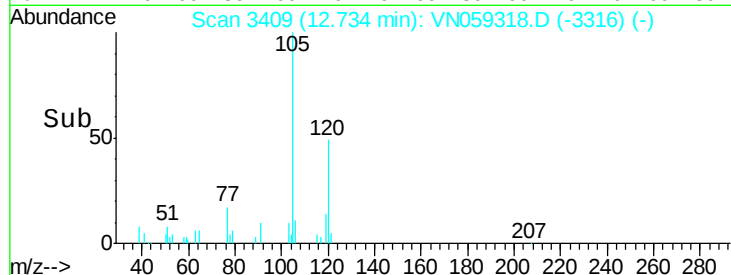
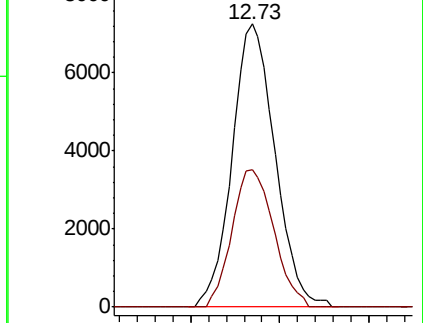
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 0.976 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059318.D

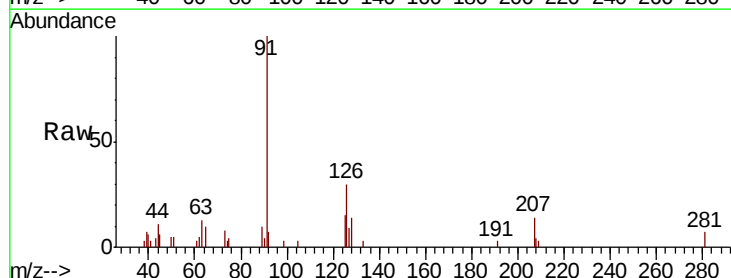
Acq: 20 Nov 2019 11:25

Tgt Ion: 91 Resp: 11180

Ion Ratio Lower Upper

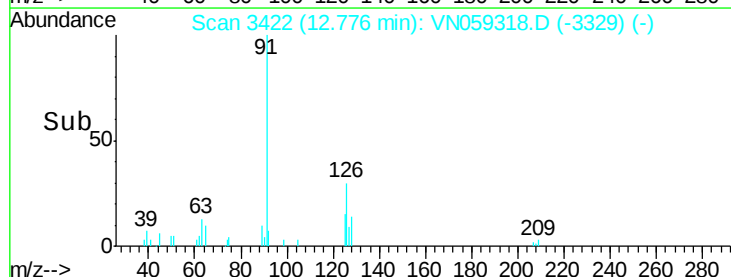
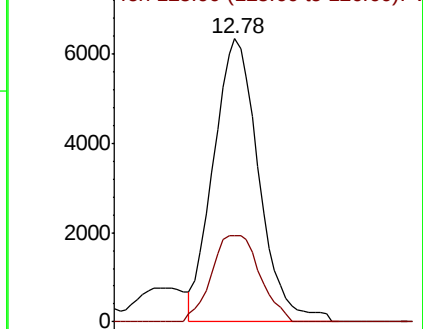
91 100

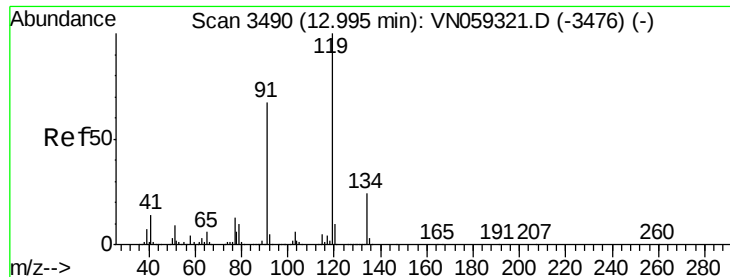
126 32.5 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.966 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

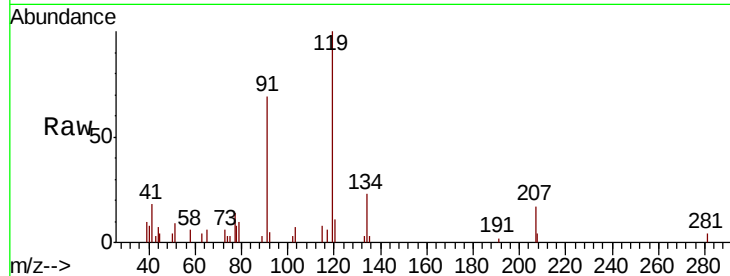
ClientSampleId :

VSTDIC001

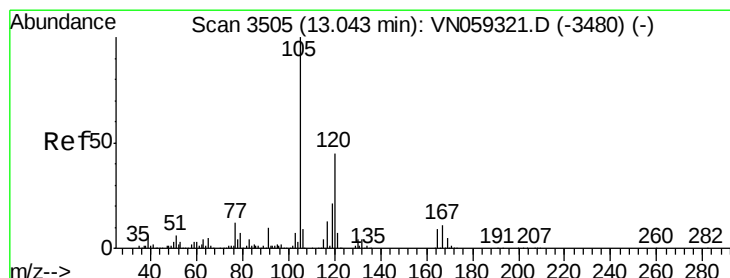
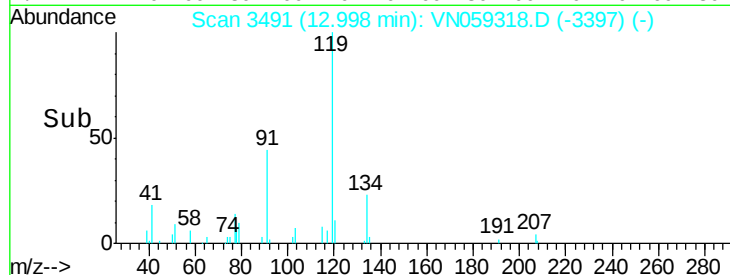
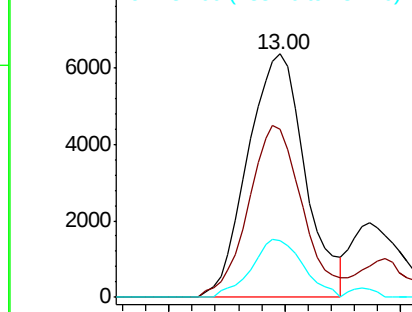
Tot Ion:	119	Resp:	10918
Ion Ratio	Lower	Upper	
119	100		
91	67.1	32.8	98.4
134	21.4	13.0	38.9

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



#84

1,2,4-Trimethylbenzene

Concen: 0.934 ug/l

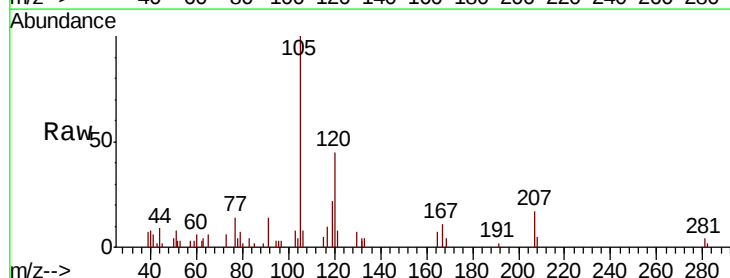
RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

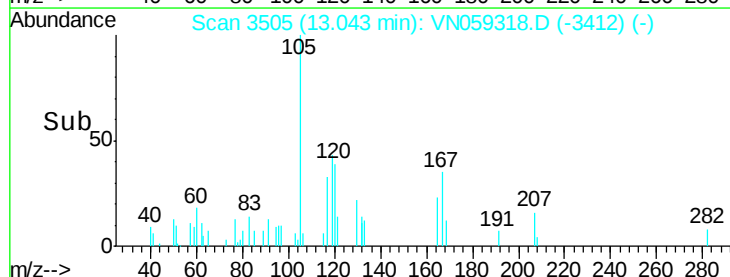
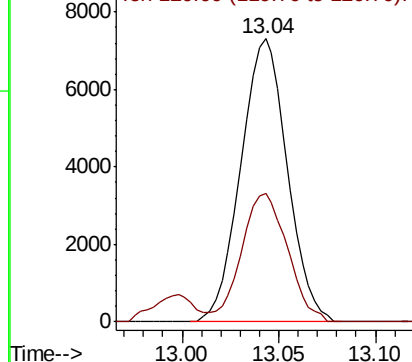
Lab File: VN059318.D

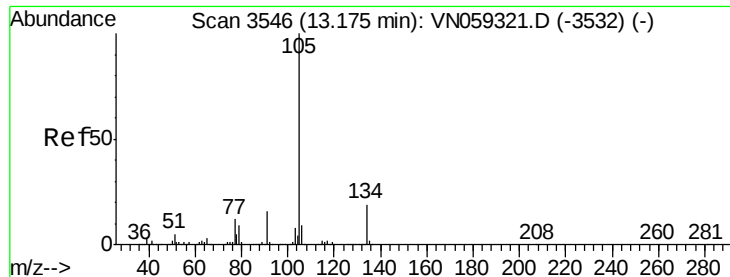
Acq: 20 Nov 2019 11:25

Tgt Ion:	105	Resp:	12237
Ion Ratio	Lower	Upper	
105	100		
120	44.8	22.6	67.8



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





#85

sec-Butylbenzene

Concen: 0.942 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 14315

Ion Ratio Lower Upper

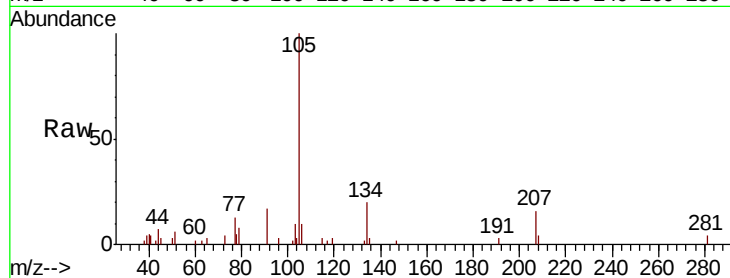
105 100

134 19.9 9.8 29.3

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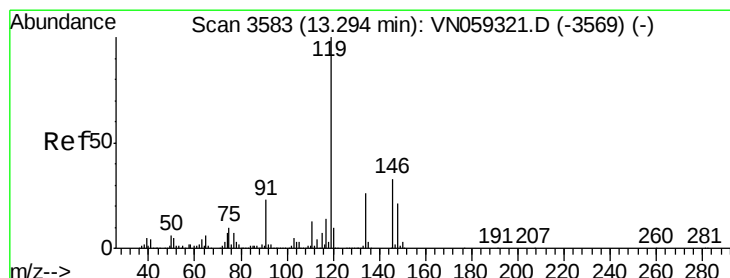
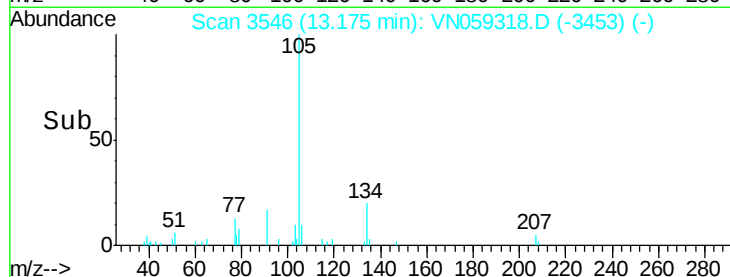
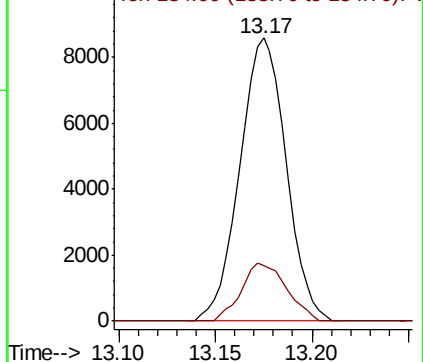
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.963 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059318.D

Acq: 20 Nov 2019 11:25

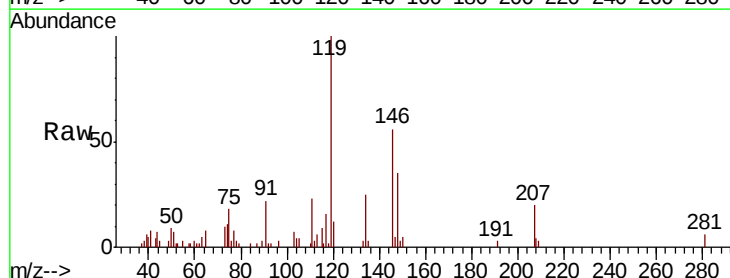
Tgt Ion:119 Resp: 13013

Ion Ratio Lower Upper

119 100

134 25.0 13.0 38.9

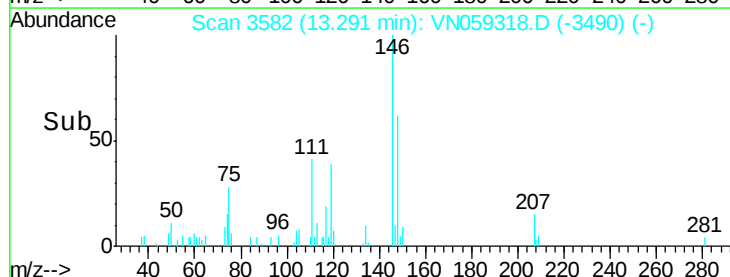
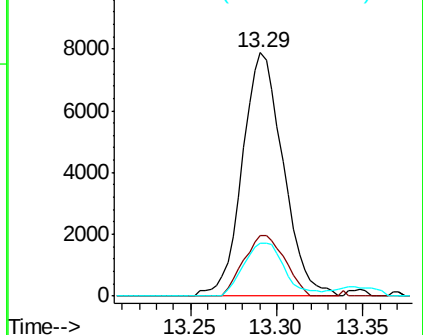
91 22.0 11.6 34.7

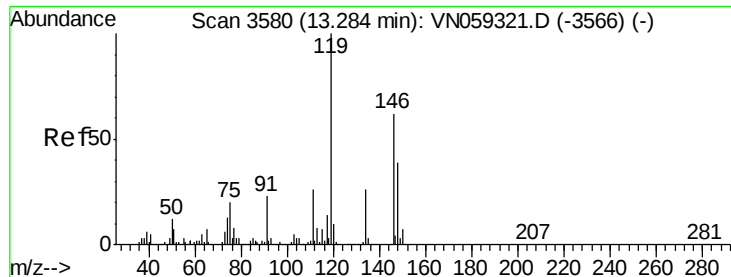


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





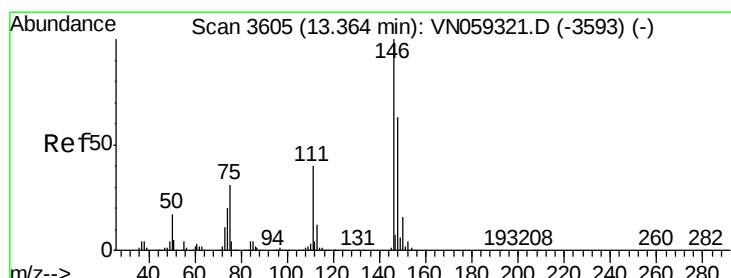
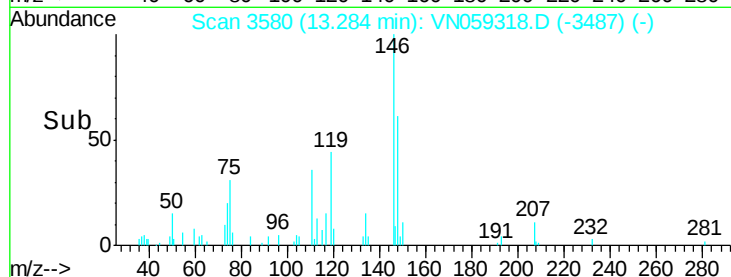
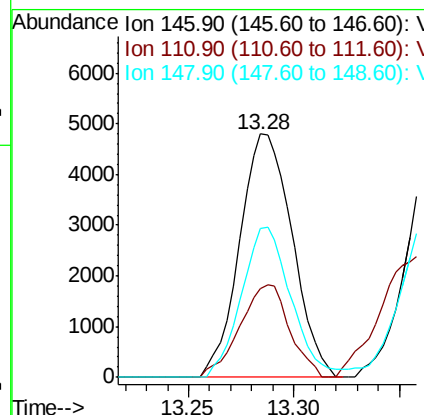
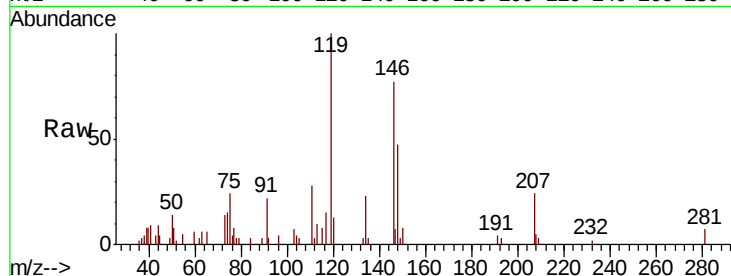
#87
 1,3-Dichlorobenzene
 Concen: 1.211 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	20.6	61.8
148	58.5	31.9	95.5

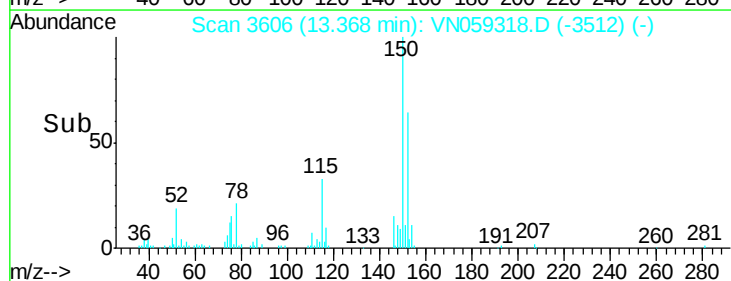
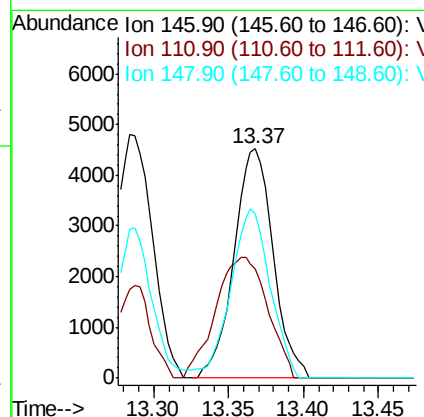
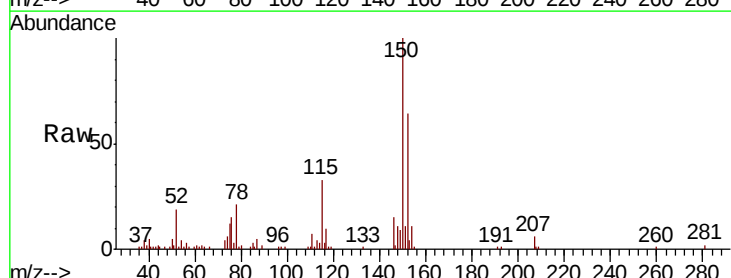
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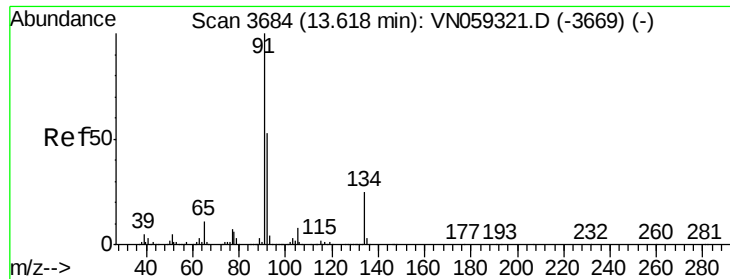
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#88
 1,4-Dichlorobenzene
 Concen: 1.210 ug/l m
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	20.1	60.3
148	59.2	31.7	95.1





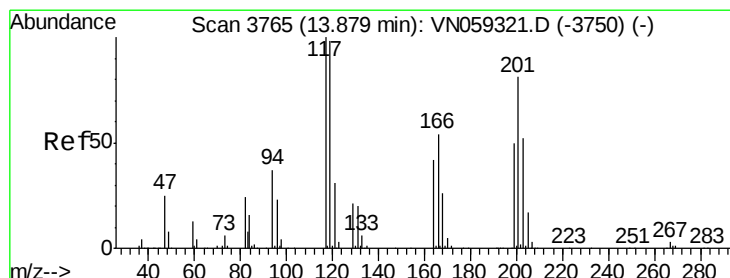
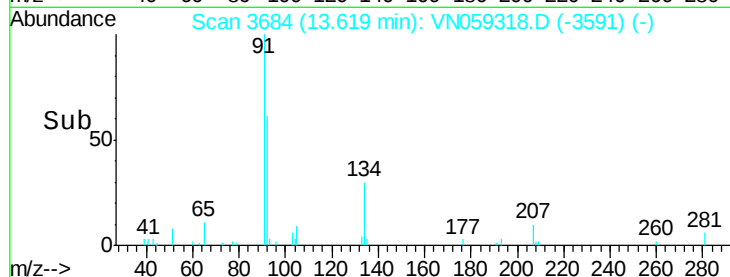
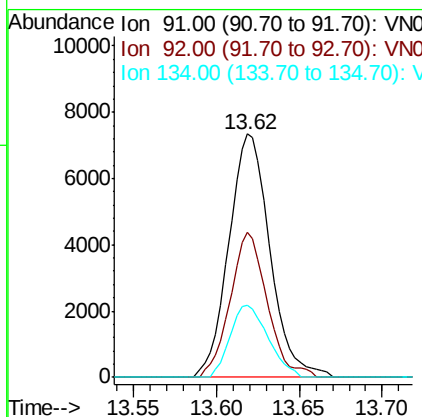
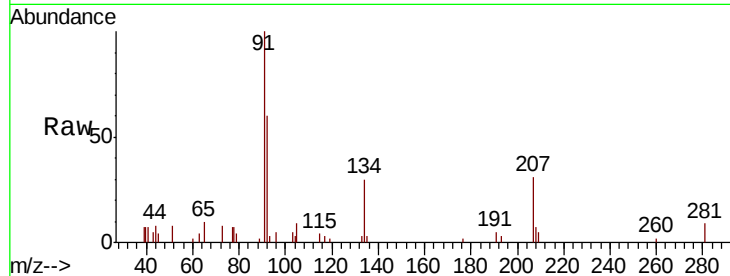
#89
n-Butylbenzene
Concen: 1.068 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.0	78.0
134	27.3	12.7	38.1

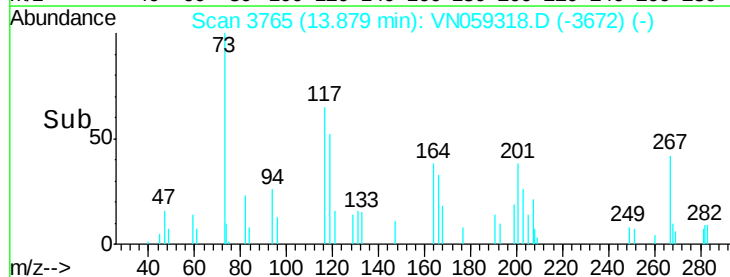
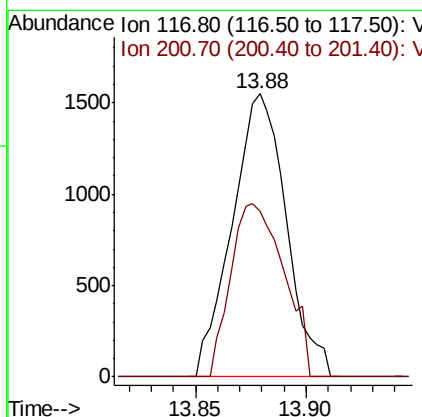
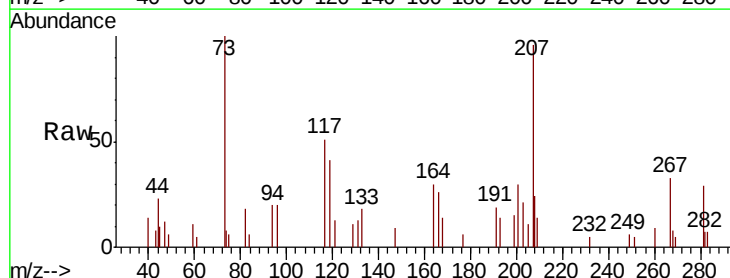
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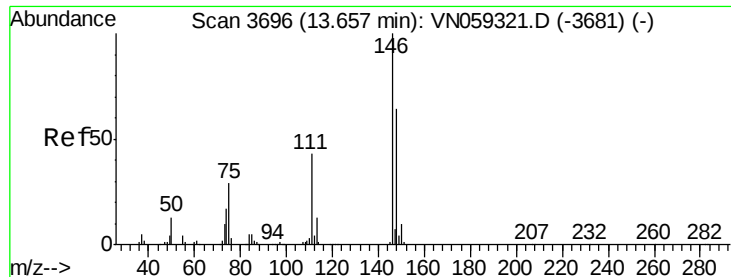
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#90
Hexachloroethane
Concen: 1.030 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.4	40.4	121.2





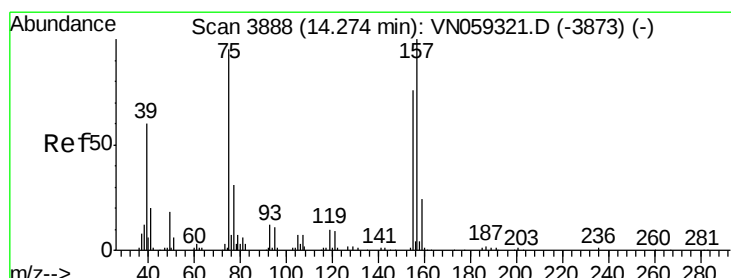
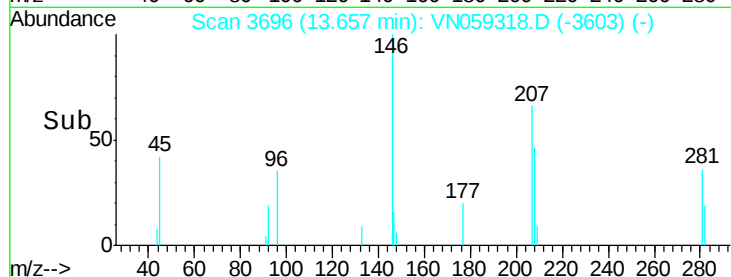
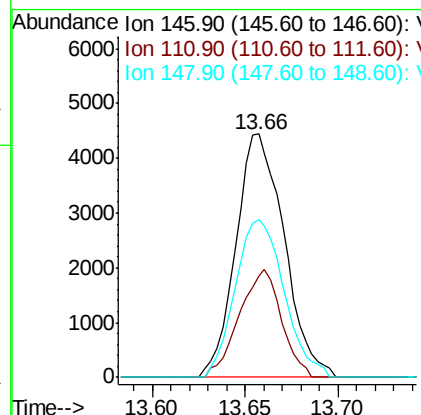
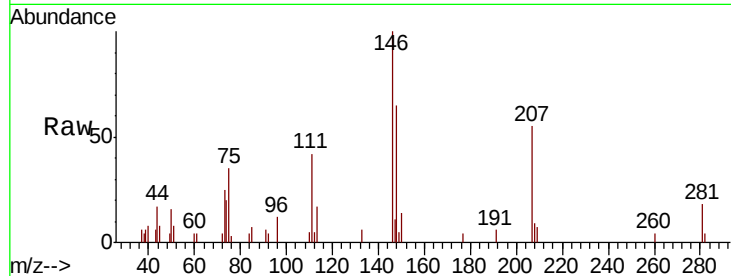
#91
 1,2-Dichlorobenzene
 Concen: 1.213 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	21.3	64.0
148	65.3	31.9	95.5

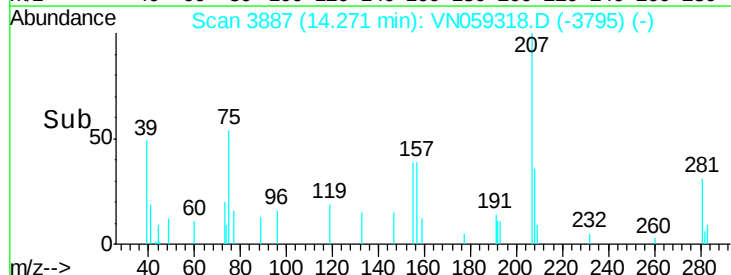
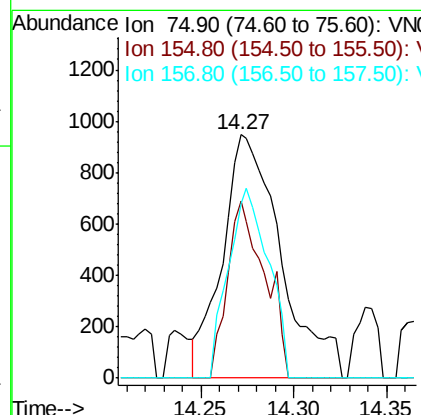
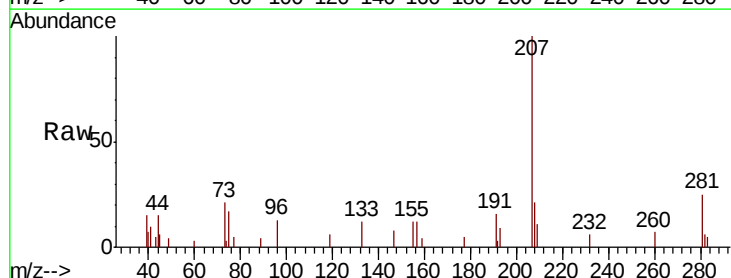
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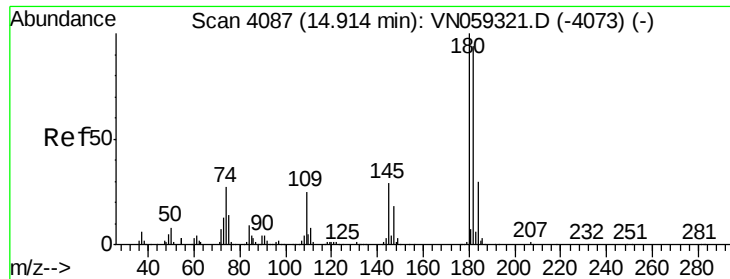
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.859 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059318.D
 Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	46.4	40.5	121.5
157	53.2	52.7	158.1





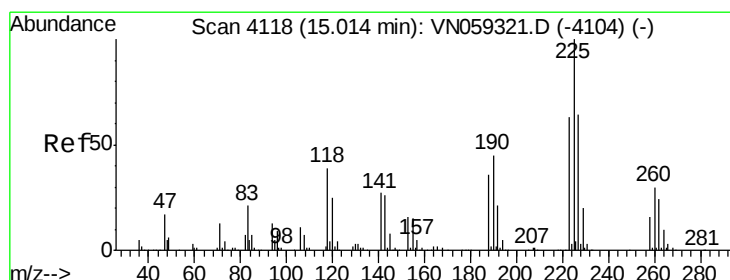
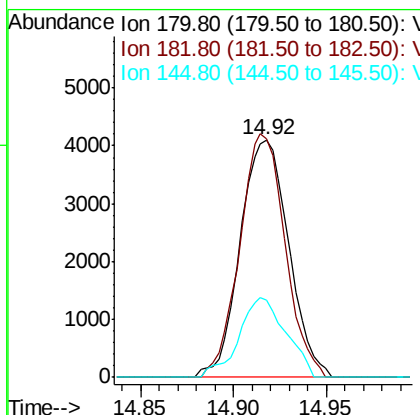
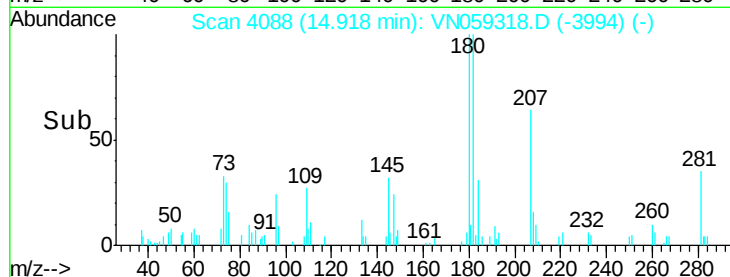
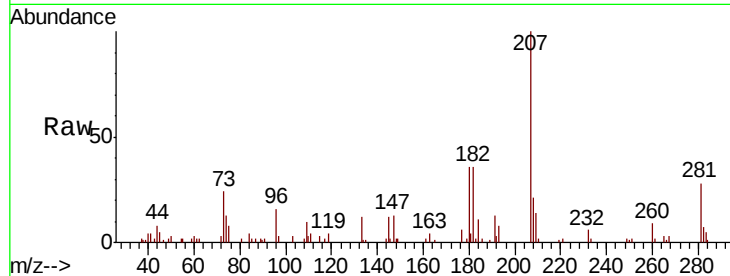
#93
1,2,4-Trichlorobenzene
Concen: 4.634 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.2	141.6
145	32.4	14.9	44.5

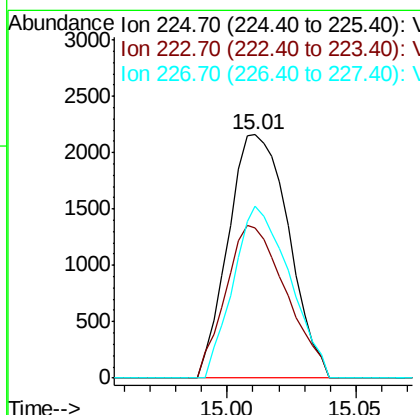
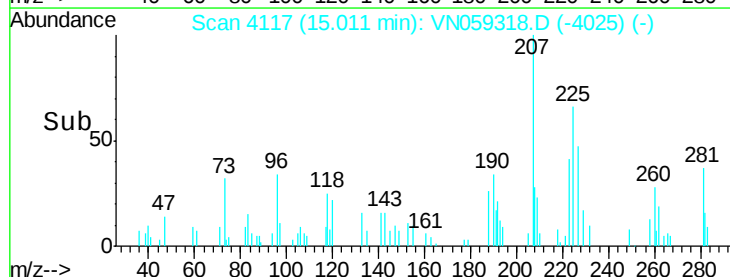
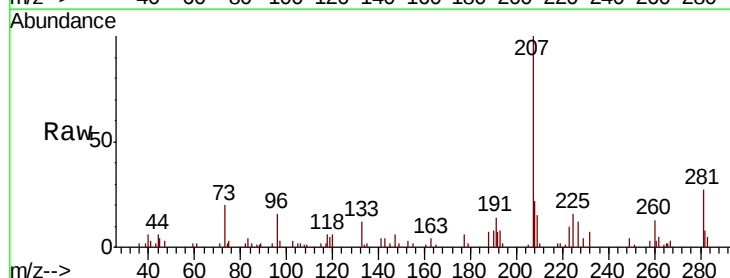
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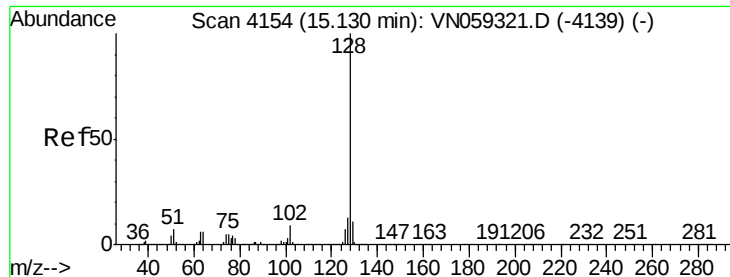
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#94
Hexachlorobutadiene
Concen: 1.472 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.6	94.8
227	66.0	32.6	97.7





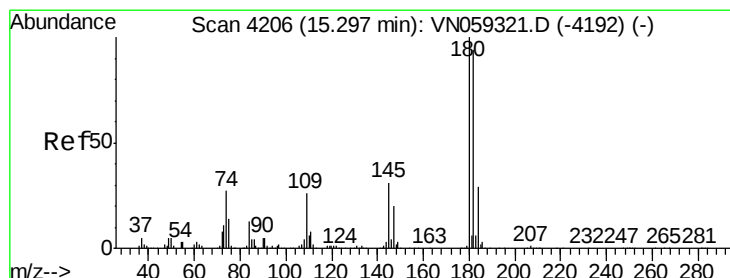
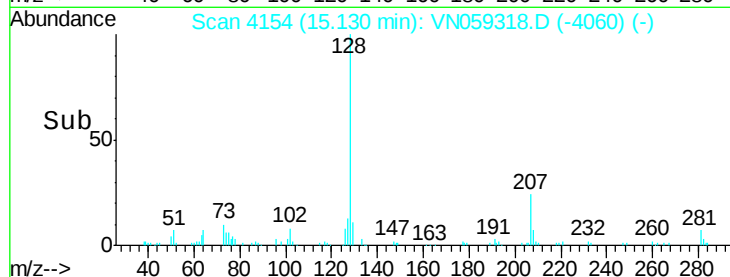
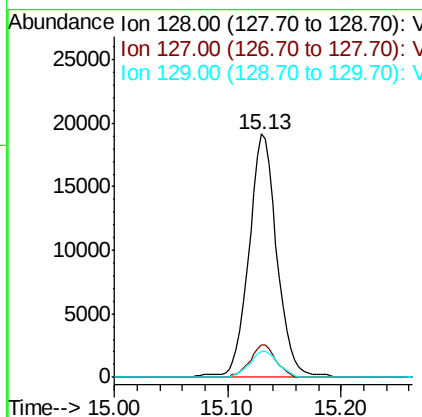
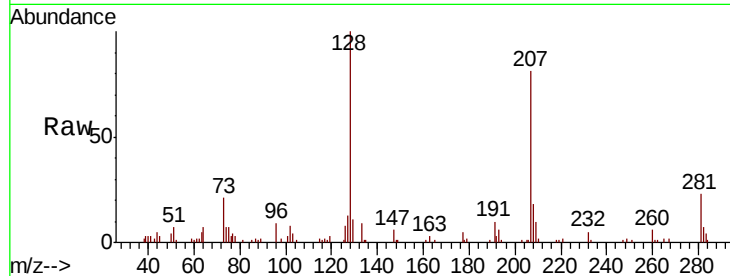
#95
Naphthalene
Concen: 5.858 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	10.9	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 4.281 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059318.D
Acq: 20 Nov 2019 11:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.1	141.4
145	33.9	15.6	46.8

