

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059530.D
 Acq On : 9 Dec 2019 16:14
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
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 12/10/2019 5:10:53 PM

Quant Time: Dec 09 16:57:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	283607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	456753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	421582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203912	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	402634	114.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	228.84%	
35) Dibromofluoromethane	7.57	113	290365	104.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.14%	
50) Toluene-d8	10.08	98	1138628	104.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.48%	
62) 4-Bromofluorobenzene	12.40	95	418288	106.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	347431	111.331	ug/l	100
3) Chloromethane	2.04	50	505041	118.574	ug/l	98
4) Vinyl Chloride	2.17	62	531535	185.147	ug/l	100
5) Bromomethane	2.53	94	308314	174.526	ug/l	99
6) Chloroethane	2.68	64	305995	182.446	ug/l	98
7) Trichlorofluoromethane	2.99	101	638119	186.367	ug/l	99
8) Diethyl Ether	3.39	74	206784	106.520	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	318375	108.188	ug/l	100
10) Methyl Iodide	3.92	142	432291	117.057	ug/l	100
11) Tert butyl alcohol	4.76	59	360486	559.650	ug/l	100
12) 1,1-Dichloroethene	3.71	96	309996	108.566	ug/l	97
13) Acrolein	3.58	56	157358	317.605	ug/l	99
14) Allyl chloride	4.29	41	623938	110.024	ug/l	100
15) Acrylonitrile	4.95	53	976260	559.400	ug/l	99
16) Acetone	3.79	43	893553	386.144	ug/l	99
17) Carbon Disulfide	4.03	76	997803	101.650	ug/l	99
18) Methyl Acetate	4.29	43	514866	110.968	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	1133573	115.387	ug/l	99
20) Methylene Chloride	4.52	84	357311	98.284	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	347933	108.282	ug/l	98
22) Diisopropyl ether	5.92	45	1249480	118.166	ug/l	94
23) Vinyl Acetate	5.86	43	5279607	619.335	ug/l	98
24) 1,1-Dichloroethane	5.82	63	684183	114.073	ug/l	99
25) 2-Butanone	6.81	43	1440589	550.653	ug/l	100
26) 2,2-Dichloropropane	6.80	77	611692	116.799	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	394991	110.460	ug/l	99
28) Bromochloromethane	7.17	49	230006	120.353	ug/l	100
29) Tetrahydrofuran	7.19	42	976860	590.992	ug/l	100
30) Chloroform	7.35	83	675048	115.671	ug/l	98
31) Cyclohexane	7.63	56	637625	110.429	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	596852	117.285	ug/l	100
36) 1,1-Dichloropropene	7.77	75	529387	113.722	ug/l	100
37) Ethyl Acetate	6.90	43	590620	113.552	ug/l	100
38) Carbon Tetrachloride	7.75	117	527207	117.202	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	632523	113.824	ug/l	98
40) Benzene	8.02	78	1498282	110.387	ug/l	100
41) Methacrylonitrile	7.16	41	278067m	129.624	ug/l	
42) 1,2-Dichloroethane	8.10	62	570205	120.974	ug/l	100
43) Isopropyl Acetate	8.15	43	968161	124.396	ug/l	100
44) Trichloroethene	8.82	130	379136	107.105	ug/l	96
45) 1,2-Dichloropropane	9.10	63	407624	112.220	ug/l	100
46) Dibromomethane	9.19	93	265779	116.895	ug/l	97
47) Bromodichloromethane	9.39	83	546960	119.552	ug/l	100
48) Methyl methacrylate	9.18	41	441149	125.862	ug/l	99
49) 1,4-Dioxane	9.19	88	105398	2041.452	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2803880	608.189	ug/l	97
52) Toluene	10.15	92	929632	113.527	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	641060	119.483	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	661881	116.934	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	365404	113.012	ug/l	98
56) Ethyl methacrylate	10.42	69	606755	129.530	ug/l	99
57) 1,3-Dichloropropane	10.70	76	641545	114.275	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	690541	504.552	ug/l	99
59) 2-Hexanone	10.74	43	2138078	616.229	ug/l	98
60) Dibromochloromethane	10.90	129	412842	118.829	ug/l	100
61) 1,2-Dibromoethane	11.00	107	389905	116.405	ug/l	99
64) Tetrachloroethene	10.63	164	338317	99.050	ug/l	97
65) Chlorobenzene	11.43	112	970069	108.102	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	368371	113.838	ug/l	100
67) Ethyl Benzene	11.51	91	1810757	114.913	ug/l	99
68) m/p-Xylenes	11.62	106	1344204	227.233	ug/l	100
69) o-Xylene	11.94	106	644790	114.455	ug/l	97
70) Styrene	11.96	104	1079100	119.590	ug/l	98
71) Bromoform	12.13	173	301890	118.078	ug/l #	100
73) Isopropylbenzene	12.25	105	1736691	111.740	ug/l	100
74) N-amyl acetate	12.07	43	841467	132.602	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	547940	108.604	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	573037m	115.024	ug/l	
77) Bromobenzene	12.53	156	405343	102.993	ug/l	93
78) n-propylbenzene	12.59	91	2054863	112.471	ug/l	100
79) 2-Chlorotoluene	12.67	91	1237820	112.226	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1566045	119.048	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	221484	120.662	ug/l	91
82) 4-Chlorotoluene	12.77	91	1255973	109.924	ug/l	98
83) tert-Butylbenzene	12.99	119	1222820	107.196	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1448003	112.342	ug/l	99
85) sec-Butylbenzene	13.17	105	1687794	111.327	ug/l	100
86) p-Isopropyltoluene	13.29	119	1530539	112.274	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	740081	105.655	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	733022	103.644	ug/l	100
89) n-Butylbenzene	13.62	91	1471799	120.157	ug/l	99
90) Hexachloroethane	13.88	117	289356	110.154	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	702796	104.815	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	125331	102.932	ug/l	95

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VSTDICC100

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Mon Dec 09 16:19:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	480001	113.823	ug/l	99
94) Hexachlorobutadiene	15.01	225	241485	91.983	ug/l	99
95) Naphthalene	15.13	128	1431214	115.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	471082	104.427	ug/l	99

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

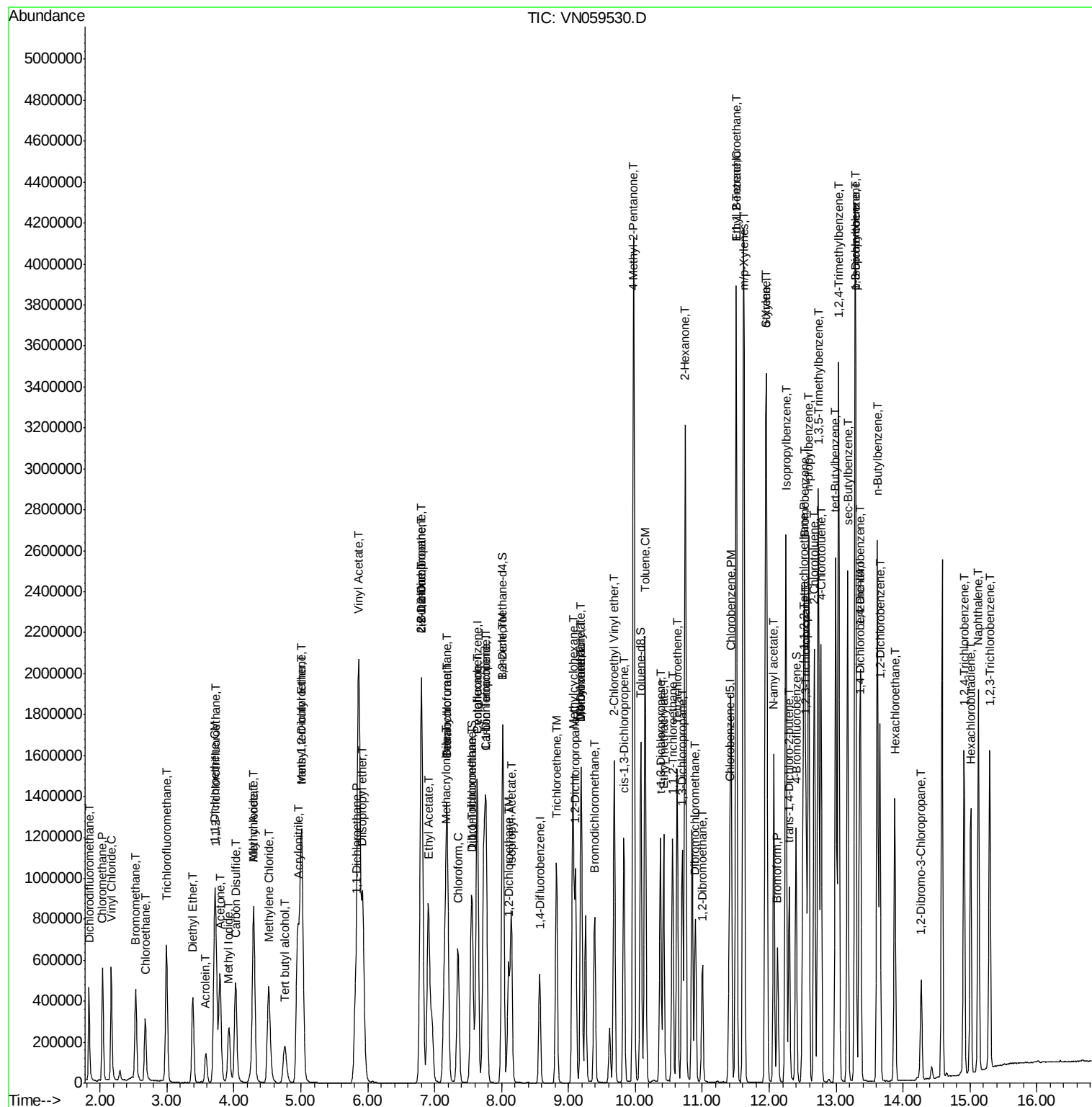
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Data File : VN059530.D
Acq On : 9 Dec 2019 16:14
Operator : JC/SP
Sample : VSTDICC100
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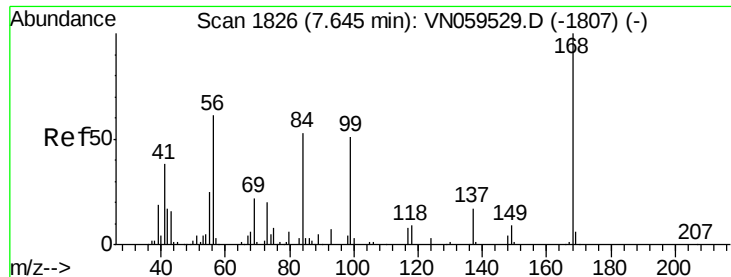
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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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: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 283607

Ion Ratio Lower Upper

168 100

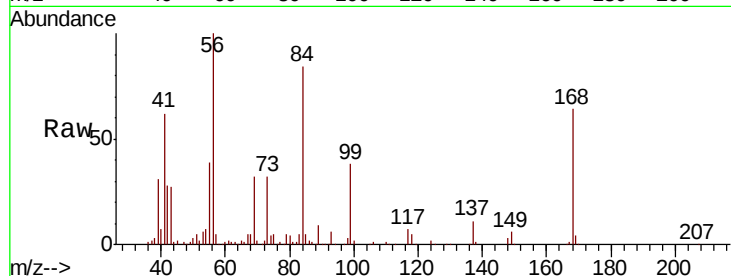
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Manual Integrations

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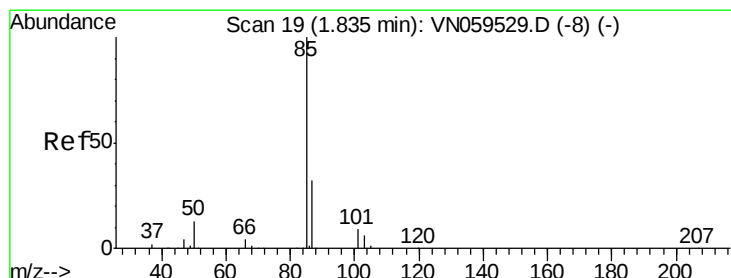
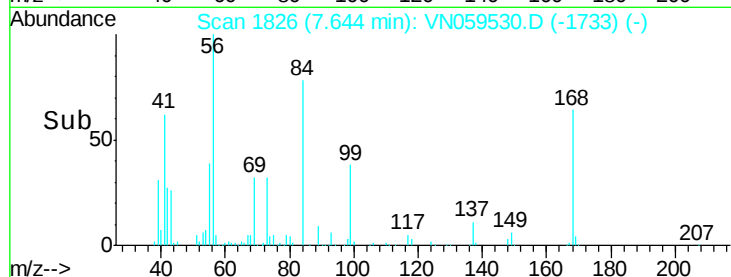
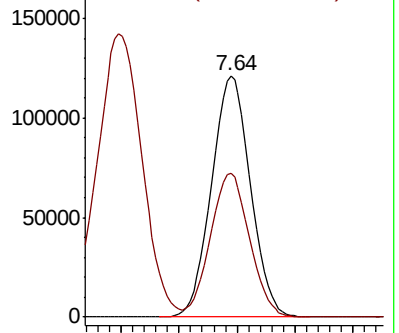
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 111.331 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059530.D

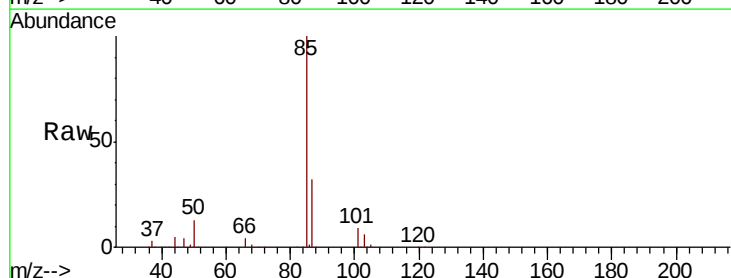
Acq: 9 Dec 2019 16:14

Tgt Ion: 85 Resp: 347431

Ion Ratio Lower Upper

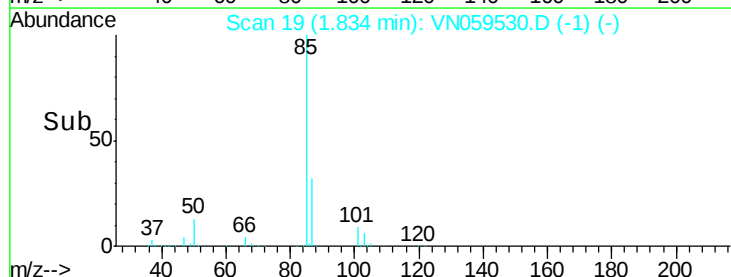
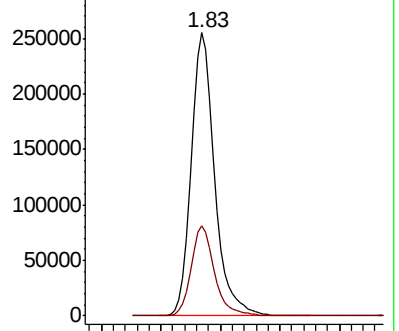
85 100

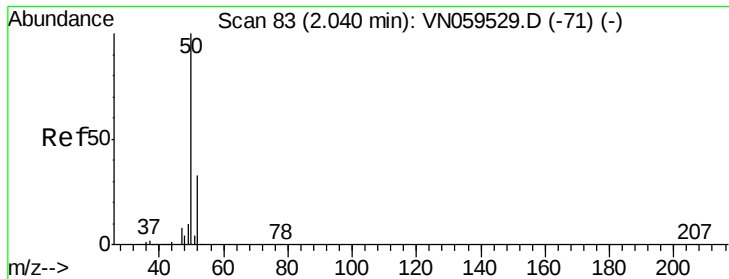
87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 118.574 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 505041

Ion Ratio Lower Upper

50 100

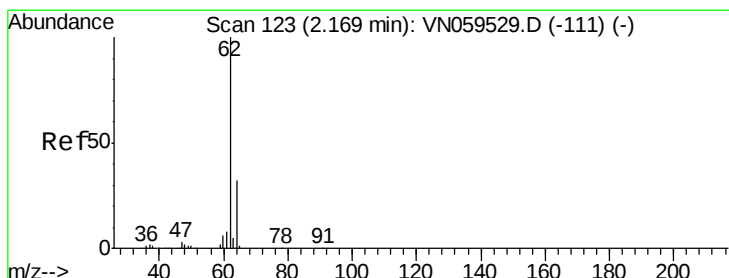
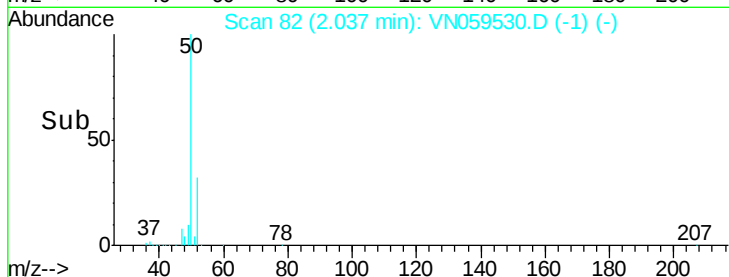
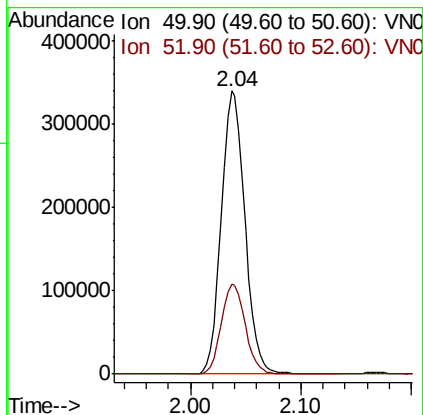
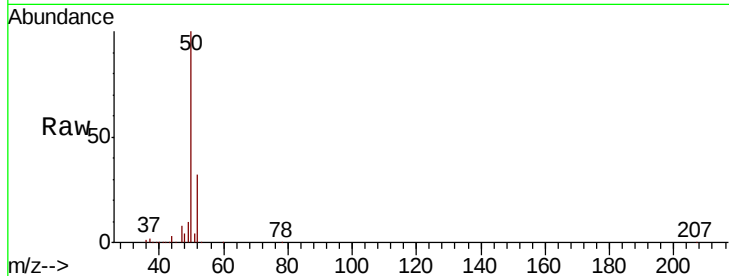
52 31.8 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 185.147 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059530.D

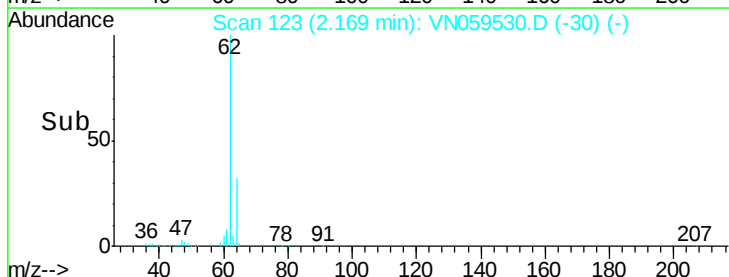
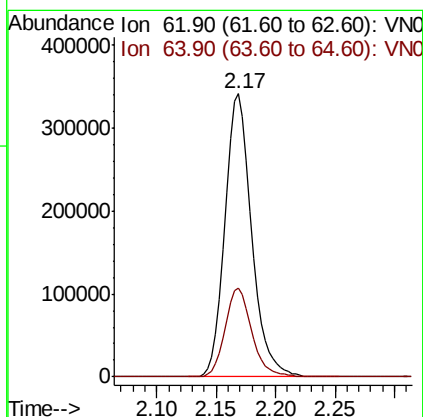
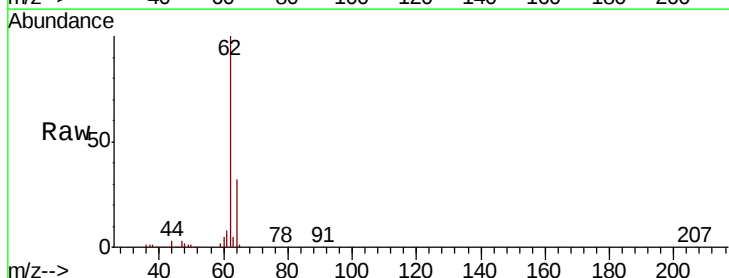
Acq: 9 Dec 2019 16:14

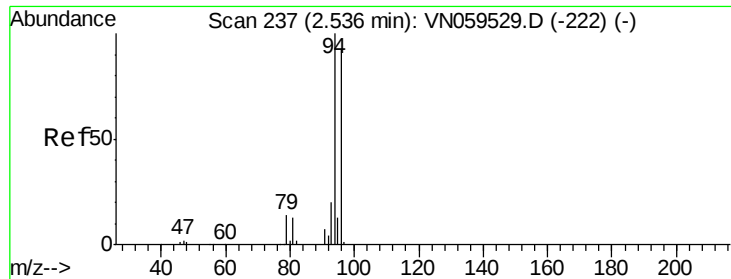
Tgt Ion: 62 Resp: 531535

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 174.526 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 308314

Ion Ratio Lower Upper

94 100

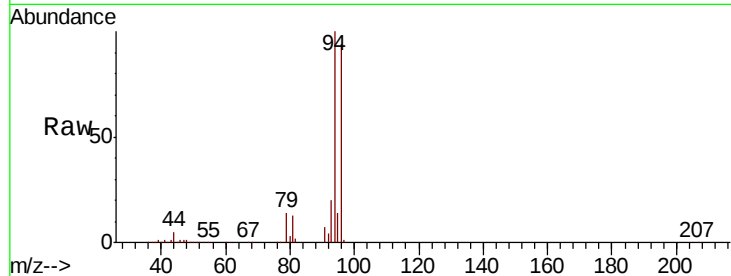
96 94.3 74.6 112.0

Manual Integrations

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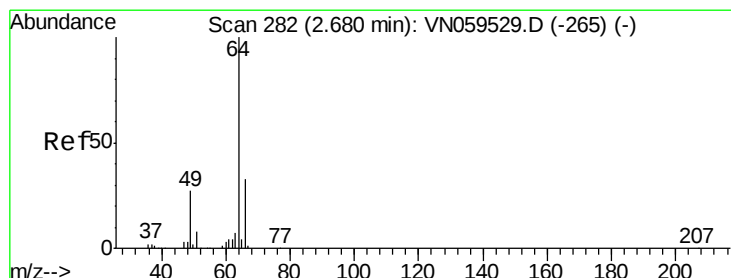
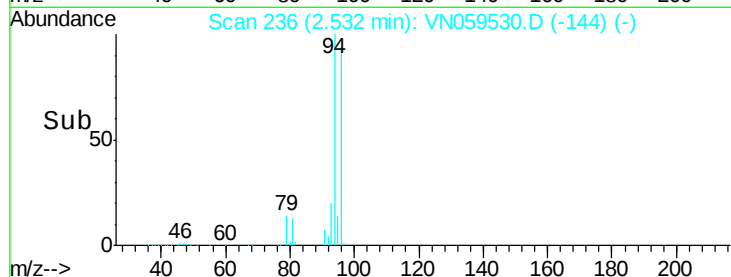
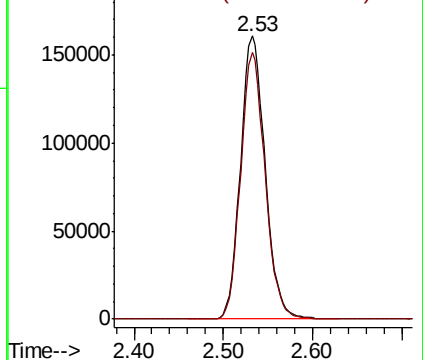
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 182.446 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059530.D

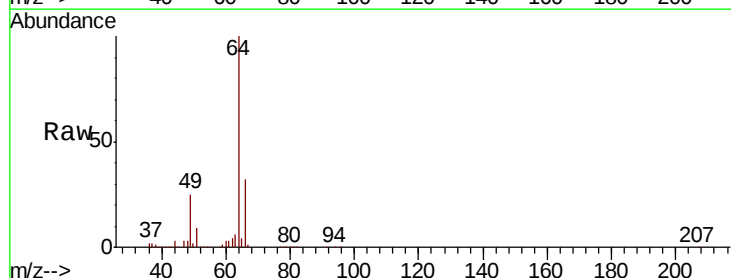
Acq: 9 Dec 2019 16:14

Tgt Ion: 64 Resp: 305995

Ion Ratio Lower Upper

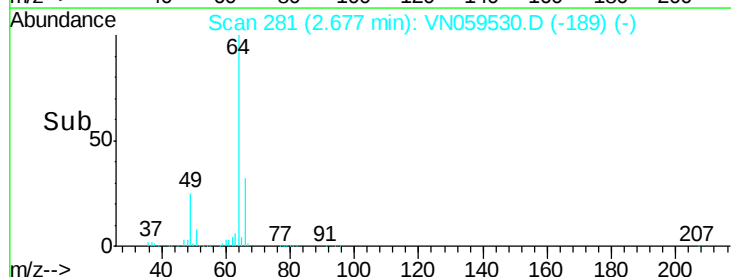
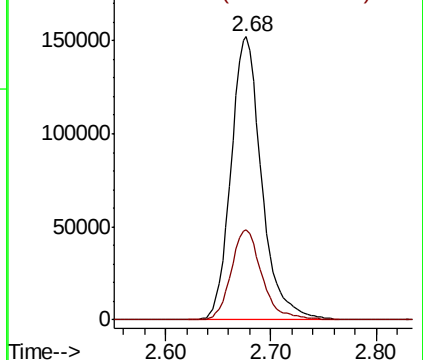
64 100

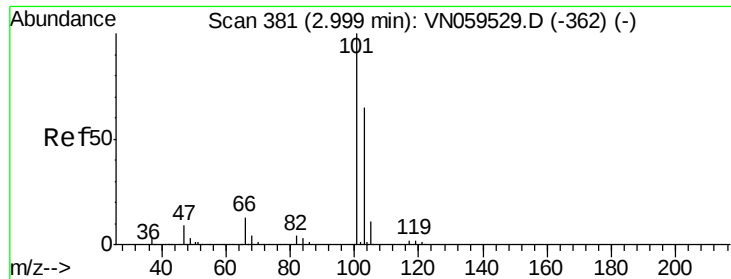
66 32.0 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

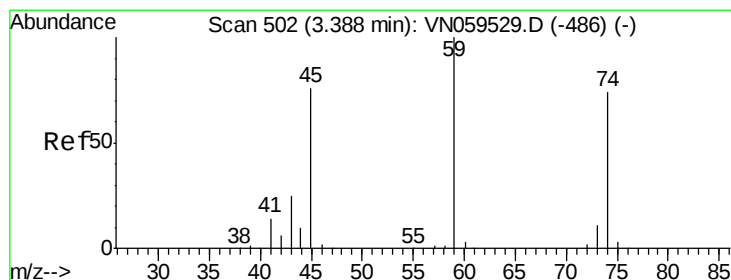
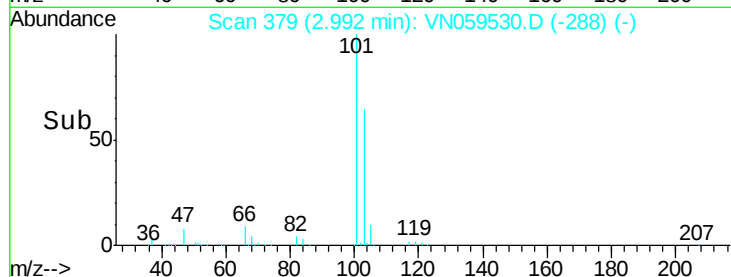
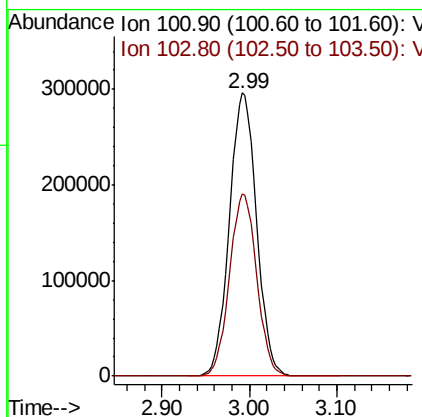
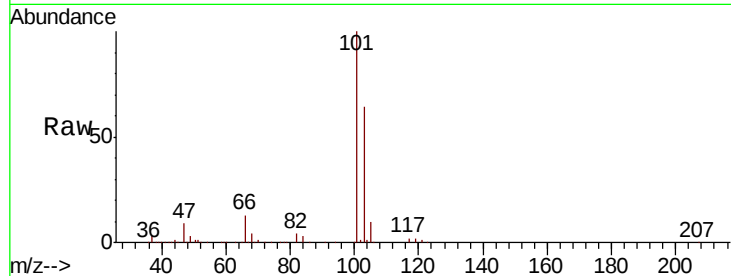
Trichlorofluoromethane
Concen: 186.367 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.01 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.4

Manual Integrations
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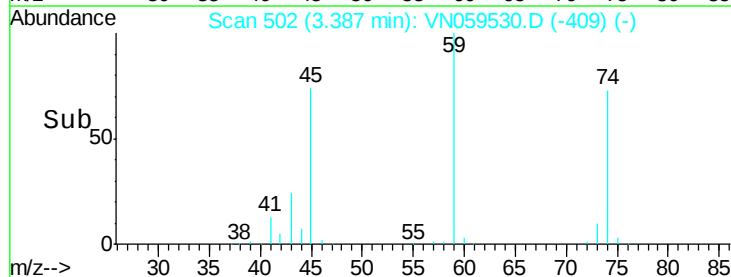
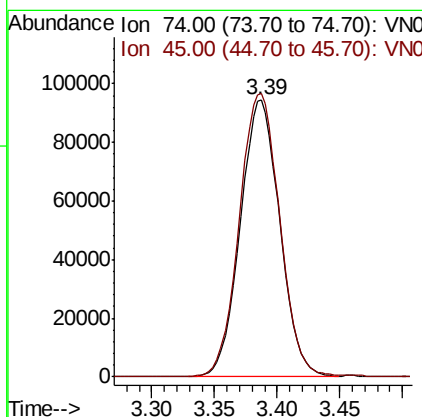
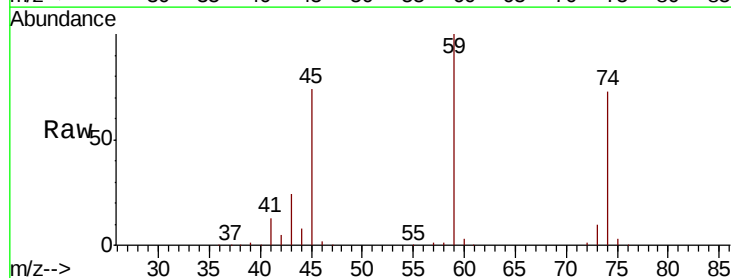
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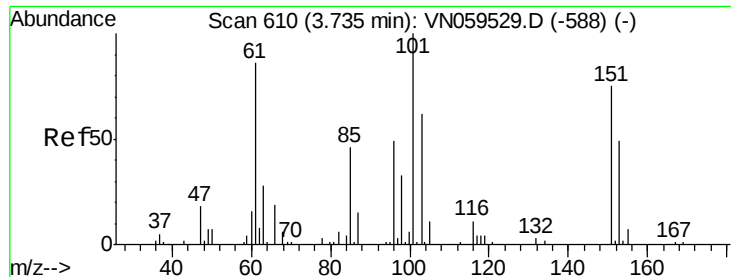


#8

Diethyl Ether
Concen: 106.520 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	52.6	157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.188 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

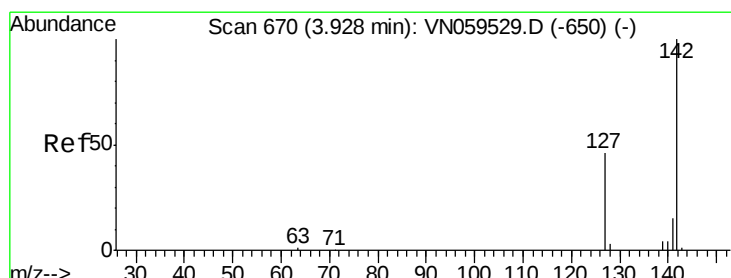
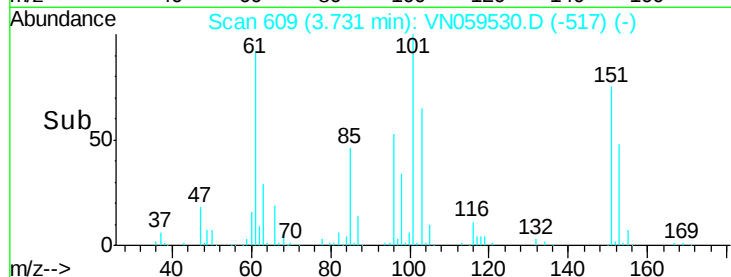
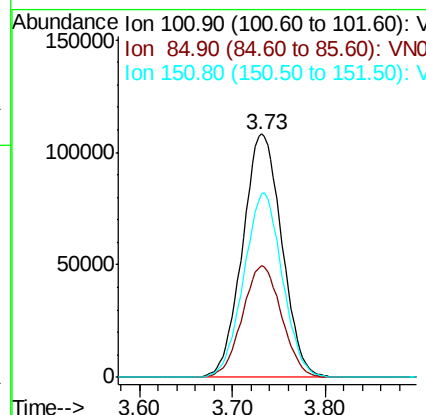
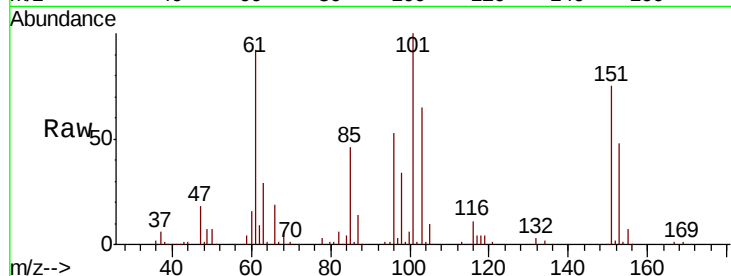
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	318375
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.6	54.8
151	74.4	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 117.057 ug/l

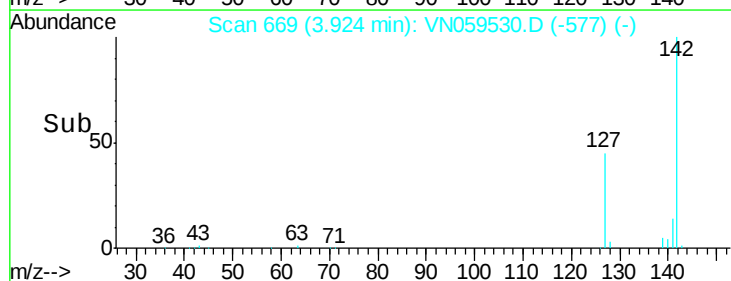
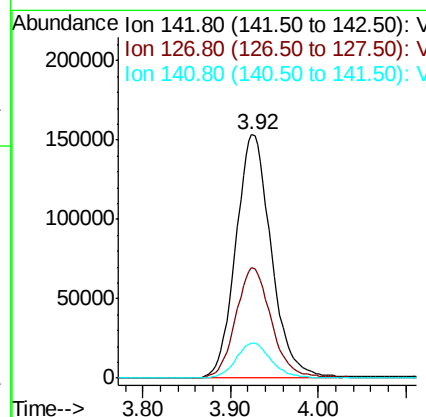
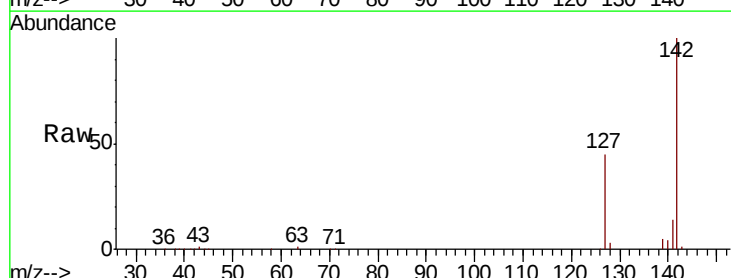
RT: 3.92 min Scan# 669

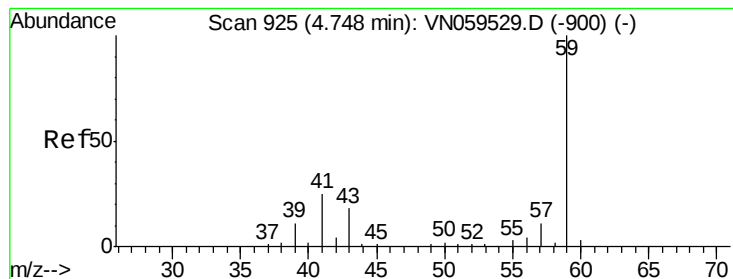
Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Tgt Ion:	142	Resp:	432291
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.6	54.8
141	14.4	11.6	17.4





#11

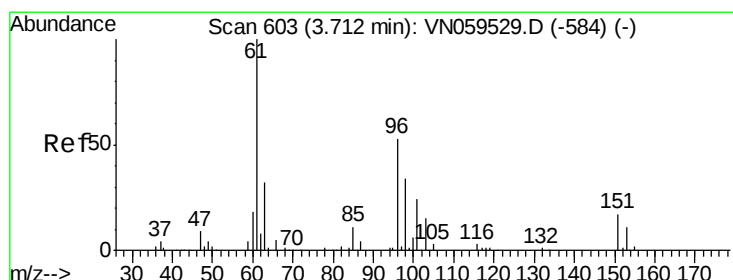
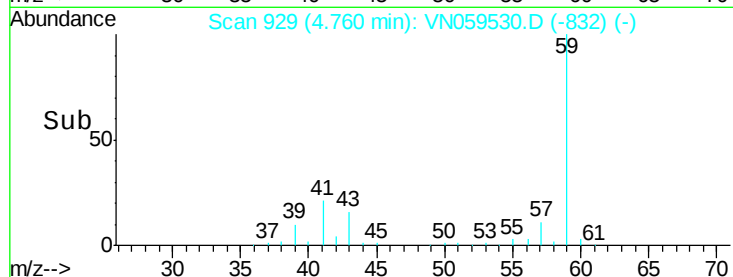
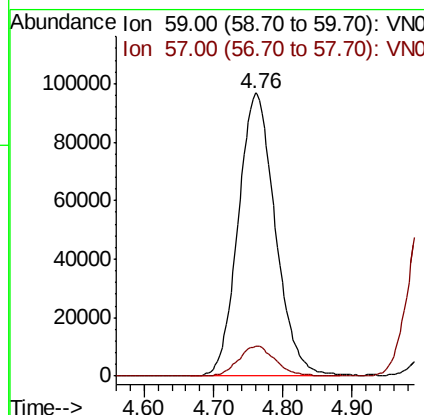
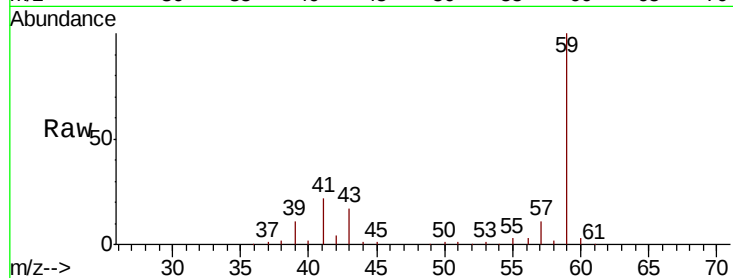
Tert butyl alcohol
 Concen: 559.650 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	59	57	Ratio	100	10.6	Resp	360486	Lower	8.6	Upper	13.0
Ion	59	57	Ratio	100	10.6	Resp	360486	Lower	8.6	Upper	13.0

Manual Integrations
 APPROVED

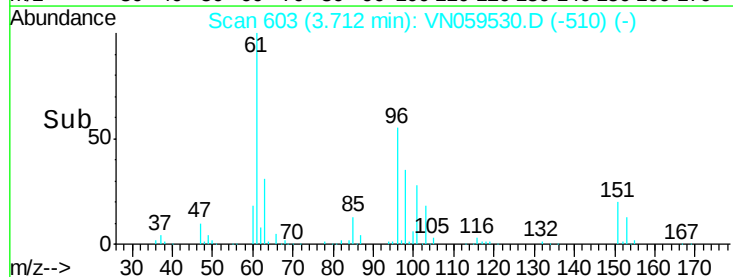
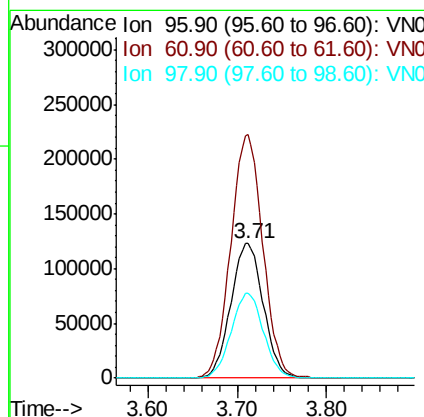
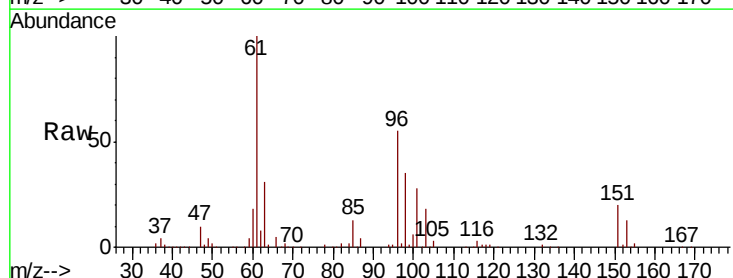
apatel
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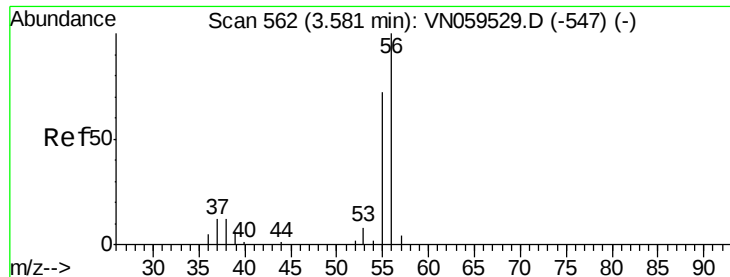


#12

1,1-Dichloroethene
 Concen: 108.566 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Tgt Ion	96	61	98	Ratio	100	180.9	63.5	Resp	309996	Lower	149.8	50.6	Upper	224.6	75.8
Ion	96	61	98	Ratio	100	180.9	63.5	Resp	309996	Lower	149.8	50.6	Upper	224.6	75.8





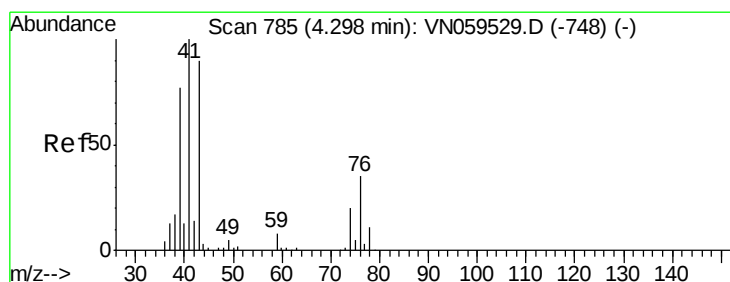
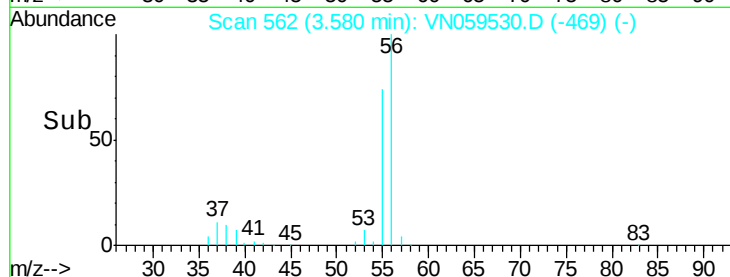
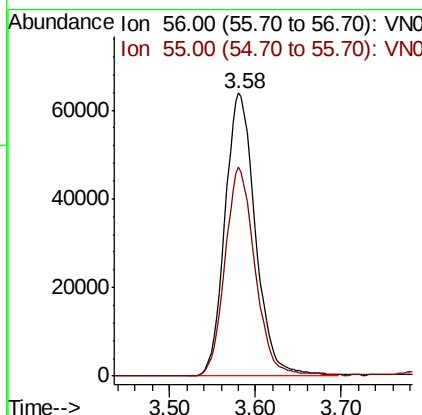
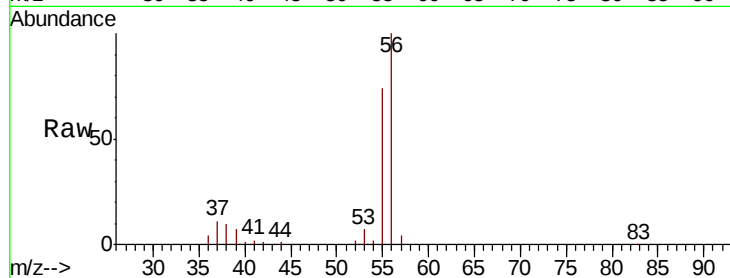
#13
Acrolein
Concen: 317.605 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	157358
Ion Ratio	100	Lower	Upper
56	100		
55	72.2	56.9	85.3

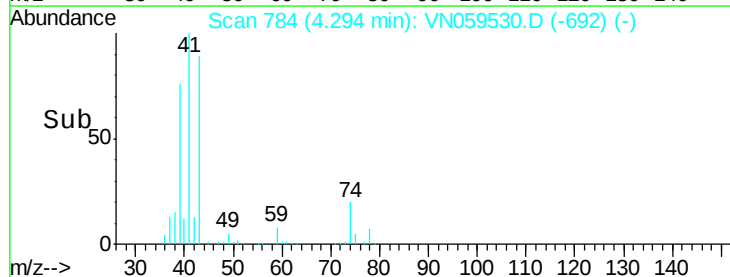
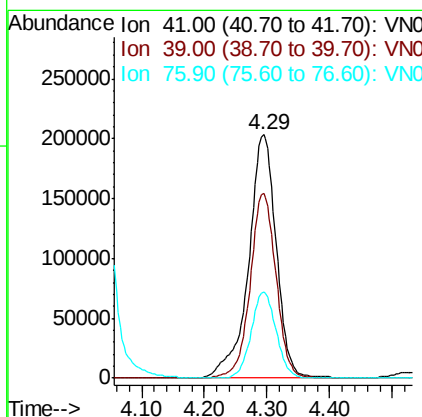
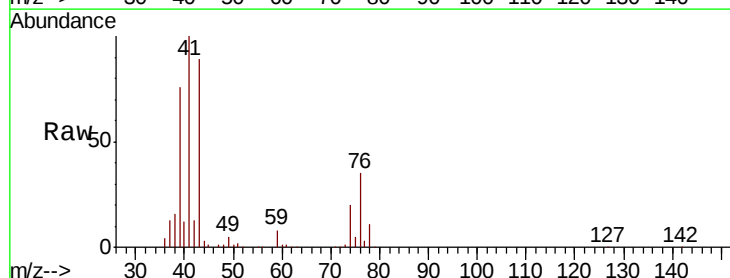
Manual Integrations
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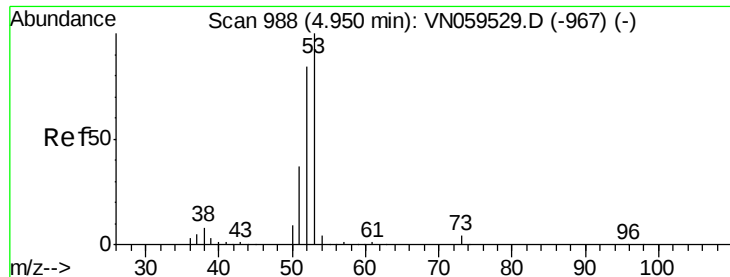
apatel
12/10/2019 5:10:53 PM



#14
Allyl chloride
Concen: 110.024 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	41	Resp	623938
Ion Ratio	100	Lower	Upper
41	100		
39	70.9	56.7	85.1
76	31.5	25.5	38.3





#15

Acrylonitrile

Concen: 559.400 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

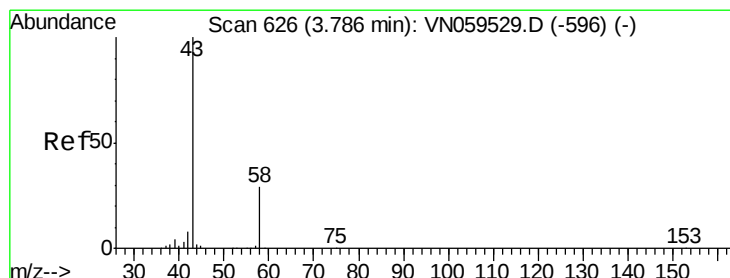
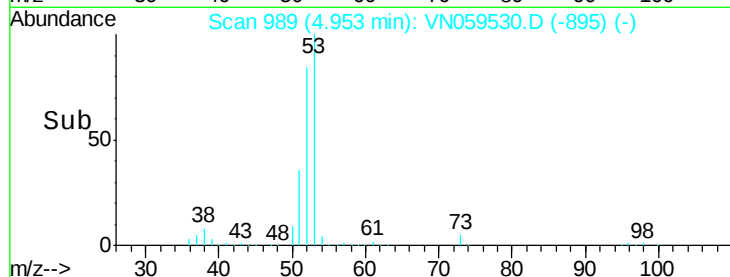
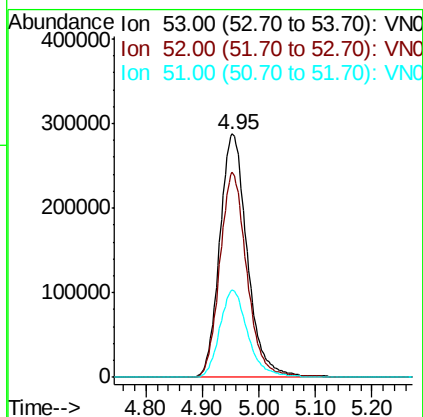
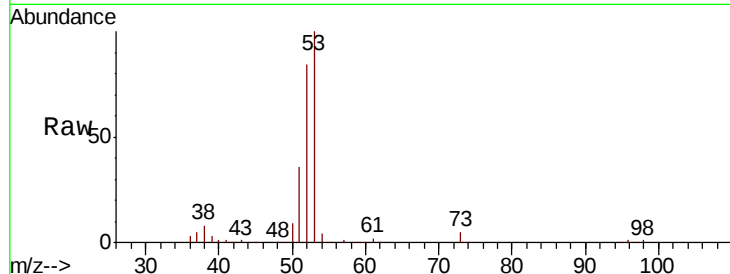
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	976260
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	99.8
51	36.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 386.144 ug/l

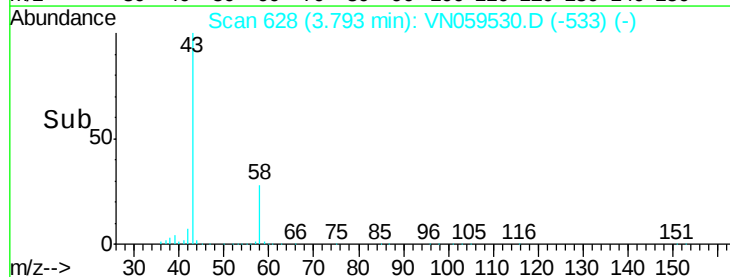
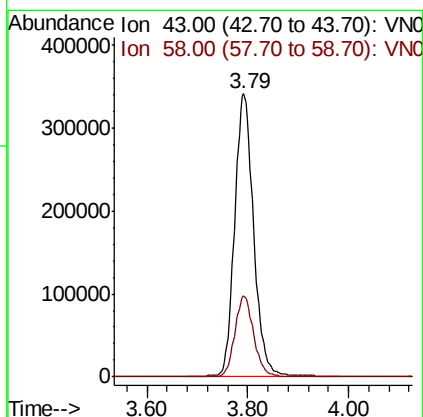
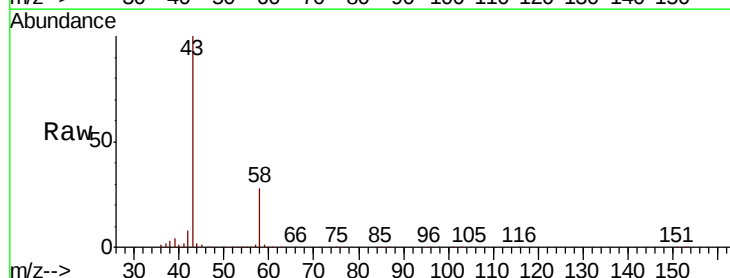
RT: 3.79 min Scan# 628

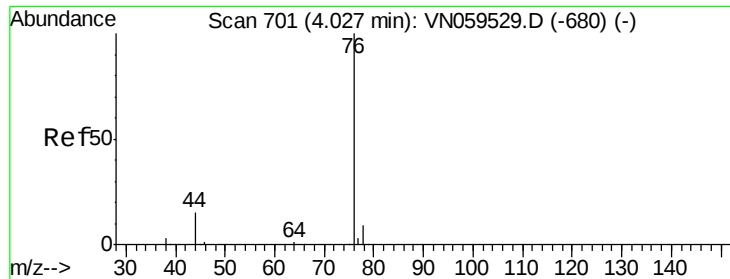
Delta R.T. 0.01 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Tgt Ion:	43	Resp:	893553
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.0	34.4





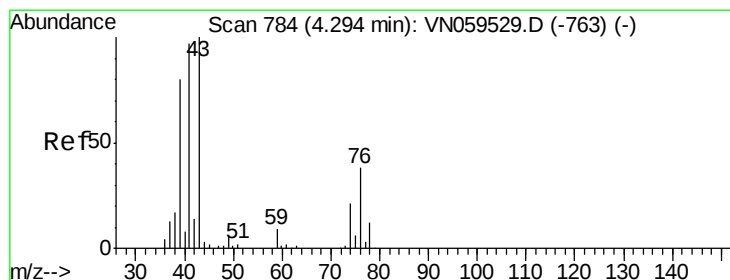
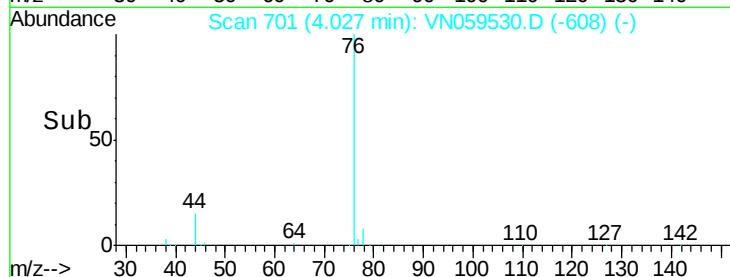
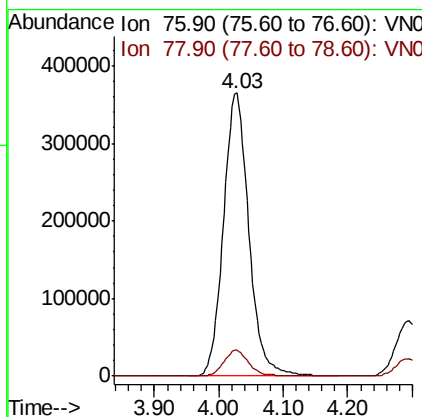
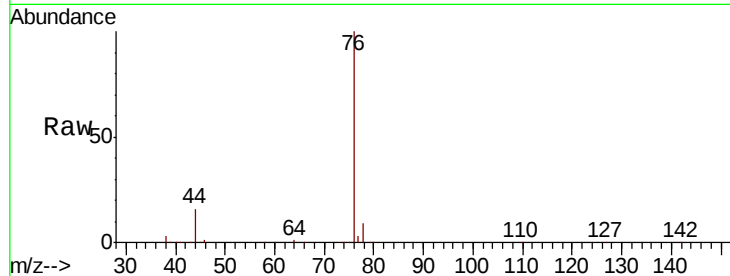
#17
Carbon Disulfide
Concen: 101.650 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

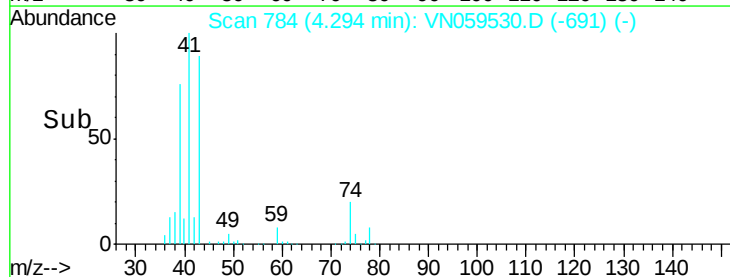
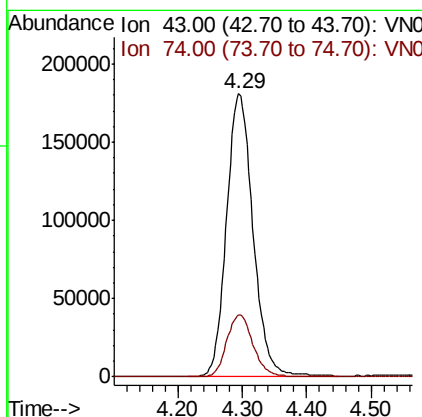
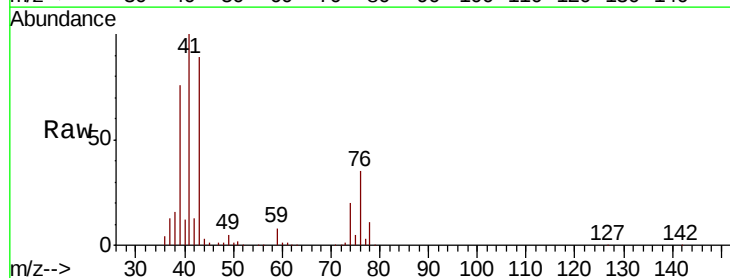
Manual Integrations
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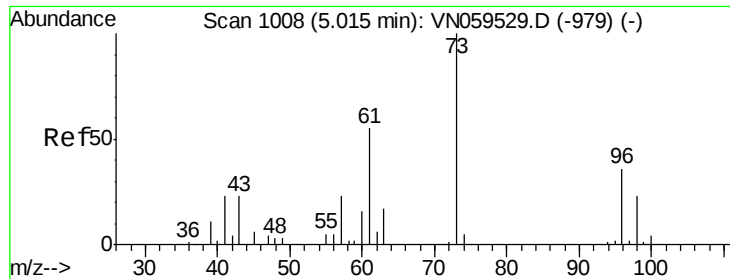
apatel
12/10/2019 5:10:53 PM



#18
Methyl Acetate
Concen: 110.968 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.5	26.3





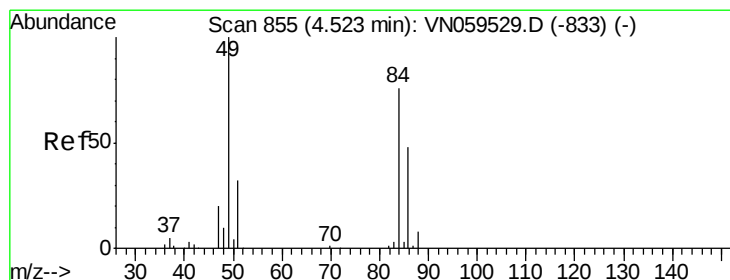
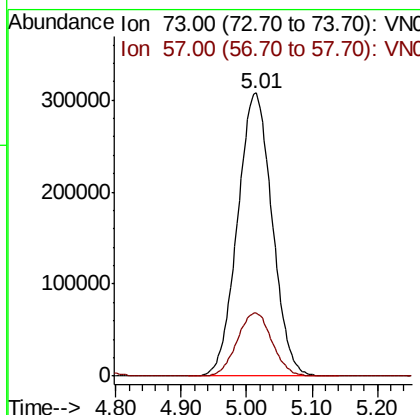
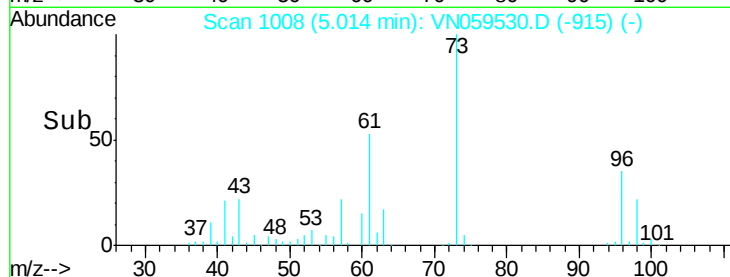
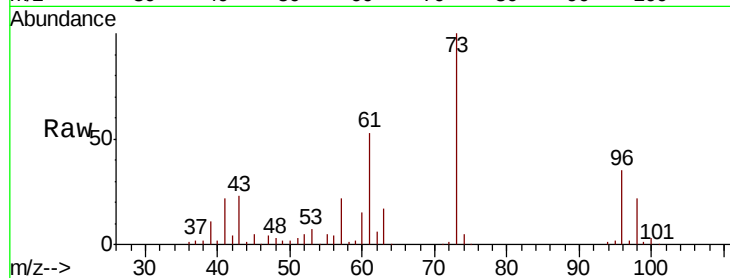
#19
Methvl tert-butvl Ether
Concen: 115.387 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1133573
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5

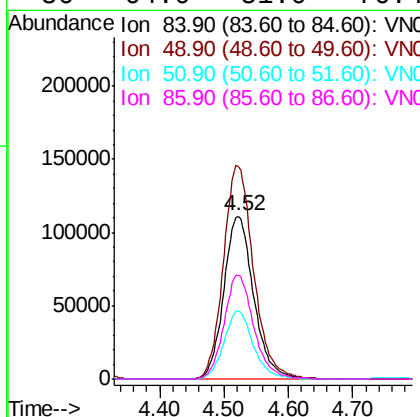
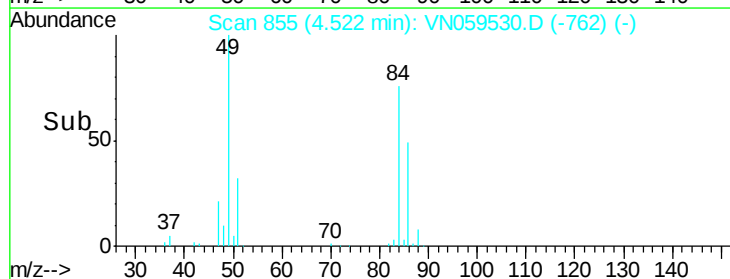
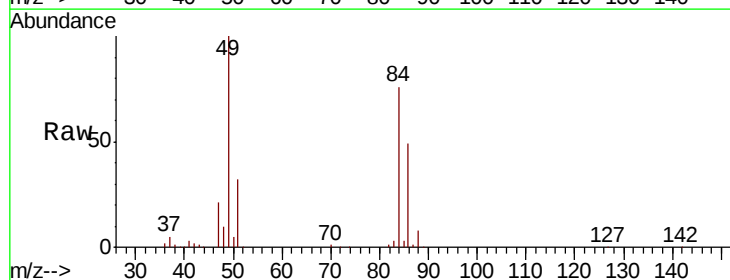
Manual Integrations
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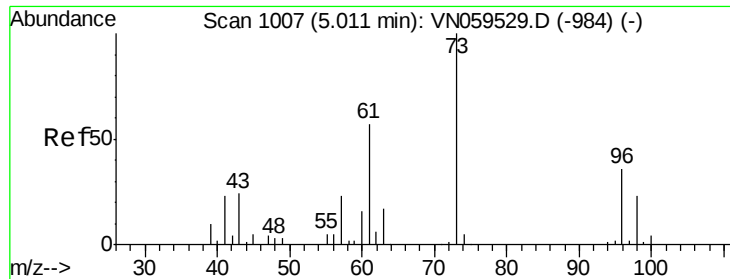
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#20
Methylene Chloride
Concen: 98.284 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion: 84 Resp: 357311
Ion Ratio Lower Upper
84 100
49 131.0 105.8 158.8
51 41.4 33.7 50.5
86 64.0 51.0 76.4





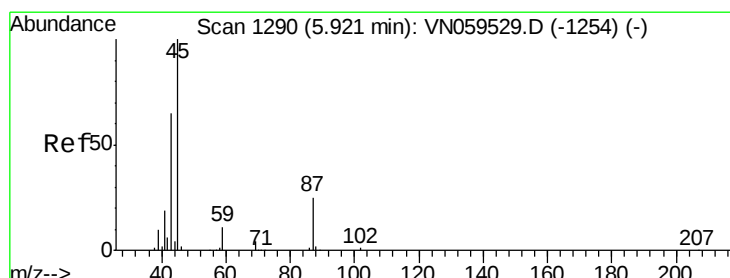
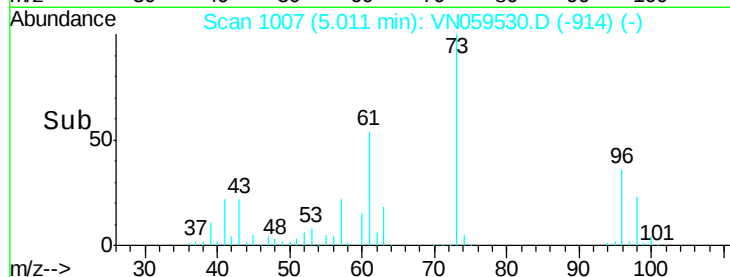
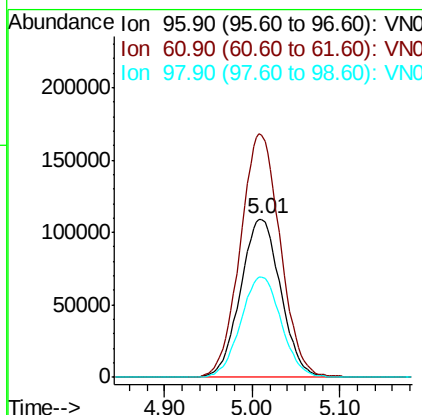
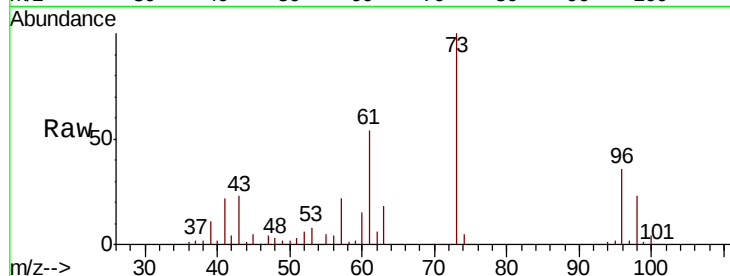
#21
trans-1,2-Dichloroethene
Concen: 108.282 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	124.8	187.2
98	63.8	51.0	76.4

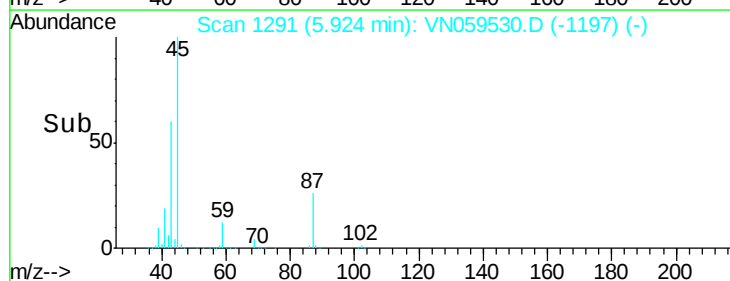
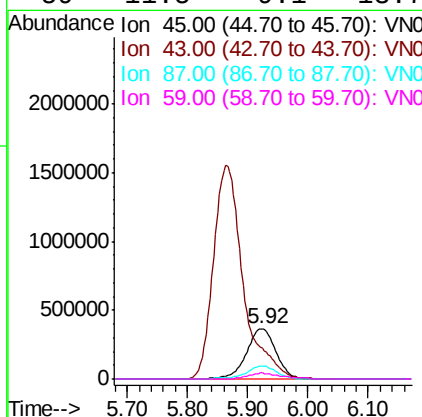
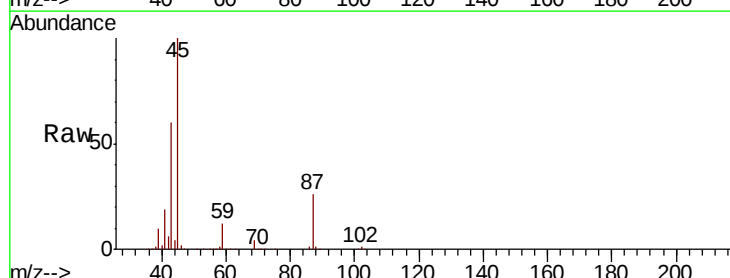
Manual Integrations
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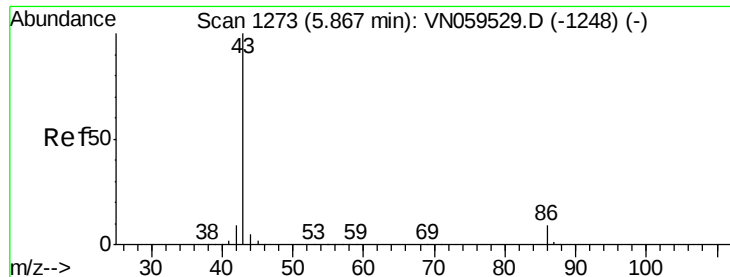
apatel
12/10/2019 5:10:53 PM



#22
Diisopropyl ether
Concen: 118.166 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.8	52.8	79.2
87	26.2	20.2	30.4
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 619.335 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5279607

Ion Ratio Lower Upper

43 100

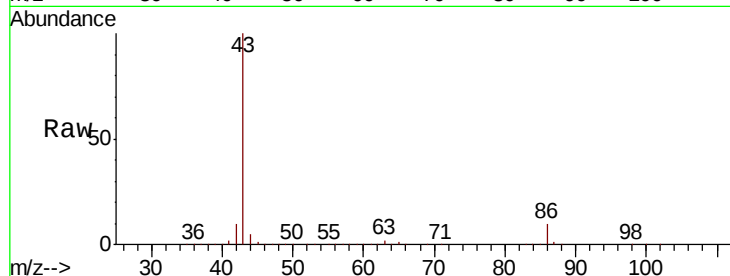
86 9.9 7.4 11.2

Manual Integrations

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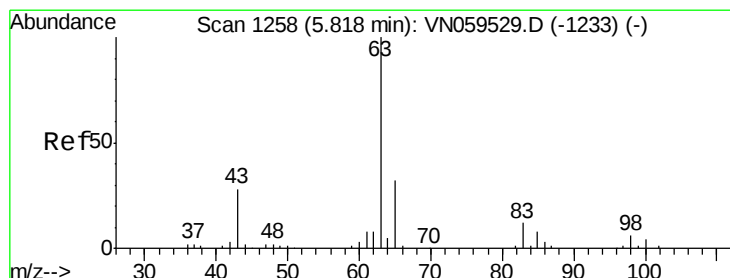
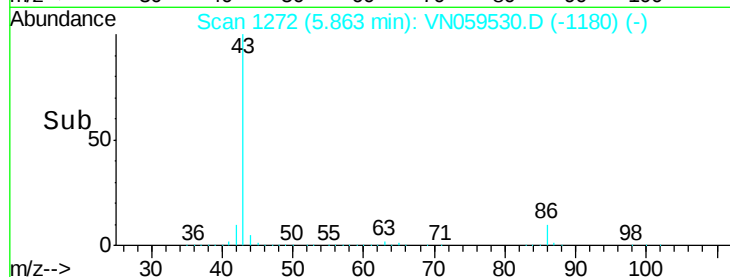
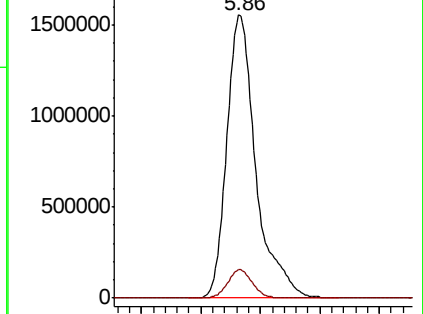
apatel

12/10/2019 5:10:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VN059530.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059530.D (-1180) (-)



#24

1,1-Dichloroethane

Concen: 114.073 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

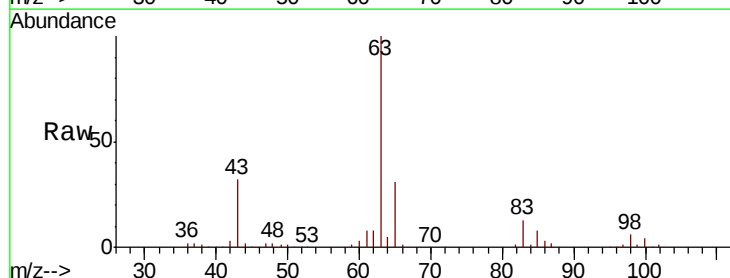
Tgt Ion: 63 Resp: 684183

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

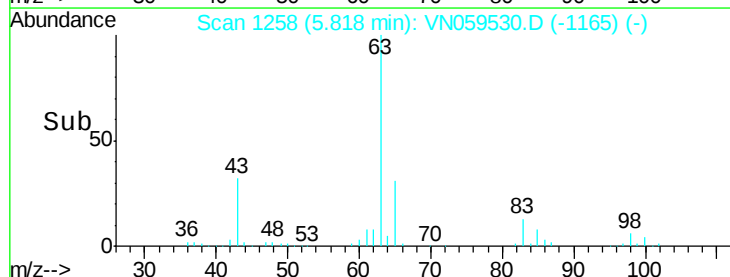
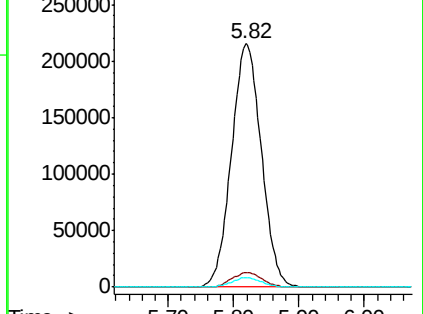
100 3.7 1.8 5.3

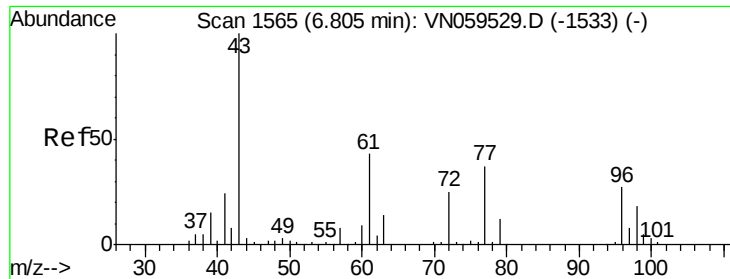


Abundance Ion 62.90 (62.60 to 63.60): VN059530.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059530.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059530.D (-1165) (-)





#25

2-Butanone

Concen: 550.653 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1440589

Ion Ratio Lower Upper

43 100

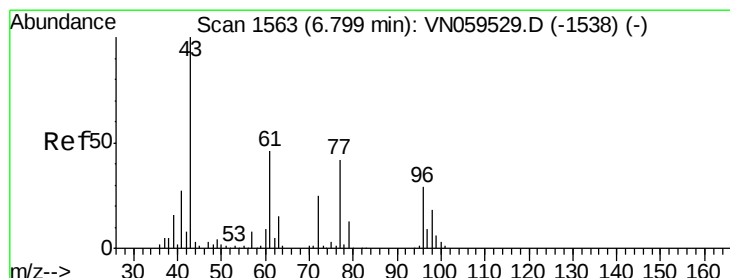
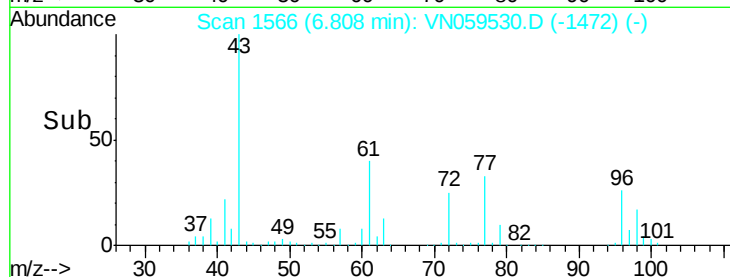
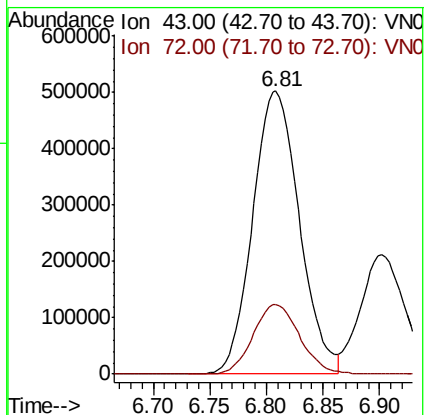
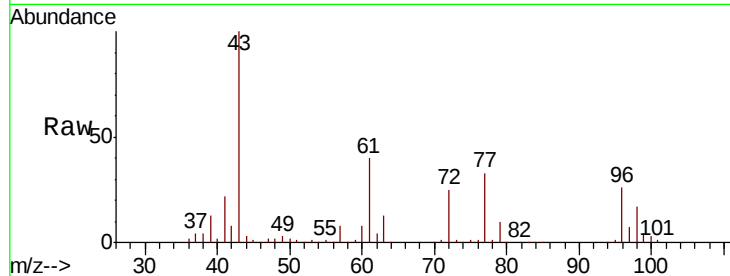
72 24.7 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 116.799 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059530.D

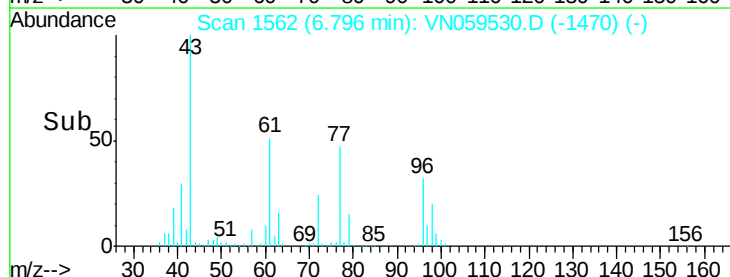
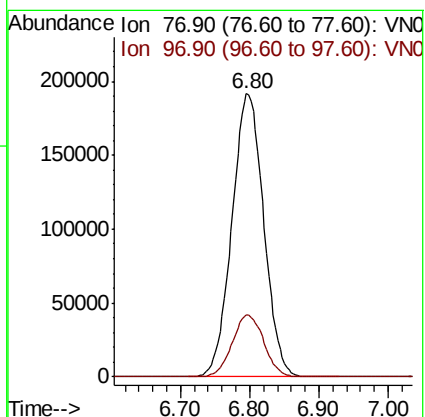
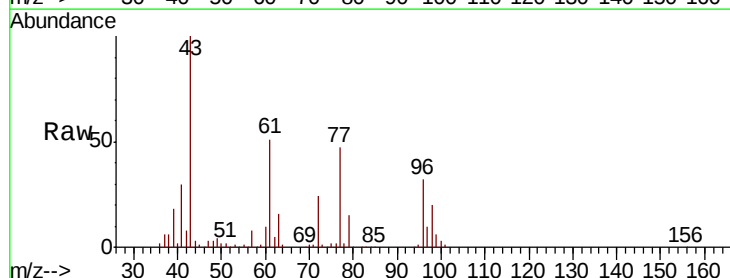
Acq: 9 Dec 2019 16:14

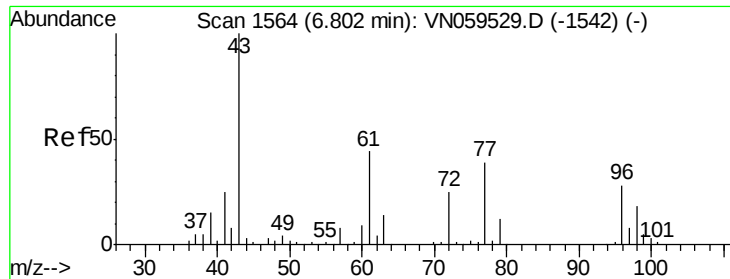
Tgt Ion: 77 Resp: 611692

Ion Ratio Lower Upper

77 100

97 21.8 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 110.460 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

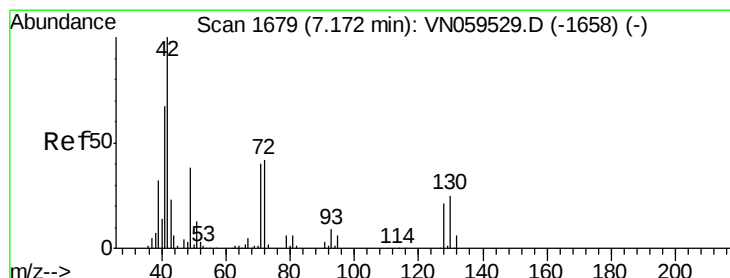
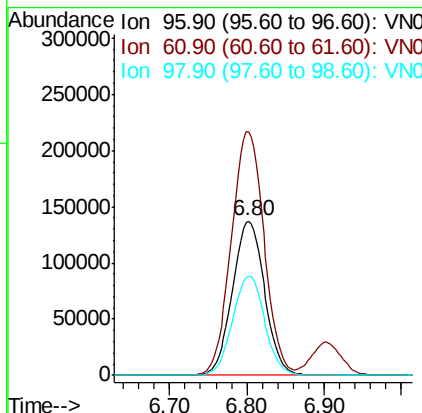
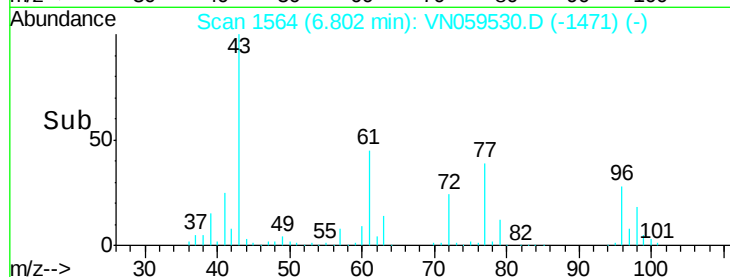
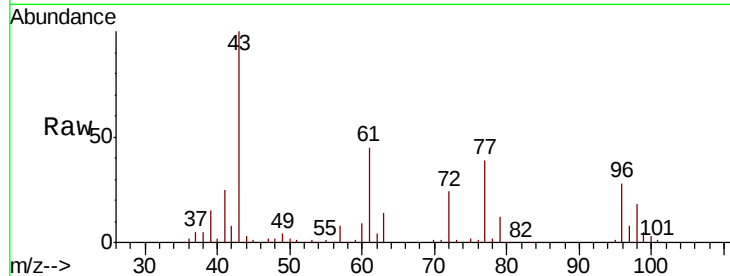
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	394991
Ion	Ratio	Lower	Upper
96	100		
61	161.5	0.0	320.0
98	64.5	0.0	128.6

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#28

Bromochloromethane

Concen: 120.353 ug/l

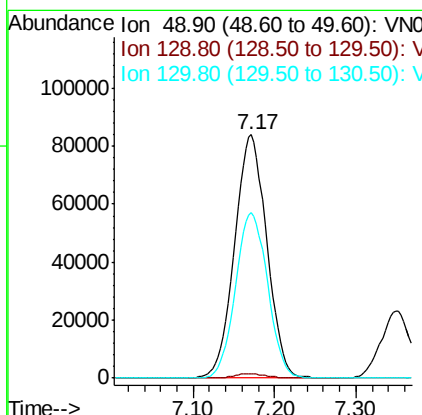
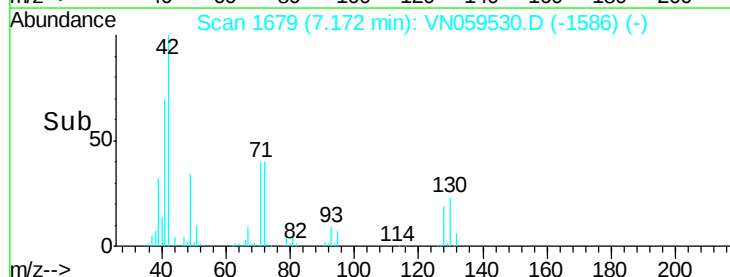
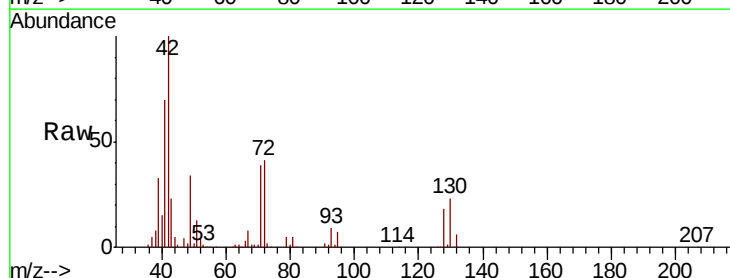
RT: 7.17 min Scan# 1679

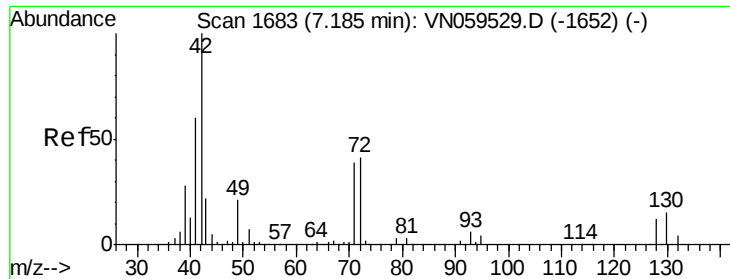
Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Tgt Ion:	49	Resp:	230006
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	67.7	54.2	81.2





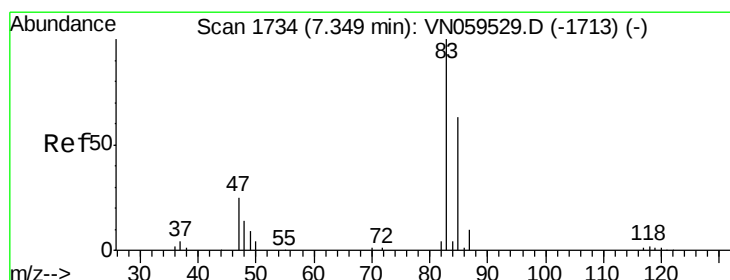
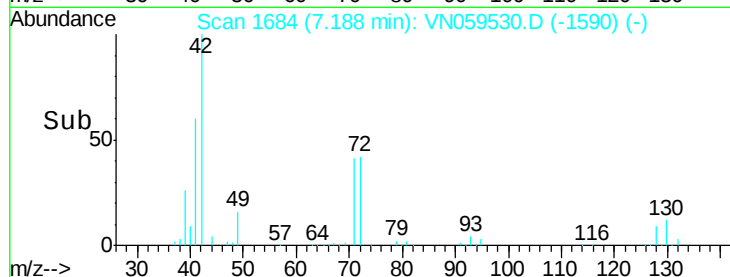
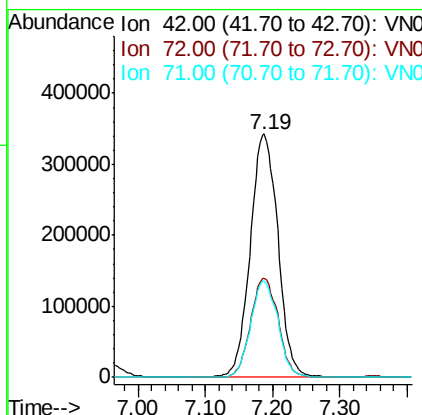
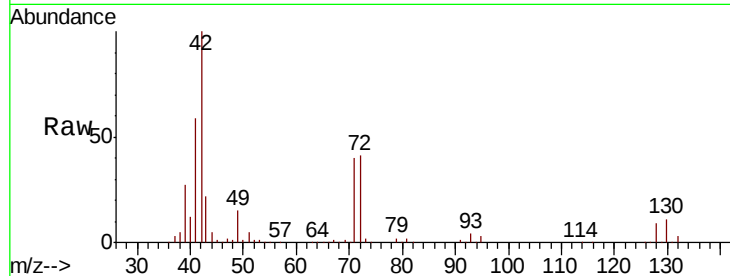
#29
Tetrahydrofuran
Concen: 590.992 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.7	49.1
71	39.1	31.4	47.2

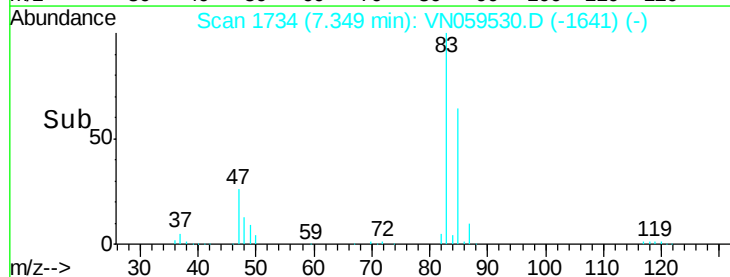
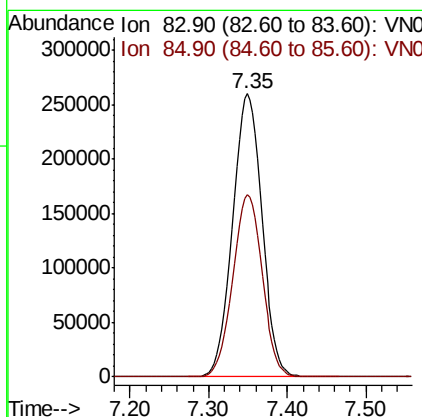
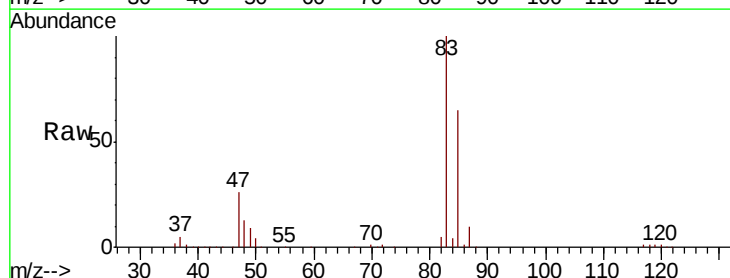
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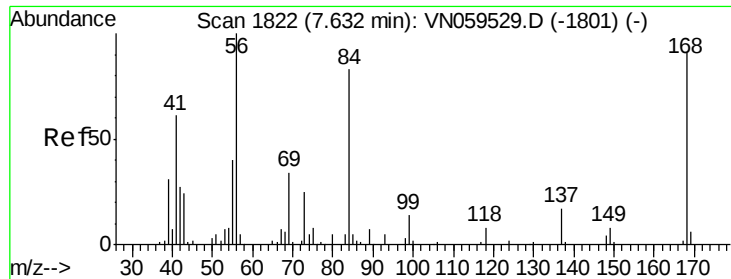
apatel
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#30
Chloroform
Concen: 115.671 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.6	75.8





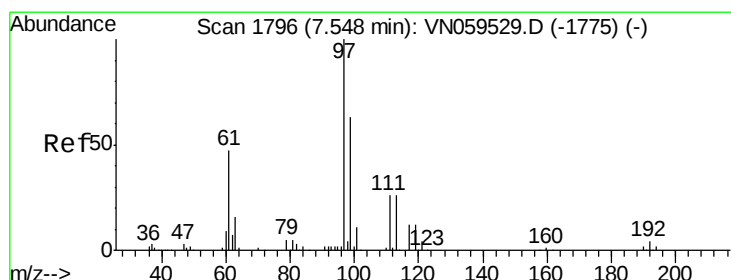
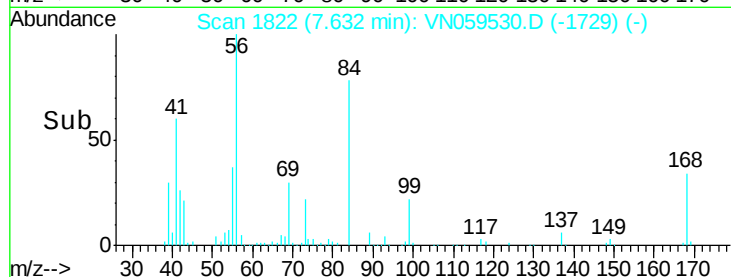
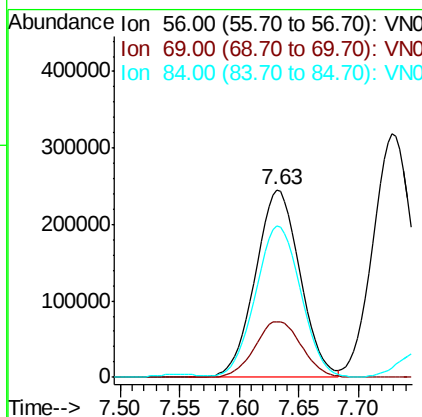
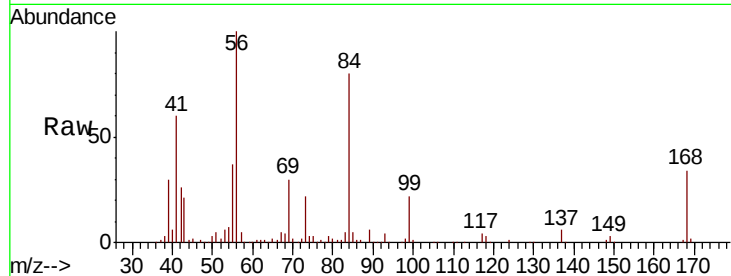
#31
Cyclohexane
Concen: 110.429 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	26.9	40.3
84	79.1	66.5	99.7

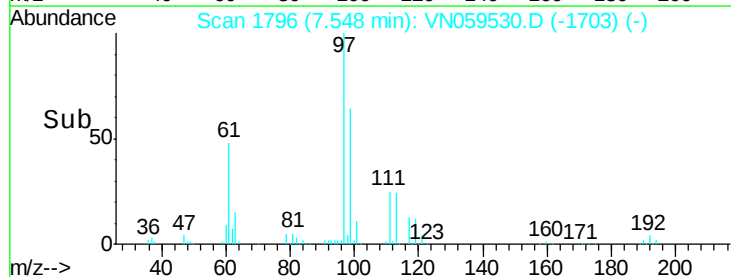
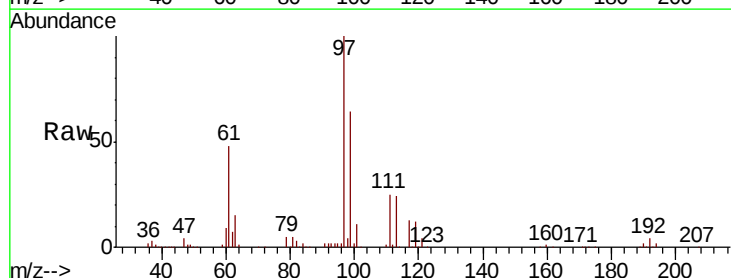
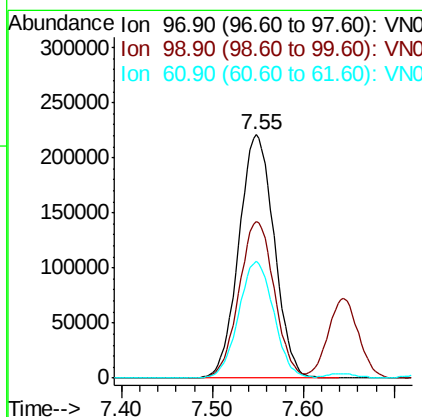
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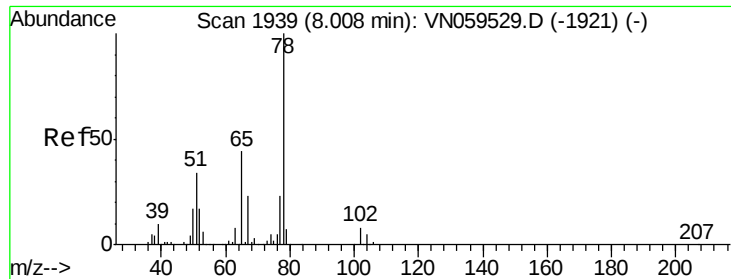
apatel
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#32
1,1,1-Trichloroethane
Concen: 117.285 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	47.5	38.5	57.7





#33

1,2-Dichloroethane-d4

Concen: 114.418 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 402634

Ion Ratio Lower Upper

65 100

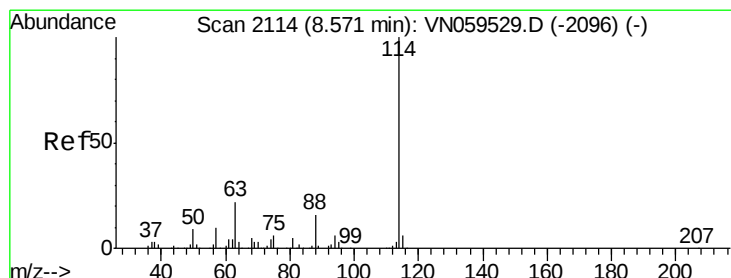
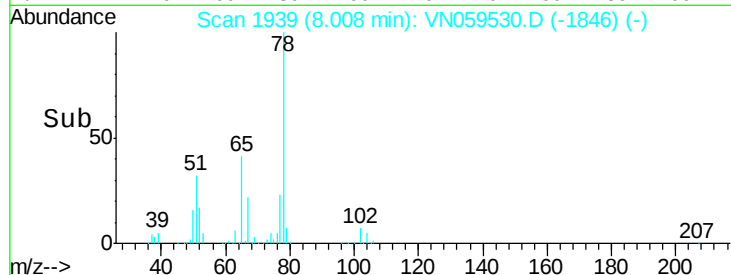
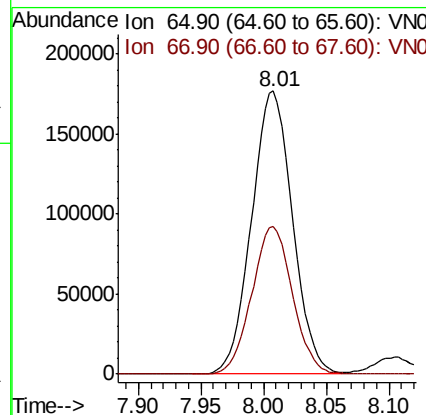
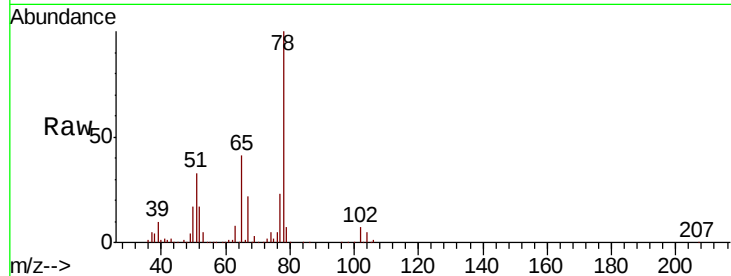
67 51.8 0.0 103.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

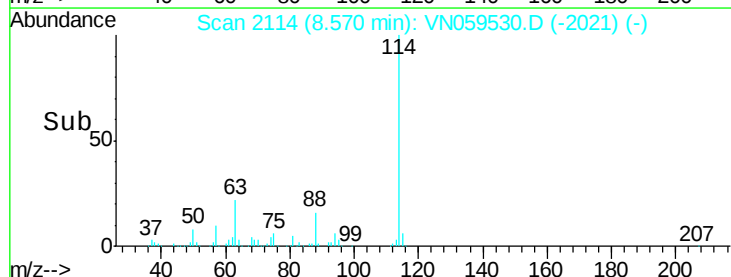
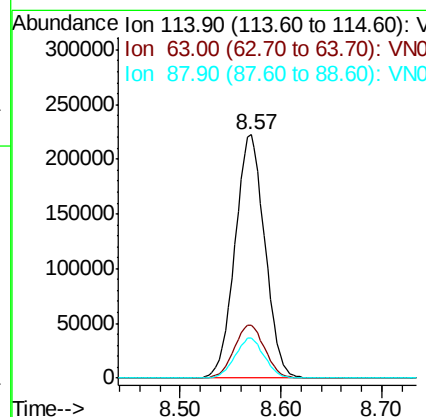
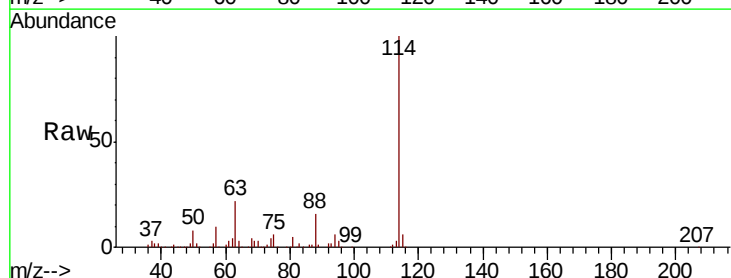
Tgt Ion: 114 Resp: 456753

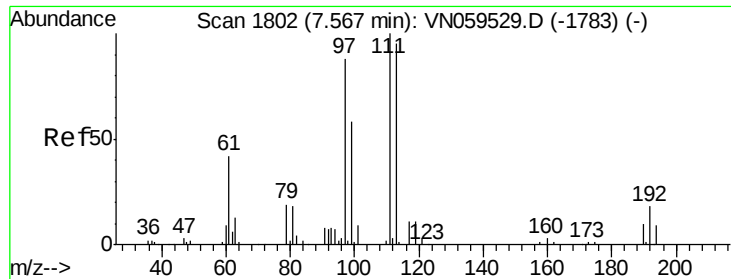
Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.0

88 16.5 0.0 32.2





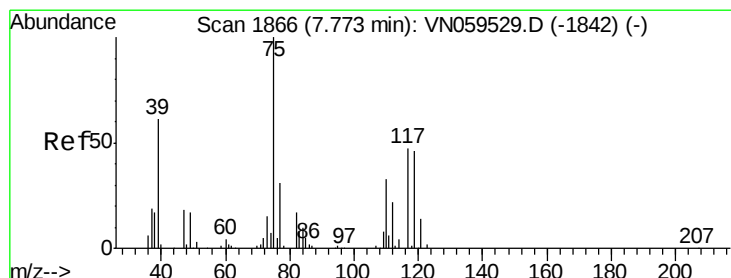
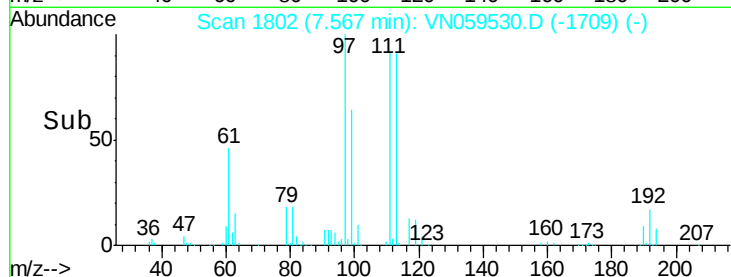
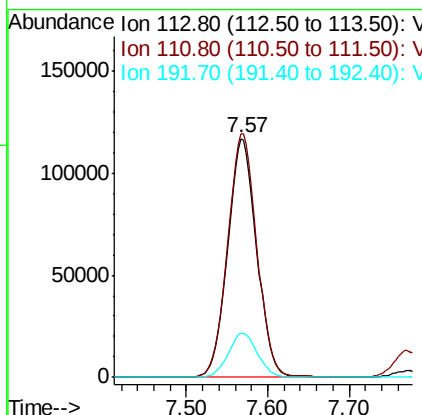
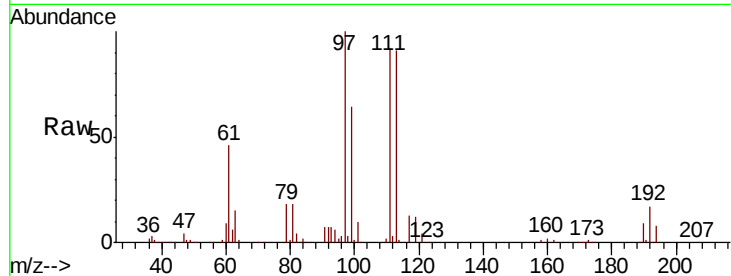
#35
Dibromofluoromethane
Concen: 104.568 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	290365		
111	103.0	82.2	123.4	
192	18.7	14.8	22.2	

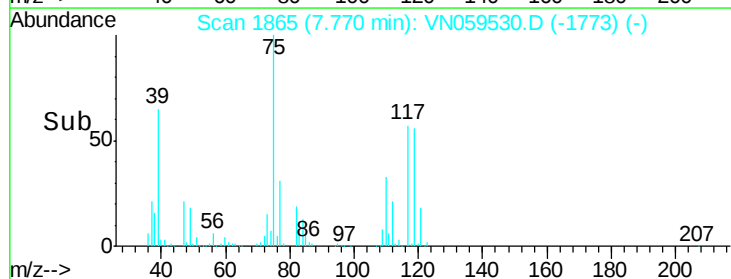
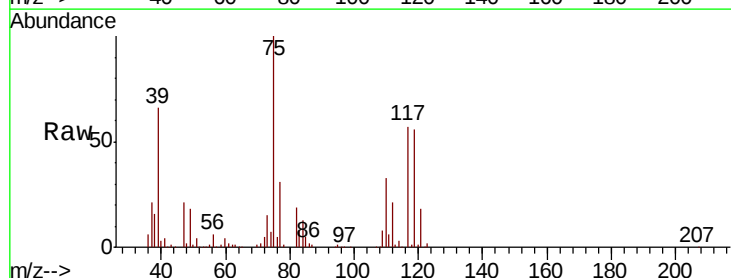
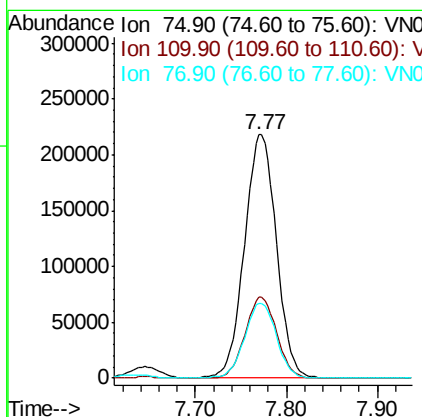
Manual Integrations
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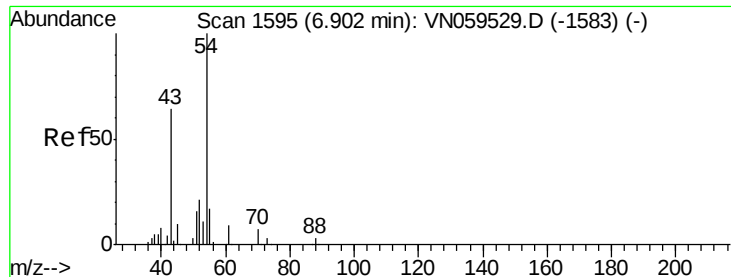
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#36
1,1-Dichloropropene
Concen: 113.722 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	529387		
110	33.0	16.7	50.0	
77	31.0	24.6	37.0	





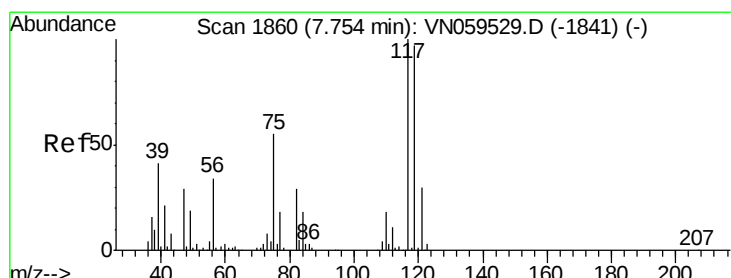
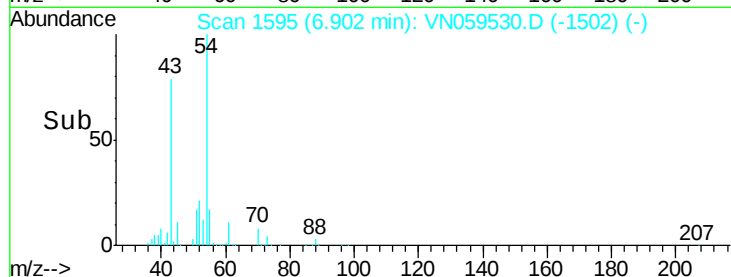
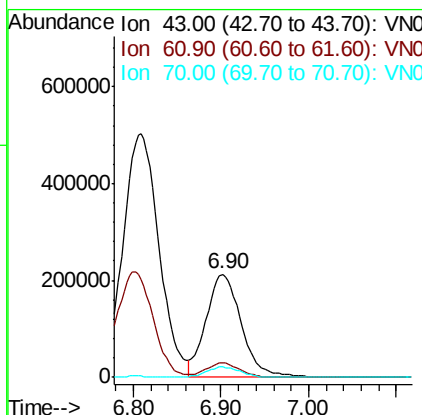
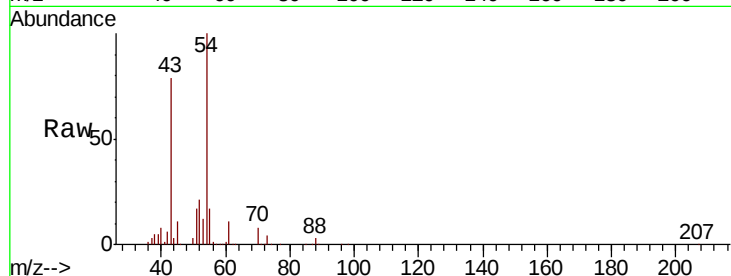
#37
Ethyl Acetate
Concen: 113.552 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.6
70	9.7	7.7	11.5

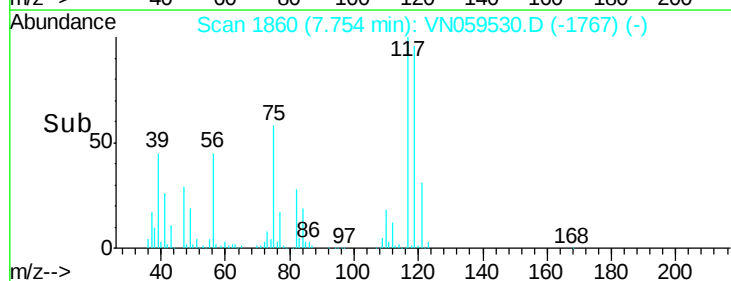
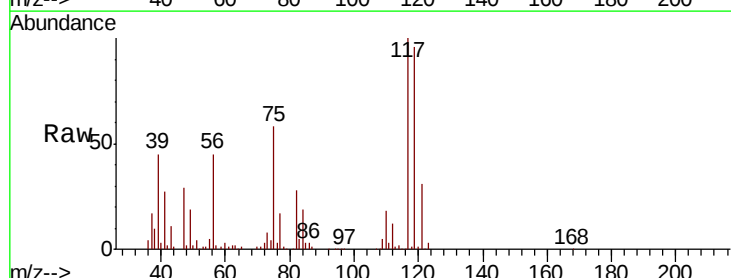
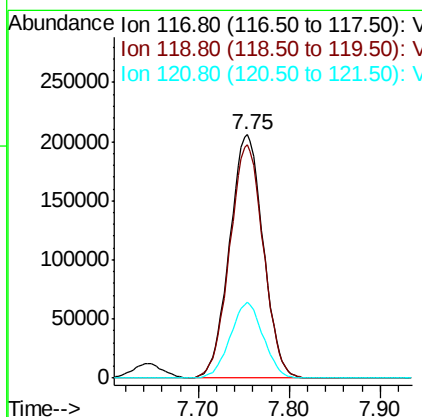
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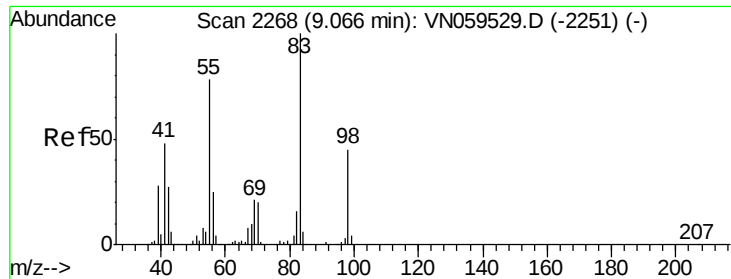
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#38
Carbon Tetrachloride
Concen: 117.202 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.0	115.4
121	31.0	24.1	36.1





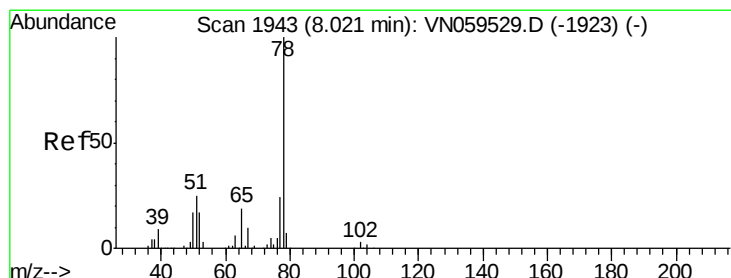
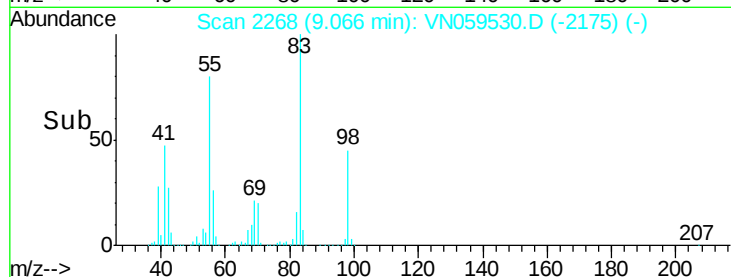
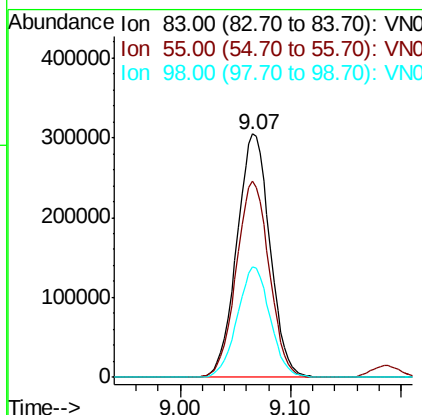
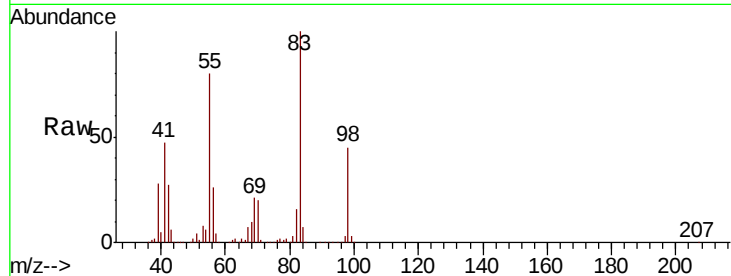
#39
Methvlcvclohexane
Concen: 113.824 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	62.7	94.1
98	45.2	35.7	53.5

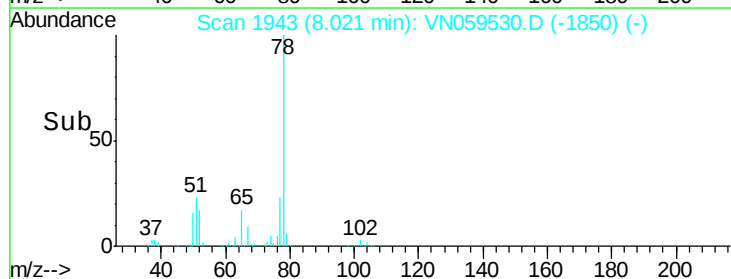
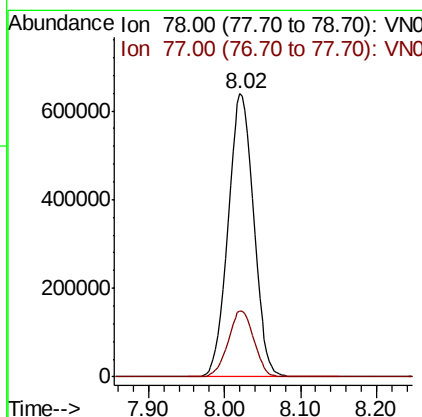
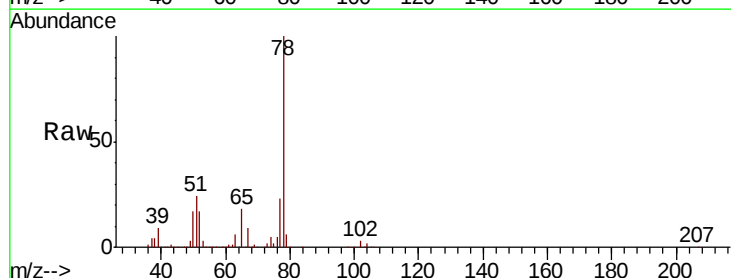
Manual Integrations
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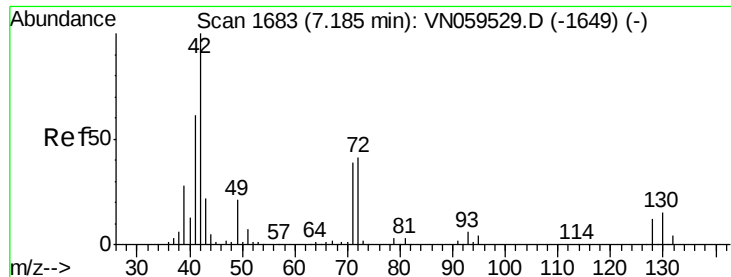
apatel
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#40
Benzene
Concen: 110.387 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





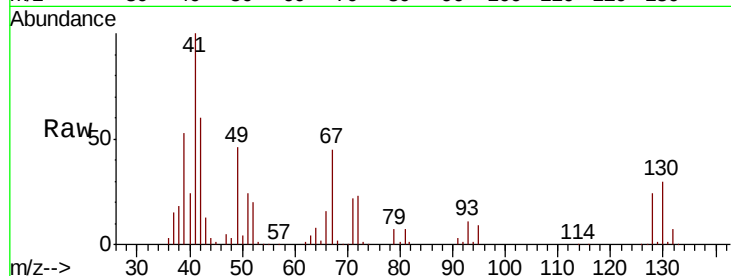
#41
Methacrylonitrile
Concen: 129.624 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

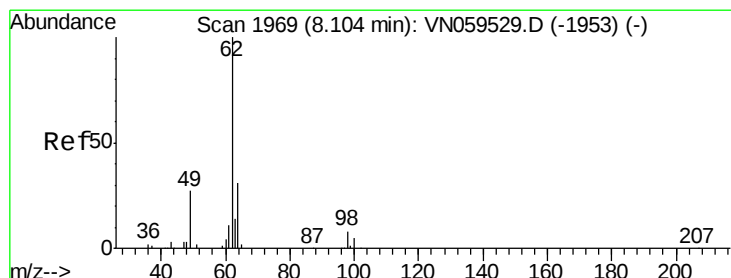
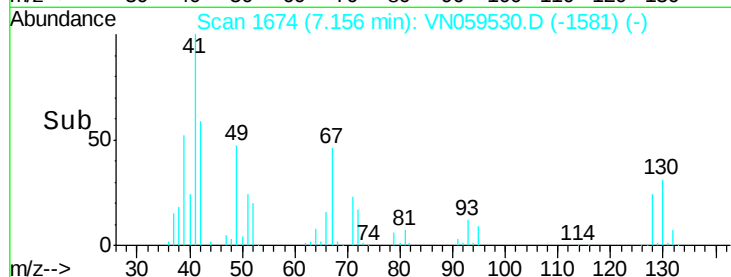
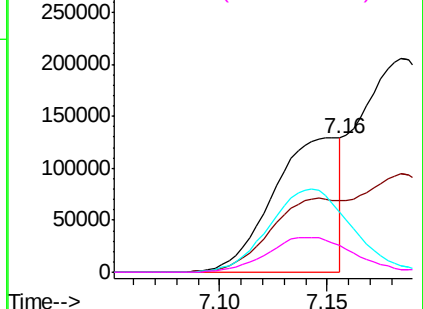
Tot Ion	41	Resp	278067
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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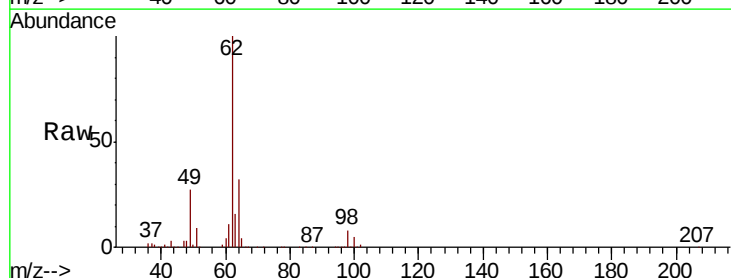


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

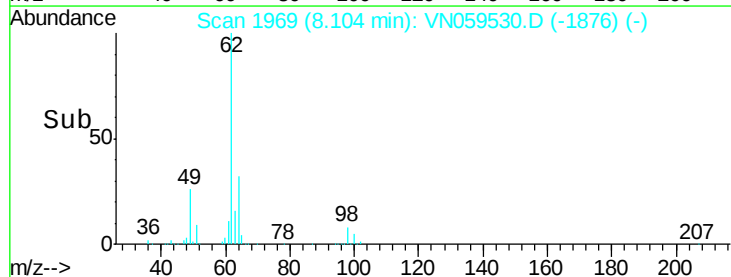
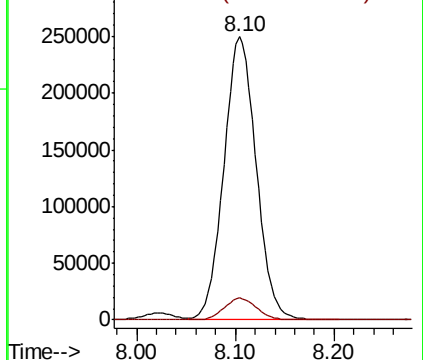


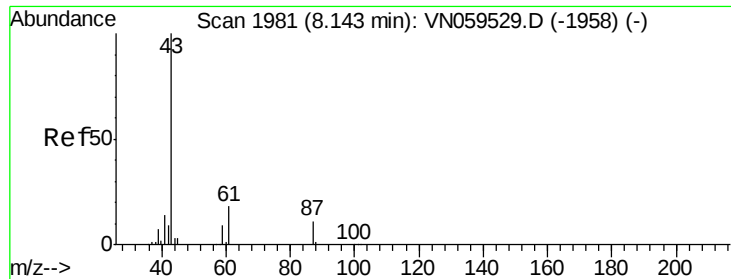
#42
1,2-Dichloroethane
Concen: 120.974 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	62	Resp	570205
Ion Ratio	Lower	Upper	
62	100		
98	7.8	0.0	15.4



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





#43

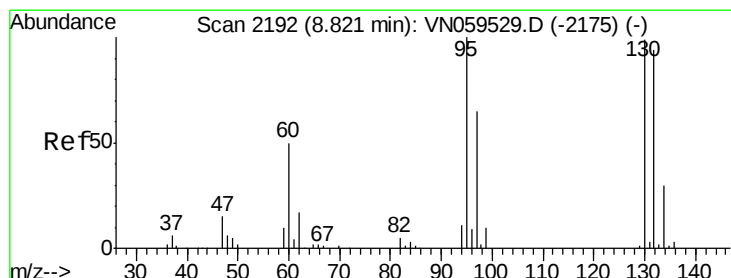
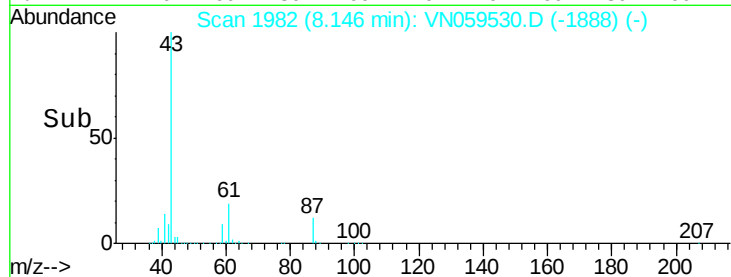
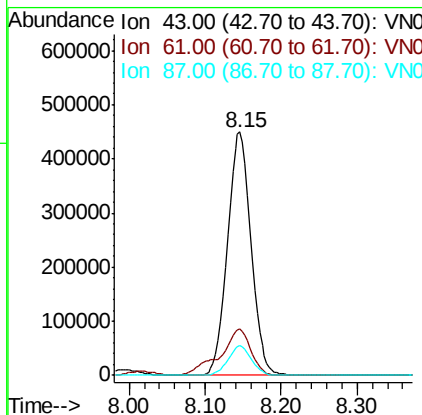
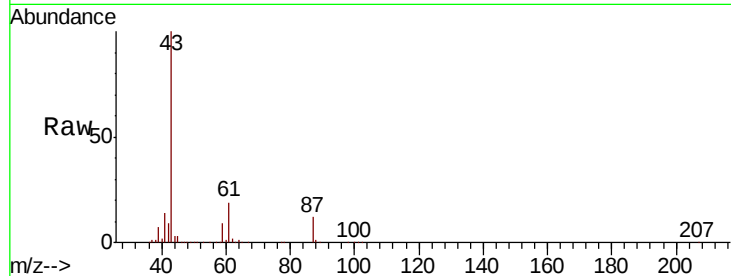
Isopropyl Acetate
 Concen: 124.396 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.8	19.8	29.6
87	12.0	9.4	14.2

Manual Integrations
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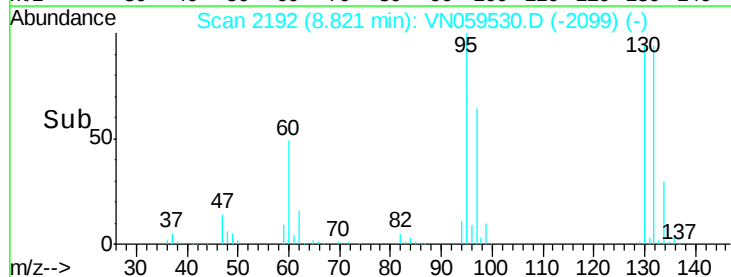
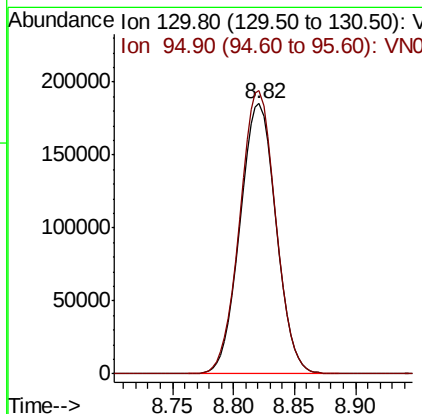
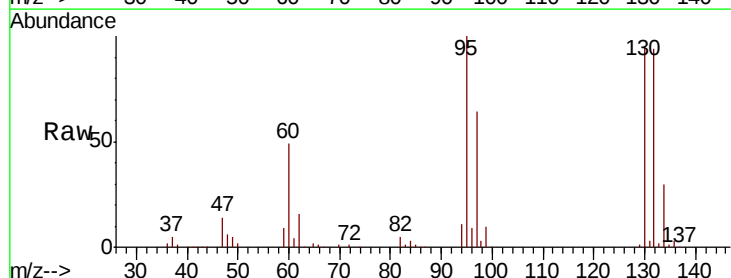
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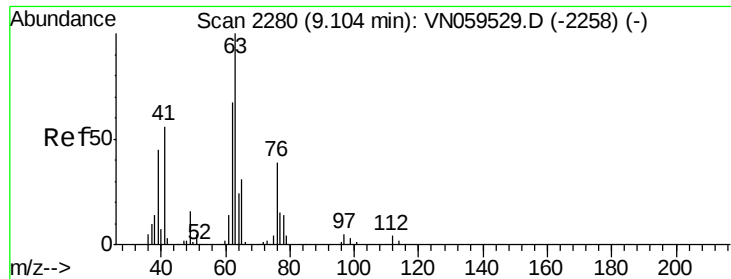


#44

Trichloroethene
 Concen: 107.105 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	202.0





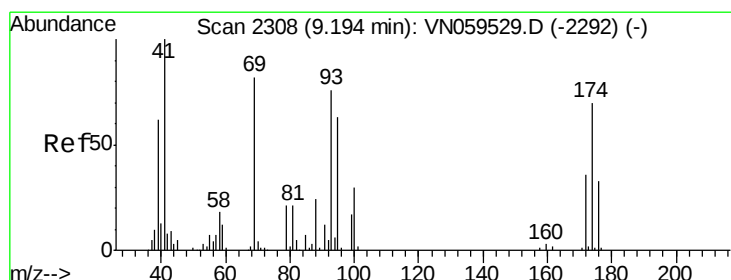
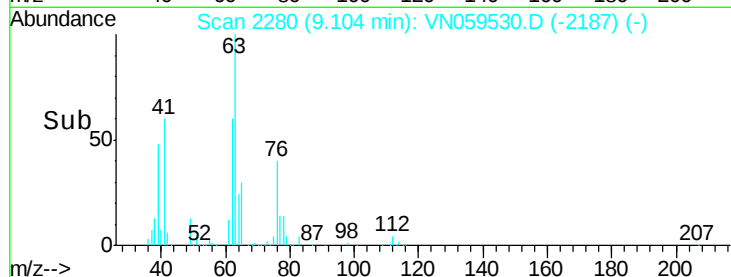
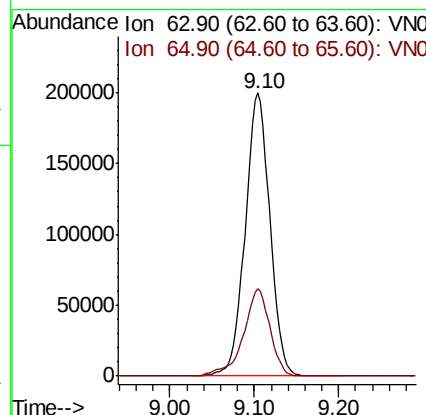
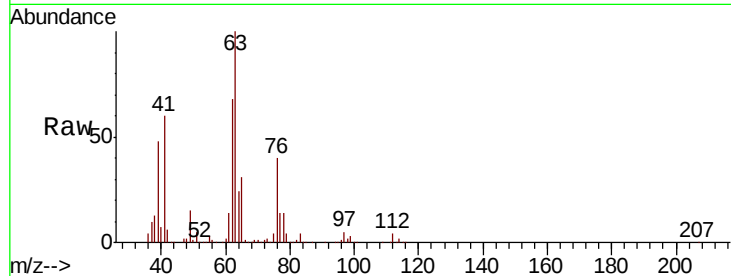
#45
 1,2-Dichloropropane
 Concen: 112.220 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 407624
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.8 37.2

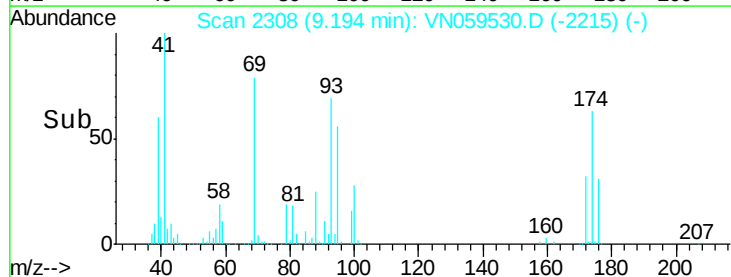
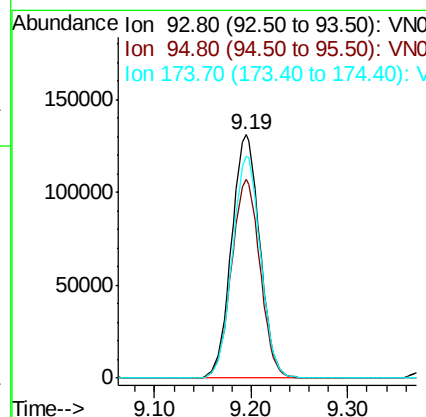
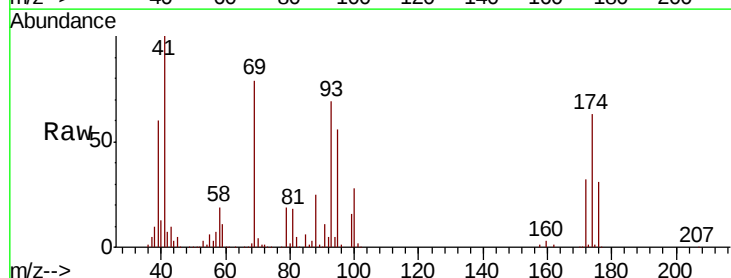
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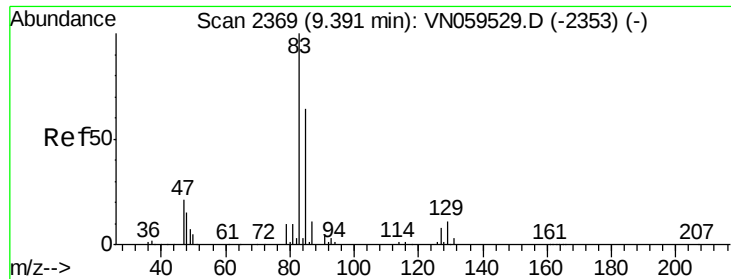
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#46
 Dibromomethane
 Concen: 116.895 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Tgt Ion: 93 Resp: 265779
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.6
 174 91.0 75.6 113.4





#47

Bromodichloromethane

Concen: 119.552 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

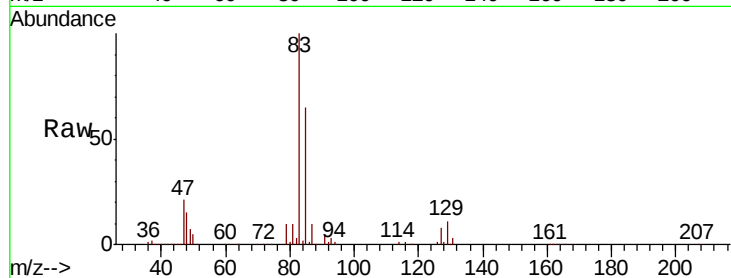
ClientSampleId :

VSTDIC100

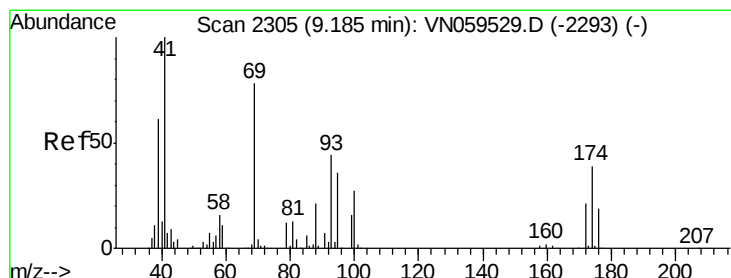
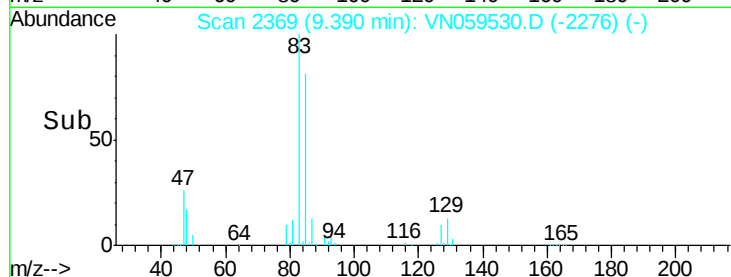
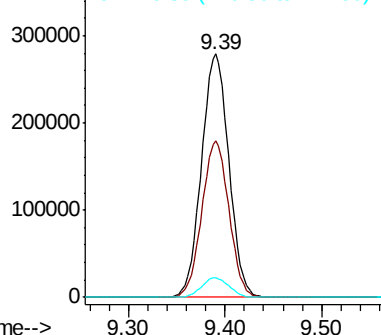
Tot Ion:	83	Resp:	546960
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0
127	8.0	6.7	10.1

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN059530.D (-2276) (-)



#48

Methyl methacrylate

Concen: 125.862 ug/l

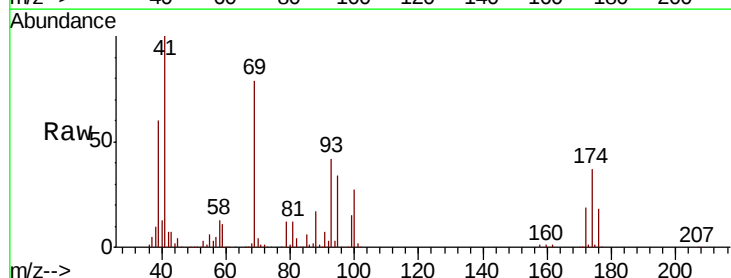
RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

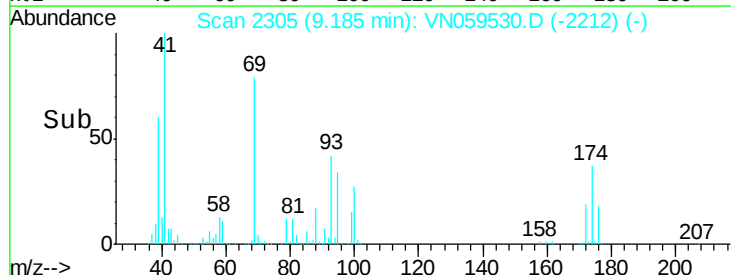
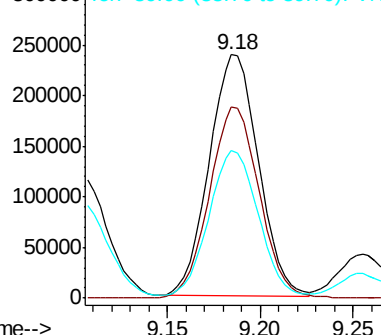
Lab File: VN059530.D

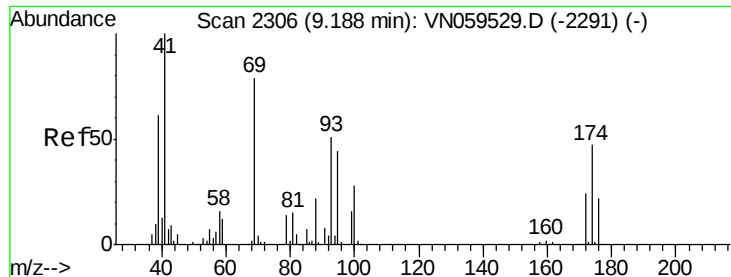
Acq: 9 Dec 2019 16:14

Tgt Ion:	41	Resp:	441149
Ion	Ratio	Lower	Upper
41	100		
69	80.2	64.0	96.0
39	61.9	50.0	75.0



Abundance Ion 41.00 (40.70 to 41.70): VN059530.D (-2212) (-)





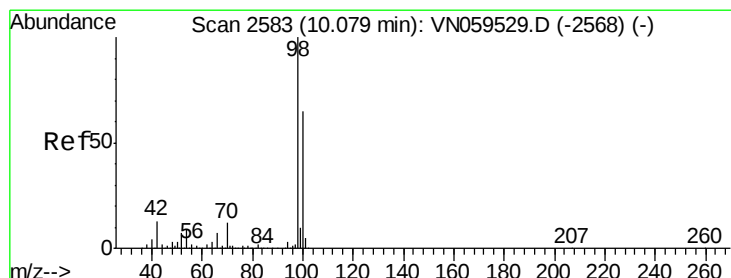
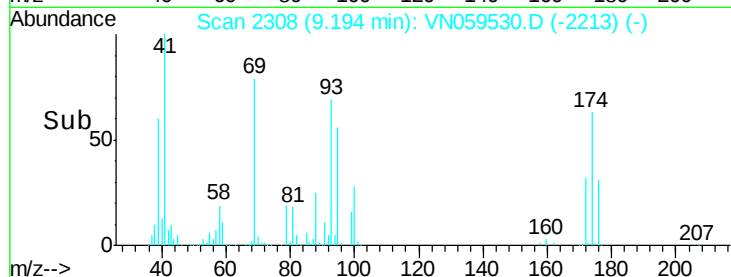
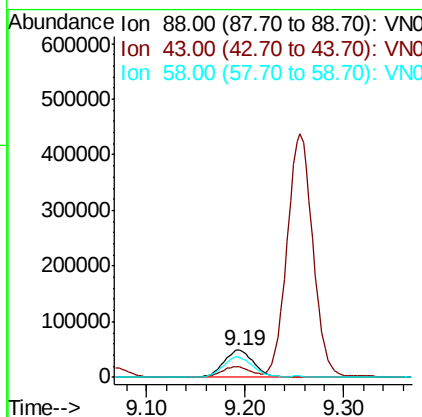
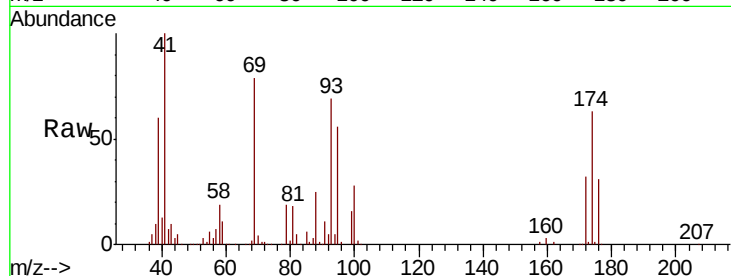
#49
1,4-Dioxane
Concen: 2041.452 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	38.2		31.4	47.0
58	74.7		61.0	91.6

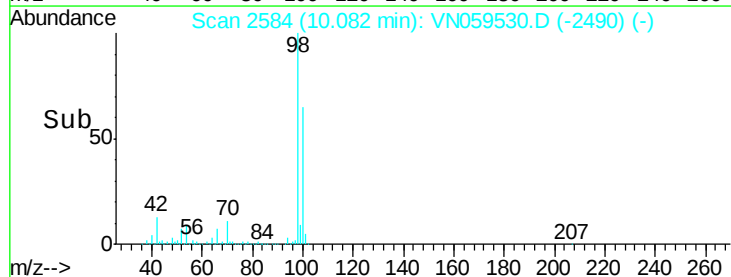
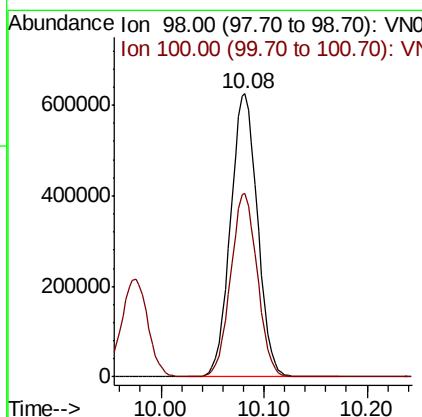
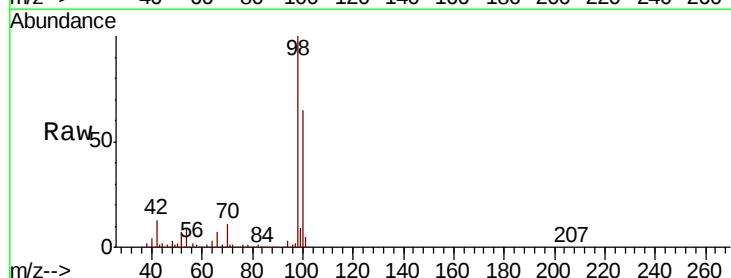
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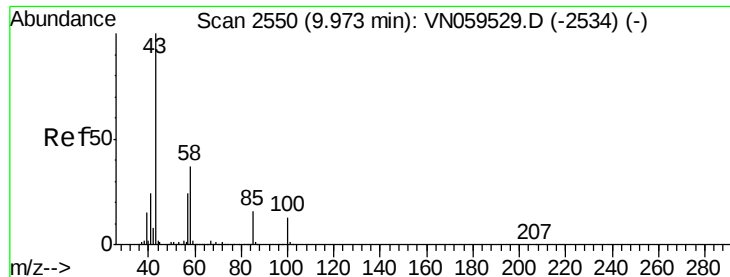
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#50
Toluene-d8
Concen: 104.740 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.4		51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 608.189 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2803880

Ion Ratio Lower Upper

43 100

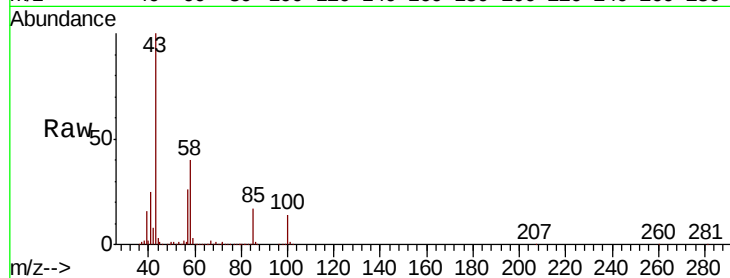
58 39.2 30.1 45.1

Manual Integrations

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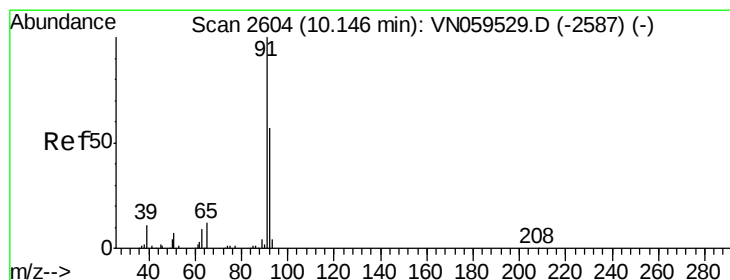
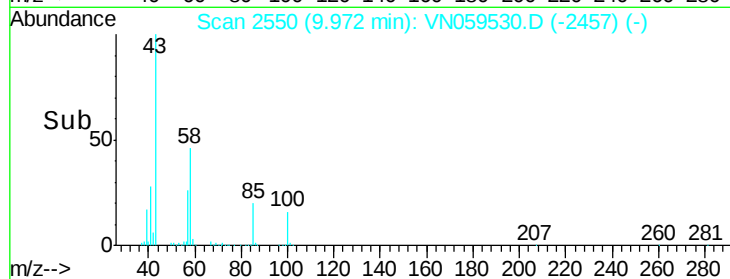
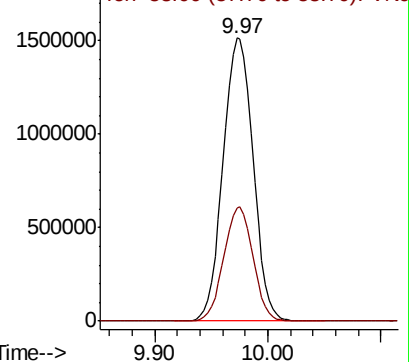
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Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059529.D (-2534) (-)



#52

Toluene

Concen: 113.527 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059530.D

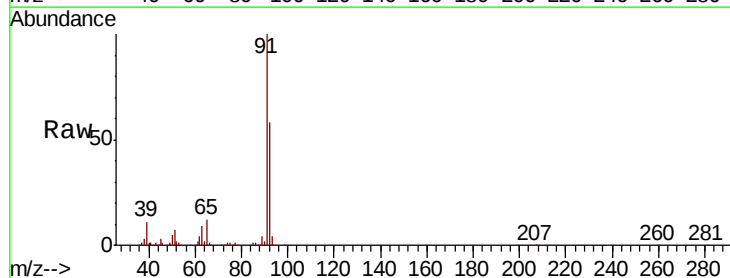
Acq: 9 Dec 2019 16:14

Tgt Ion: 92 Resp: 929632

Ion Ratio Lower Upper

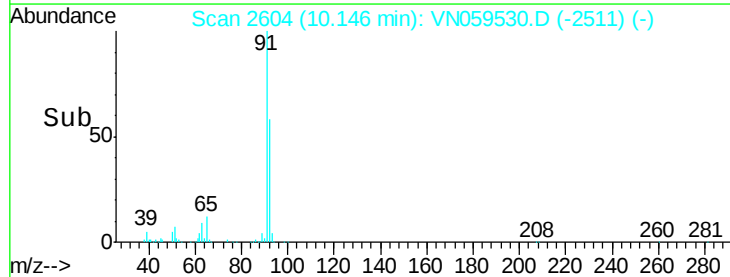
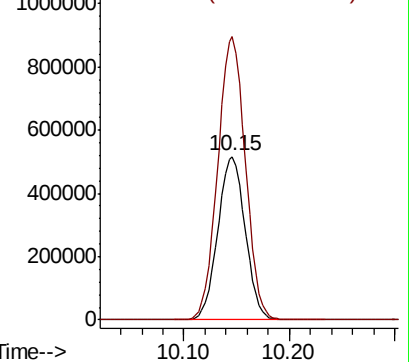
92 100

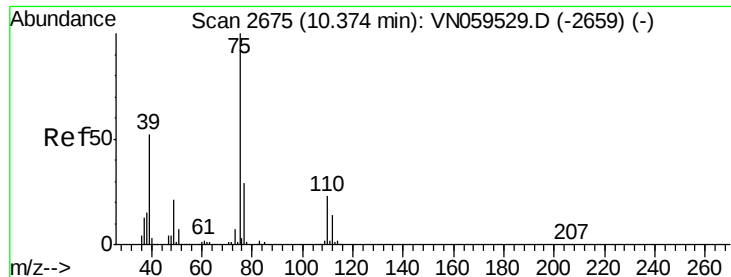
91 174.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN059529.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059529.D (-2587) (-)





#53

t-1,3-Dichloropropene

Concen: 119.483 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 641060

Ion Ratio Lower Upper

75 100

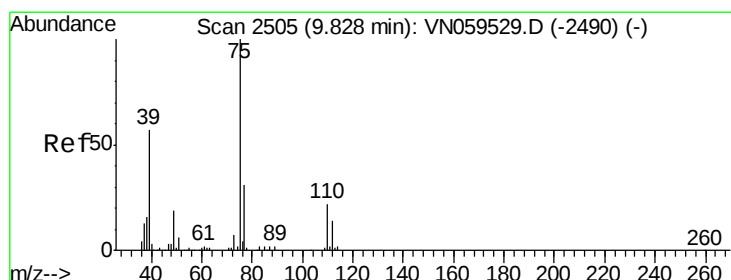
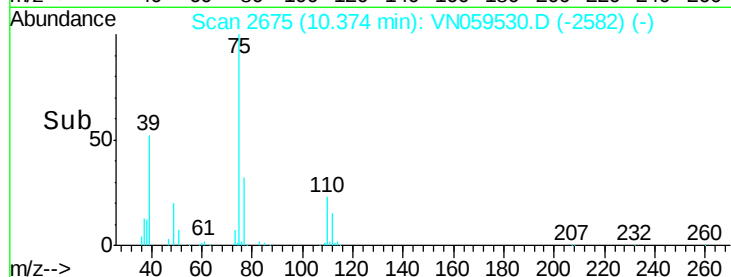
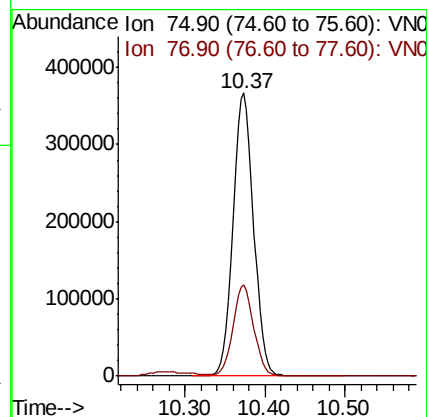
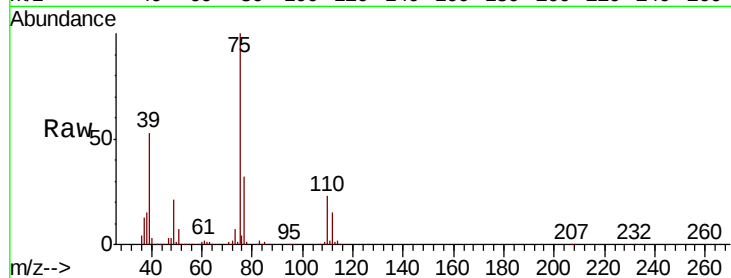
77 32.1 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 116.934 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

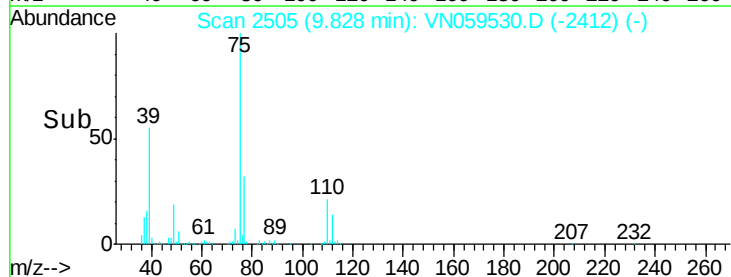
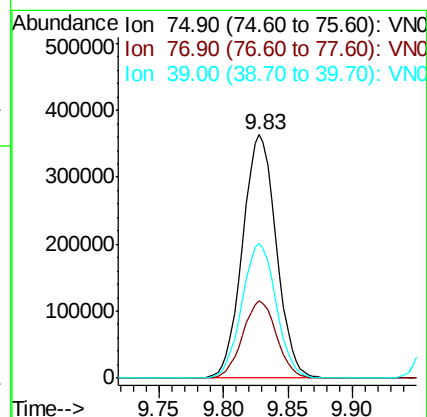
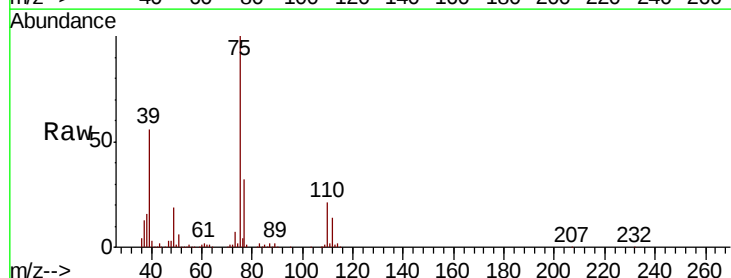
Tgt Ion: 75 Resp: 661881

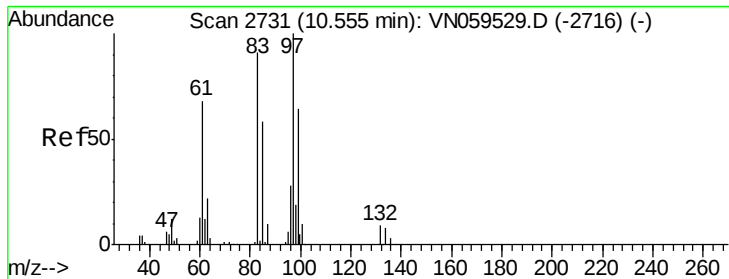
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 55.4 45.6 68.4





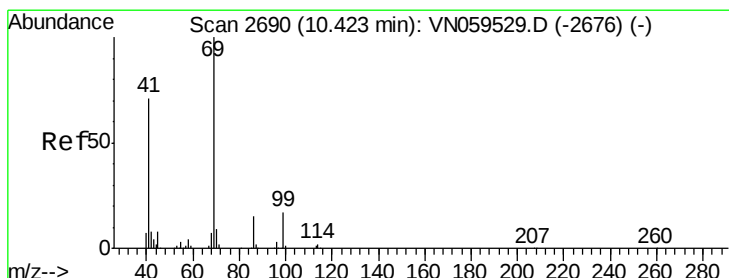
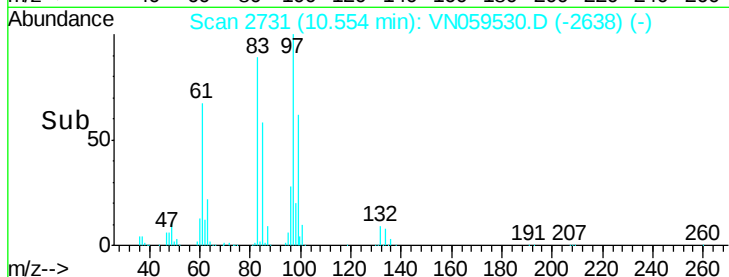
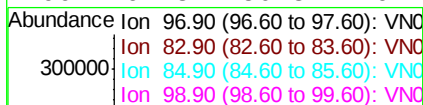
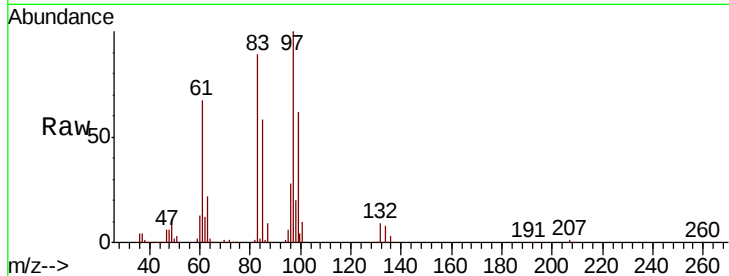
#55
 1,1,2-Trichloroethane
 Concen: 113.012 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	365404
Ion	Ratio	Lower	Upper
97	100		
83	89.2	72.9	109.3
85	58.1	46.1	69.1
99	62.3	50.8	76.2

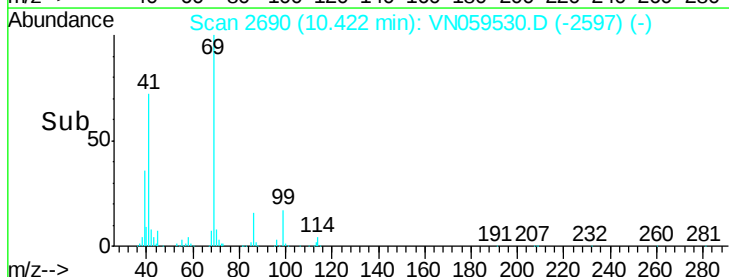
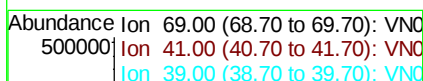
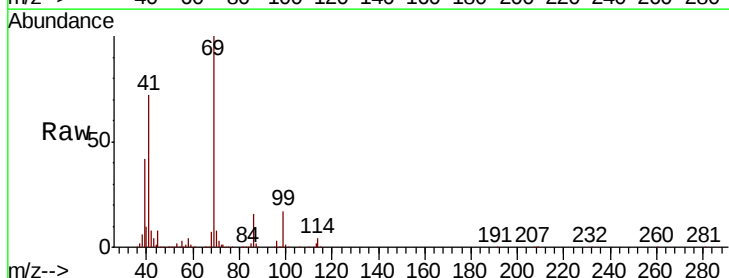
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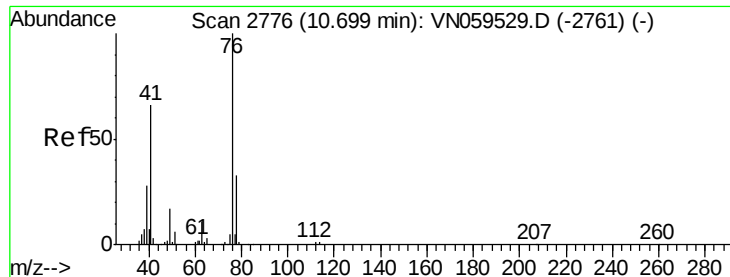
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#56
 Ethyl methacrylate
 Concen: 129.530 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Tgt Ion:	69	Resp:	606755
Ion	Ratio	Lower	Upper
69	100		
41	72.2	57.7	86.5
39	40.5	34.2	51.2





#57

1,3-Dichloropropane

Concen: 114.275 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 641545

Ion Ratio Lower Upper

76 100

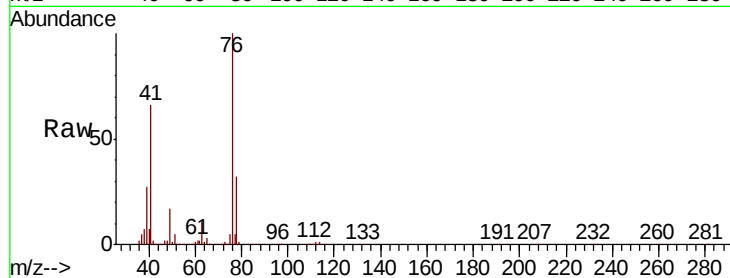
78 32.3 26.1 39.1

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

400000

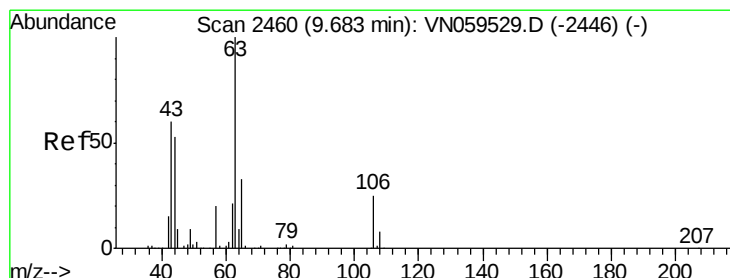
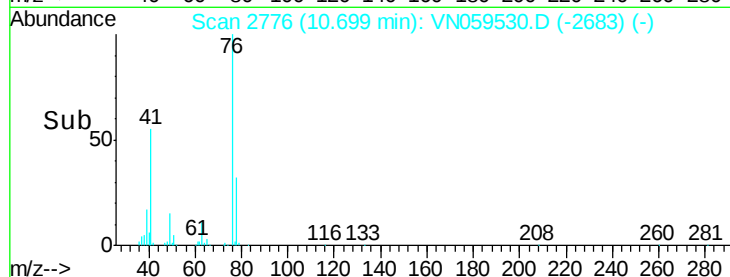
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 504.552 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059530.D

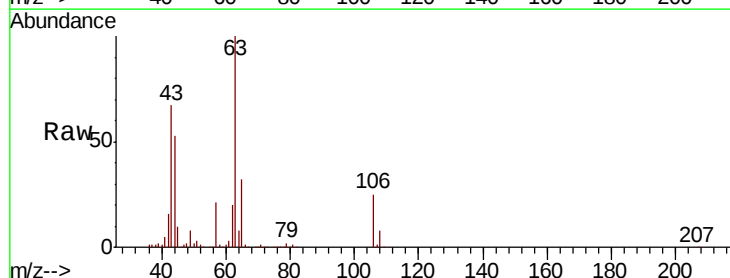
Acq: 9 Dec 2019 16:14

Tgt Ion: 63 Resp: 690541

Ion Ratio Lower Upper

63 100

106 25.4 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

400000

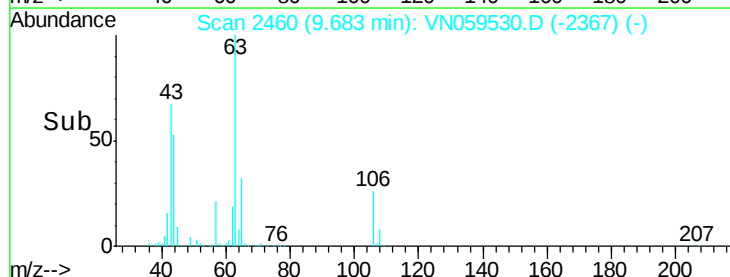
300000

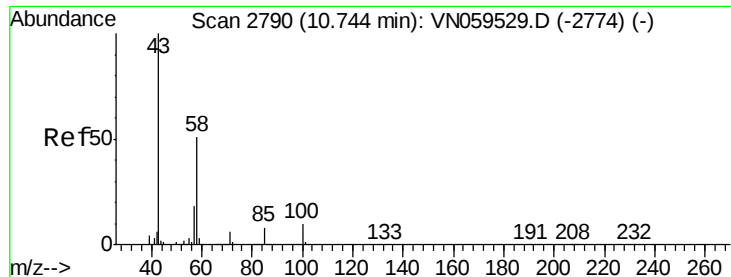
200000

100000

0

Time-->





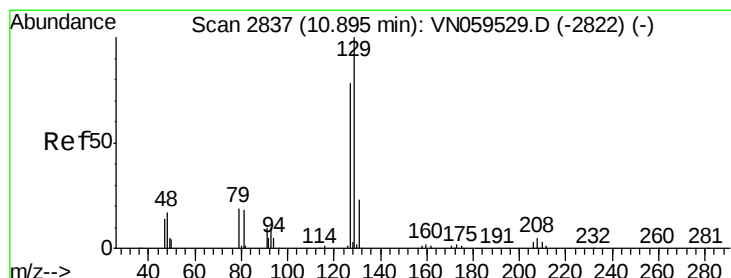
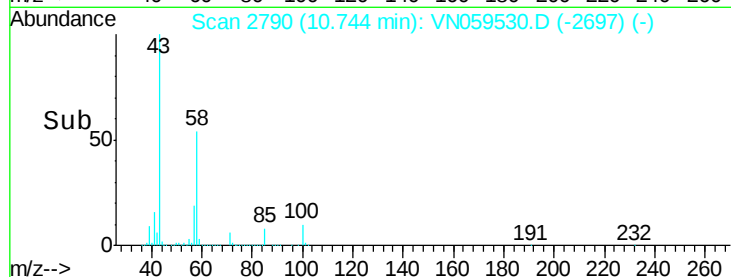
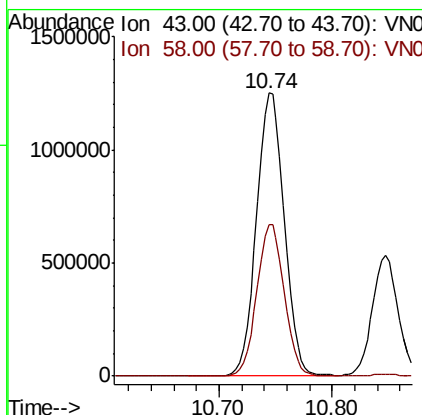
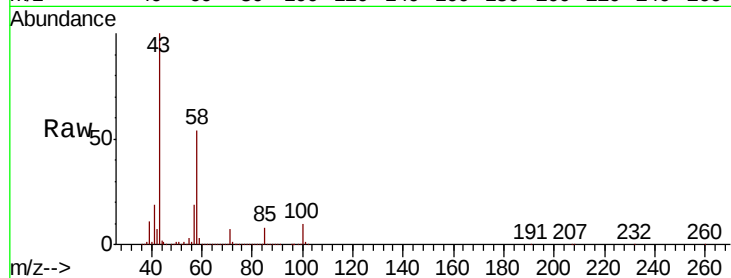
#59
2-Hexanone
Concen: 616.229 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 2138078
Ion Ratio Lower Upper
43 100
58 52.9 25.9 77.6

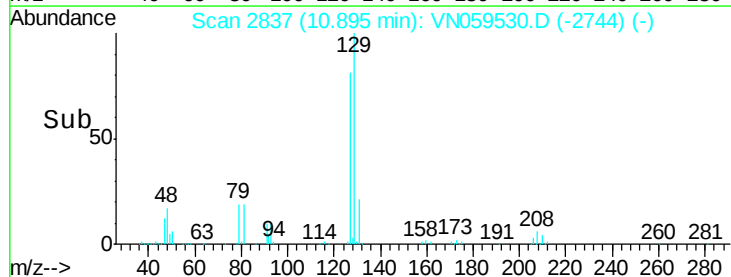
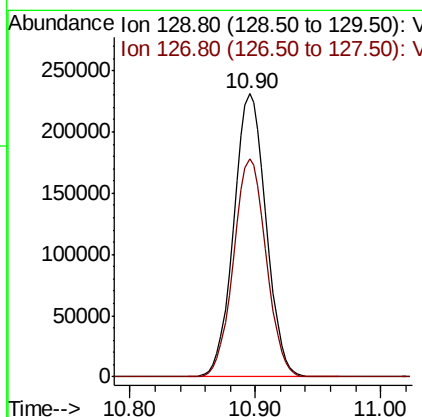
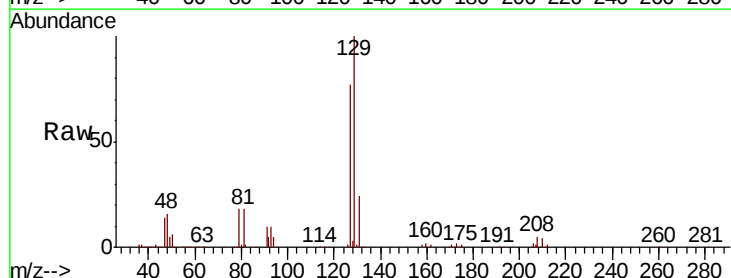
Manual Integrations
APPROVED

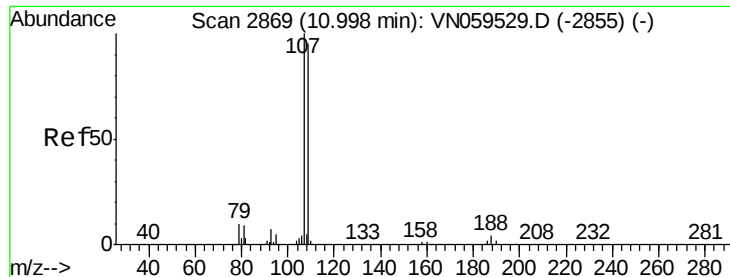
apatel
12/10/2019 5:10:53 PM



#60
Dibromochloromethane
Concen: 118.829 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion: 129 Resp: 412842
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 116.405 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 389905

Ion Ratio Lower Upper

107 100

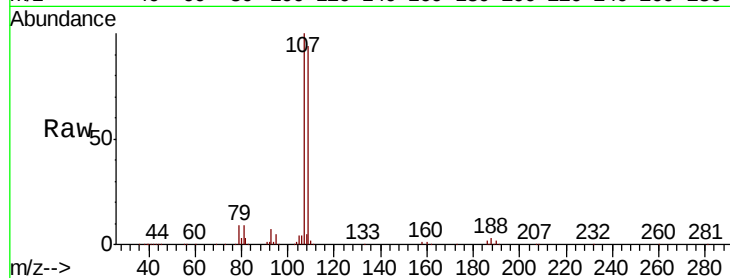
109 93.9 76.1 114.1

Manual Integrations

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apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

250000

200000

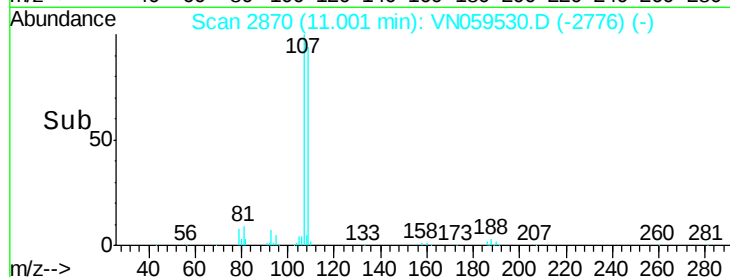
150000

100000

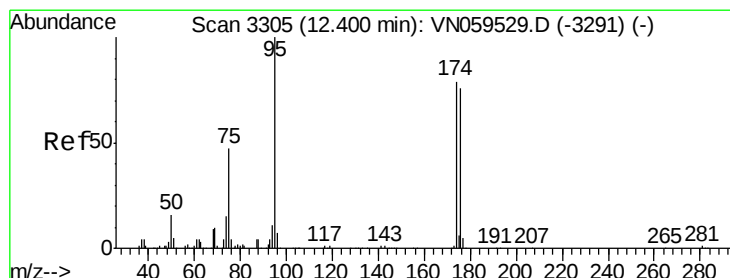
50000

0

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 106.874 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

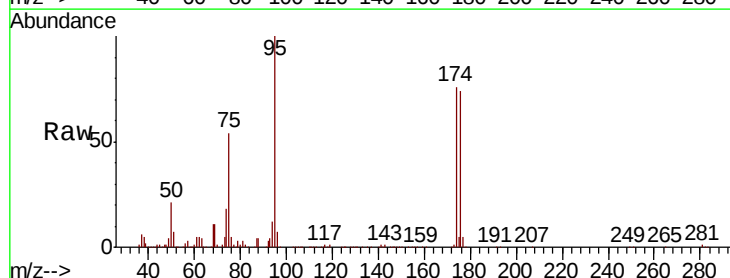
Tgt Ion: 95 Resp: 418288

Ion Ratio Lower Upper

95 100

174 75.4 0.0 158.0

176 73.7 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

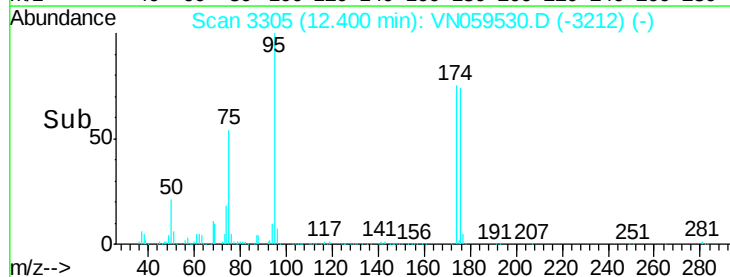
300000

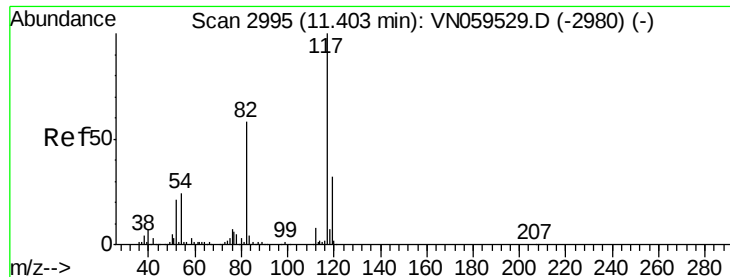
200000

100000

0

Time-->





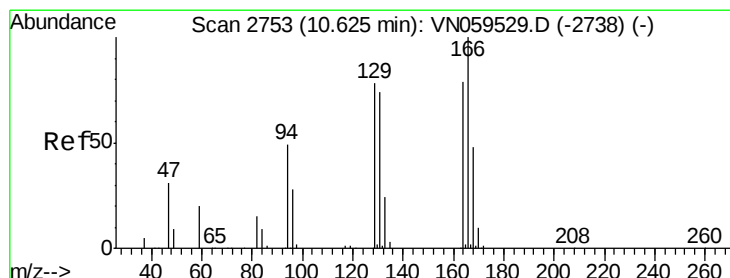
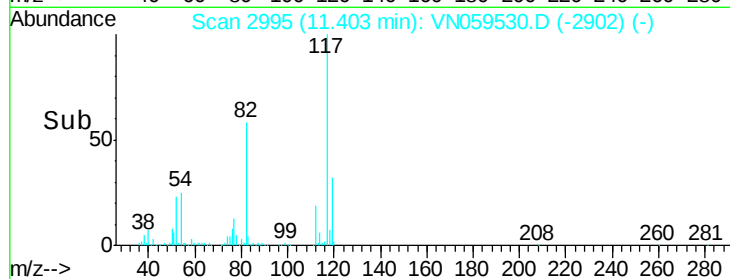
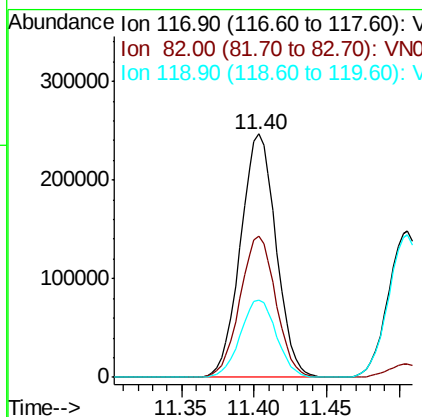
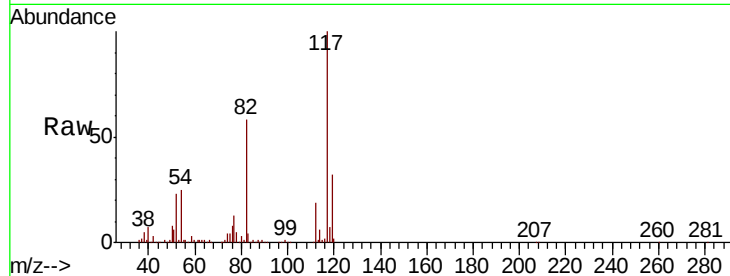
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.5	69.7
119	32.0	25.2	37.8

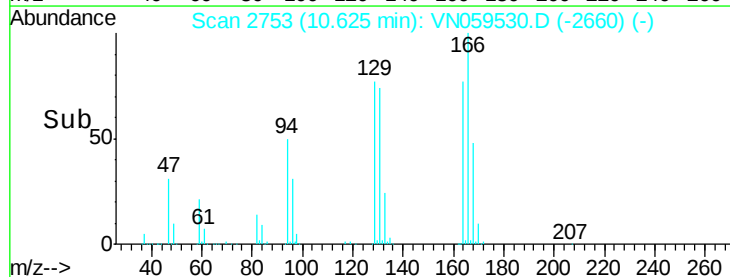
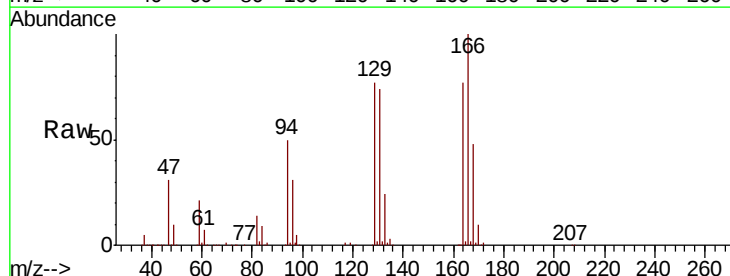
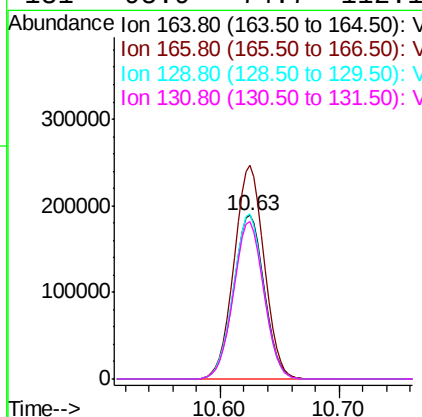
Manual Integrations
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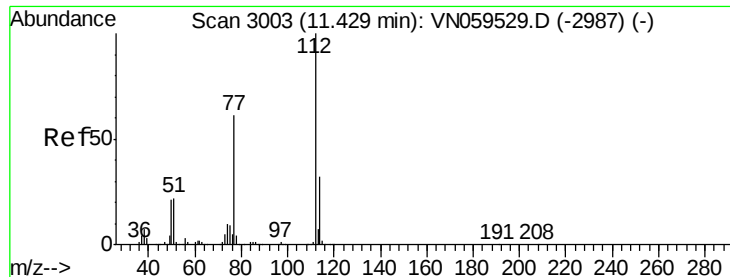
apatel
12/10/2019 5:10:53 PM



#64
Tetrachloroethene
Concen: 99.050 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	101.6	152.4
129	100.7	79.0	118.6
131	95.9	74.7	112.1





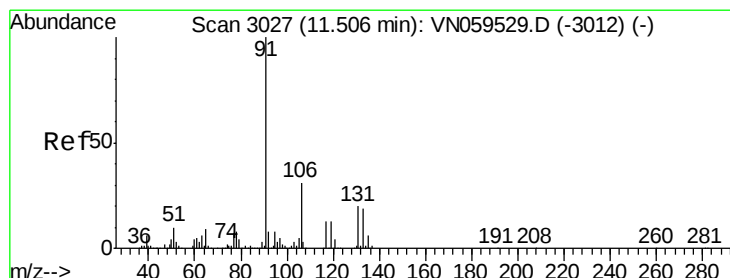
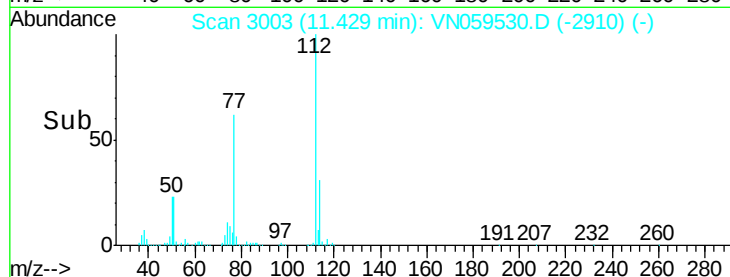
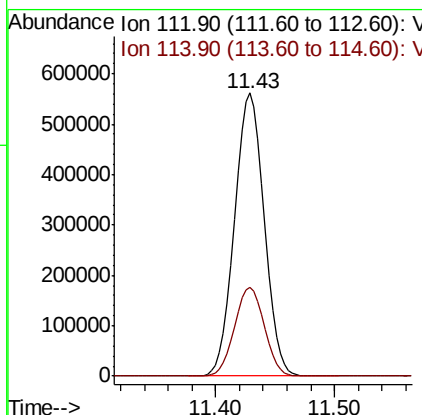
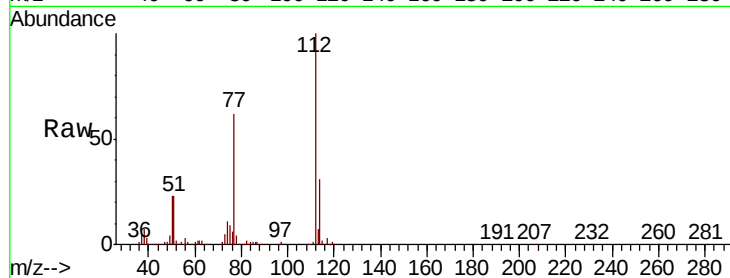
#65
Chlorobenzene
Concen: 108.102 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.0	39.0

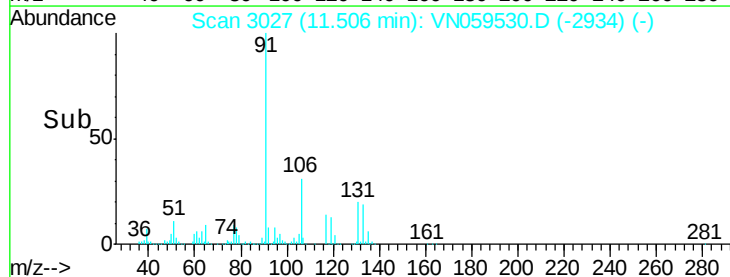
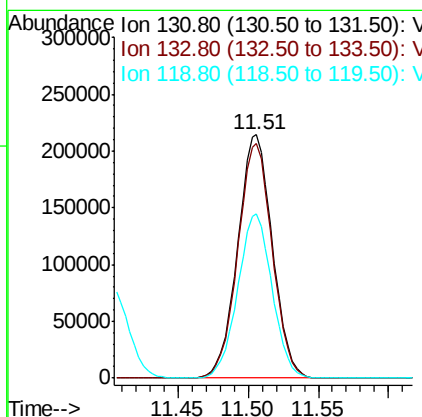
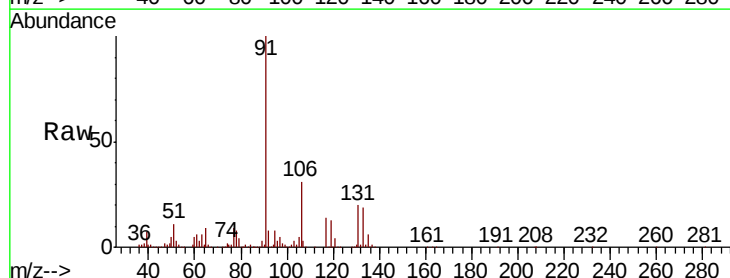
Manual Integrations
APPROVED

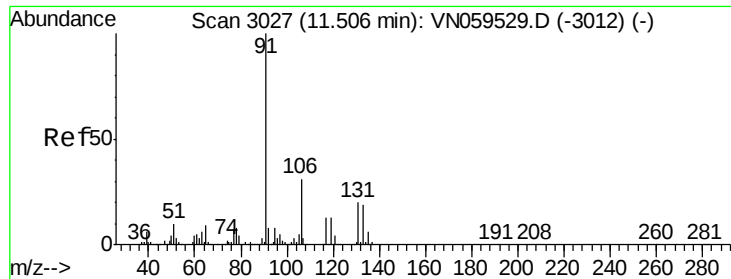
apatel
12/10/2019 5:10:53 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 113.838 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.8	143.3
119	66.9	33.4	100.2





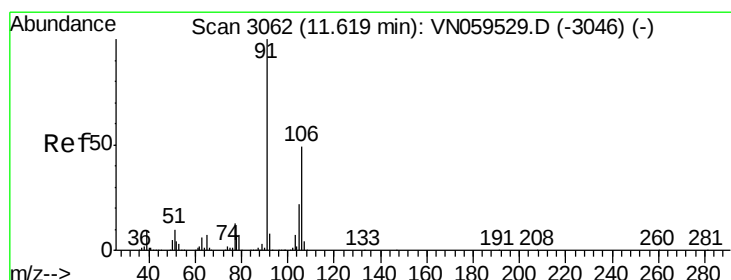
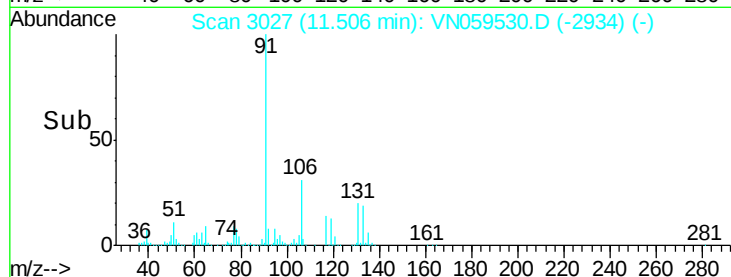
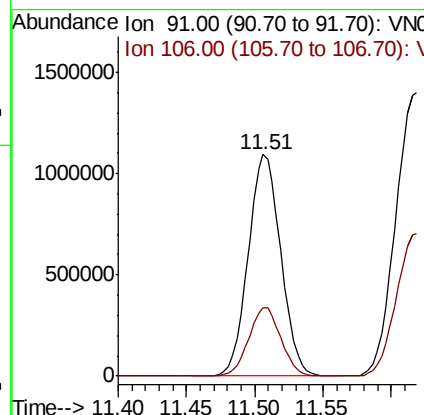
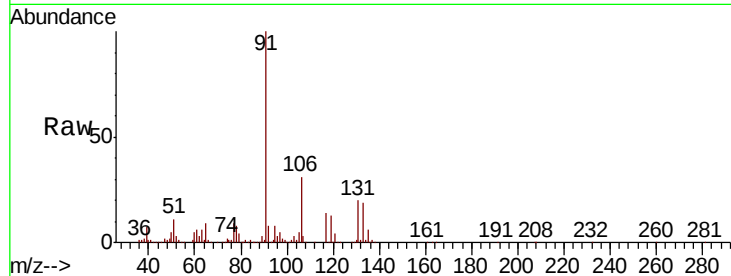
#67
Ethyl Benzene
Concen: 114.913 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1810757
Ion Ratio Lower Upper
91 100
106 31.1 24.5 36.7

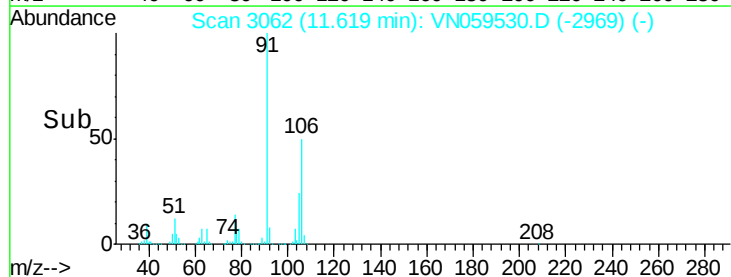
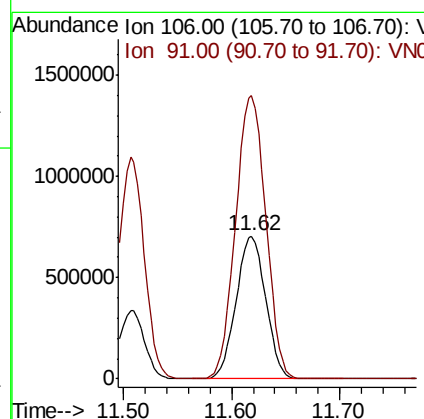
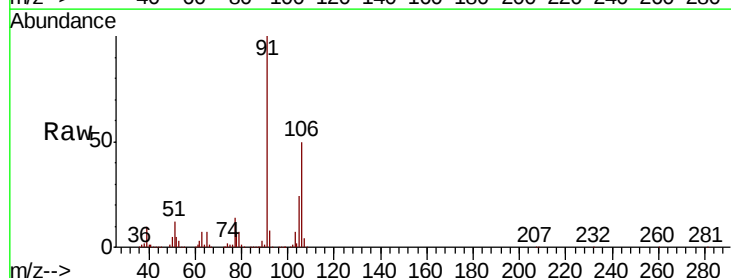
Manual Integrations
APPROVED

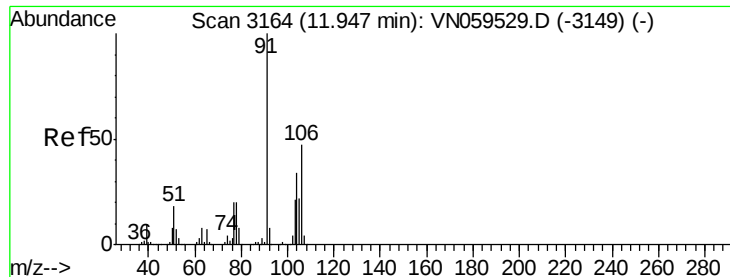
apatel
12/10/2019 5:10:53 PM



#68
m/p-Xylenes
Concen: 227.233 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion: 106 Resp: 1344204
Ion Ratio Lower Upper
106 100
91 203.3 162.9 244.3





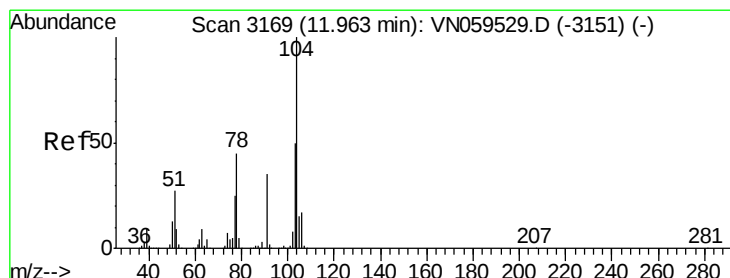
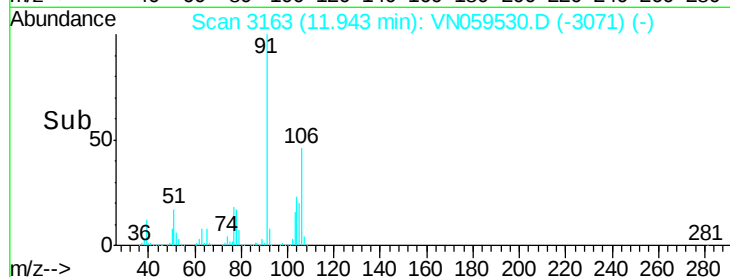
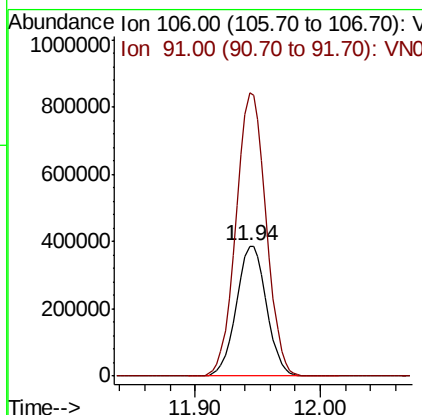
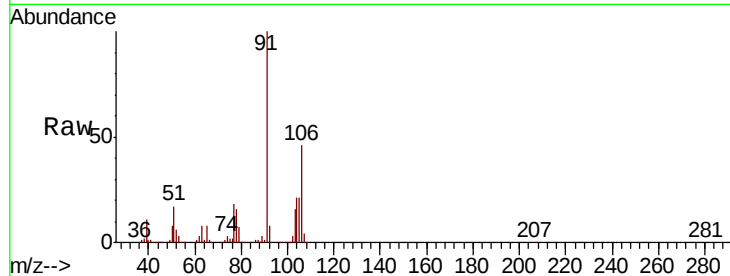
#69
o-Xylene
Concen: 114.455 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 644790
Ion Ratio Lower Upper
106 100
91 217.6 106.7 319.9

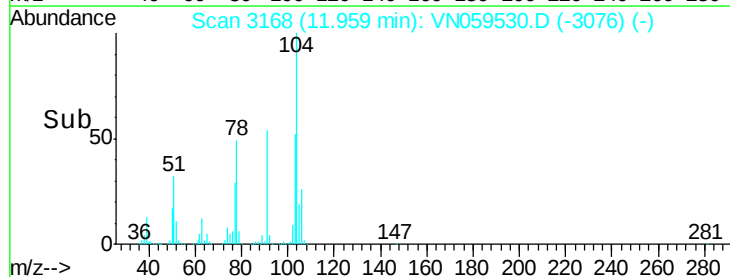
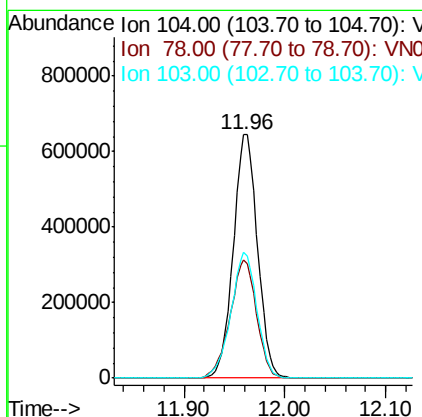
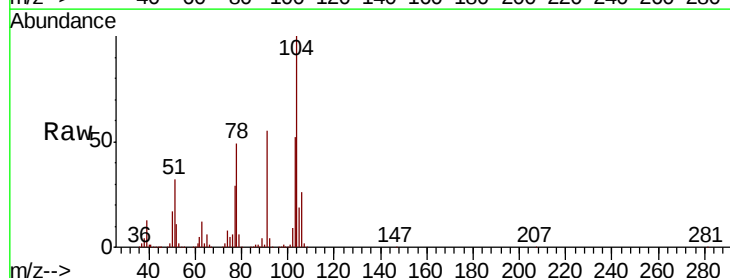
Manual Integrations
APPROVED

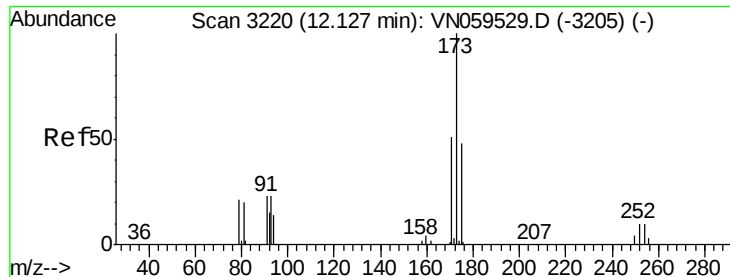
apatel
12/10/2019 5:10:53 PM



#70
Styrene
Concen: 119.590 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion:104 Resp: 1079100
Ion Ratio Lower Upper
104 100
78 52.9 40.6 60.8
103 55.3 43.9 65.9





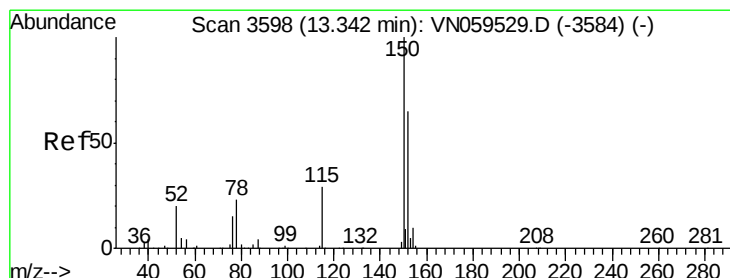
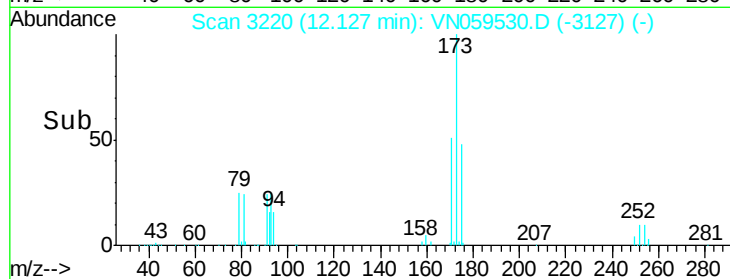
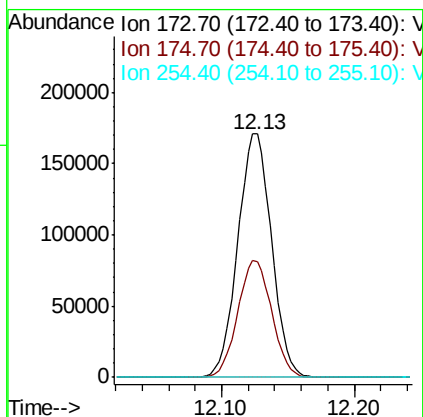
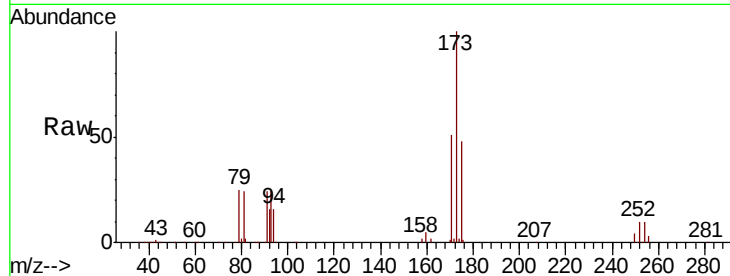
#71
Bromoform
Concen: 118.078 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.1	0.0	0.0#

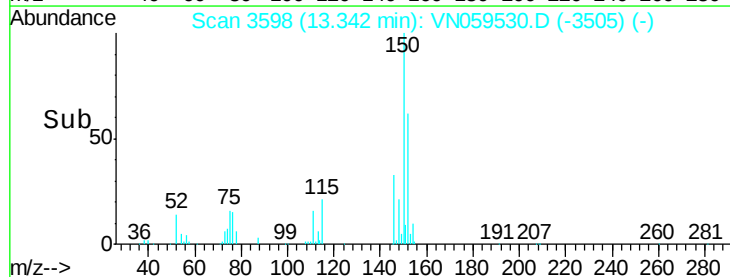
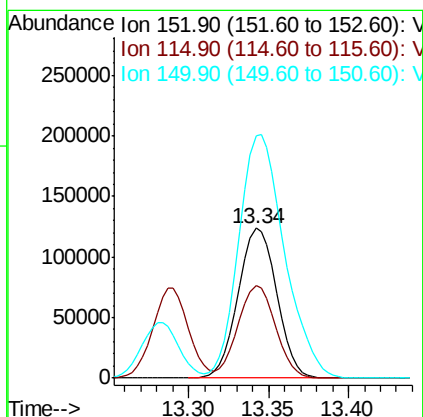
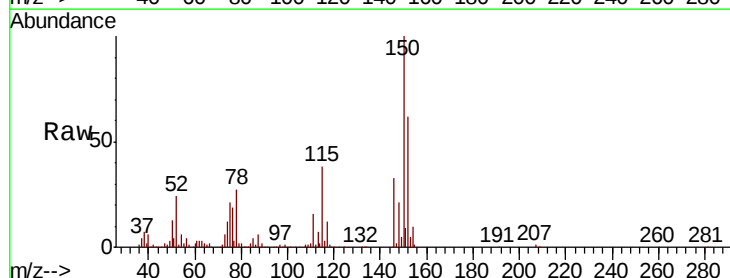
Manual Integrations
APPROVED

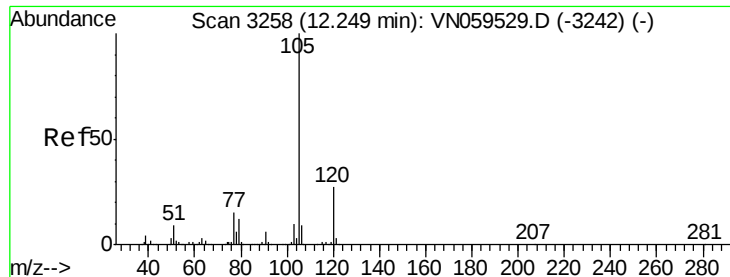
apatel
12/10/2019 5:10:53 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.4	88.2
150	192.7	0.0	342.4





#73

Isopropylbenzene

Concen: 111.740 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1736691

Ion Ratio Lower Upper

105 100

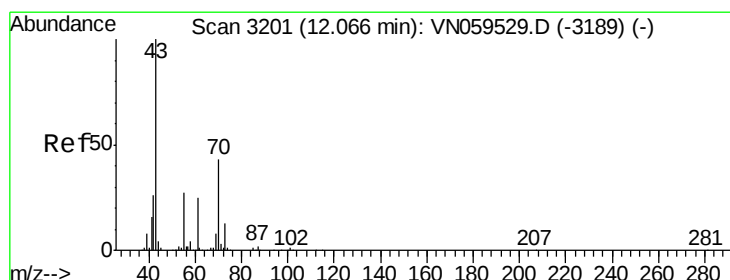
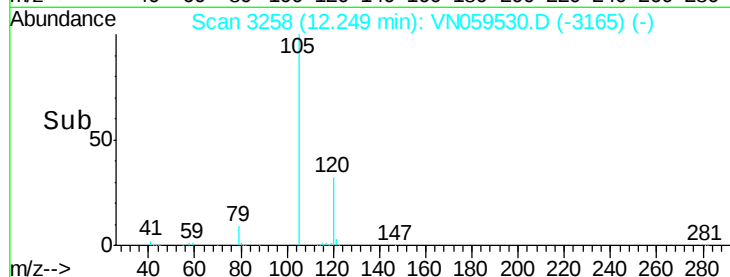
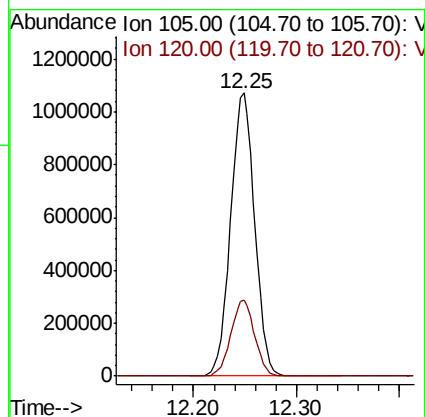
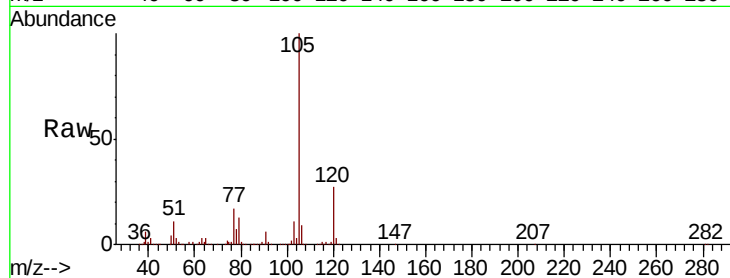
120 26.5 13.2 39.5

Manual Integrations

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apatel

12/10/2019 5:10:53 PM



#74

N-ethyl acetate

Concen: 132.602 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Tgt Ion: 43 Resp: 841467

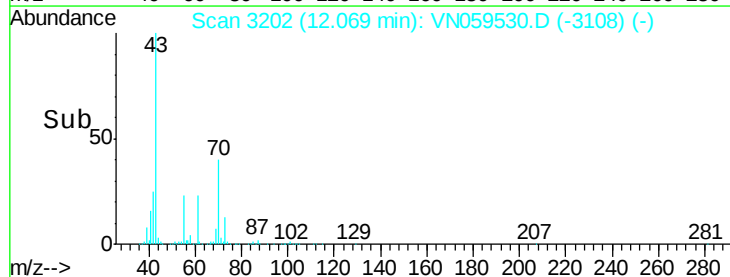
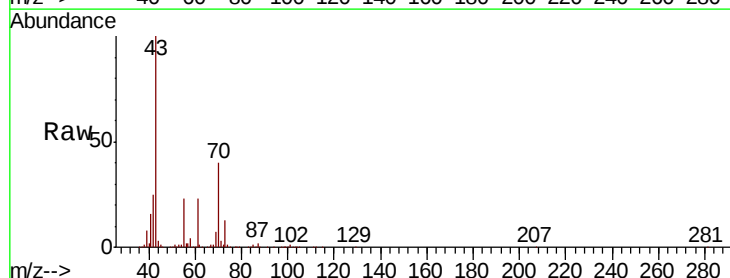
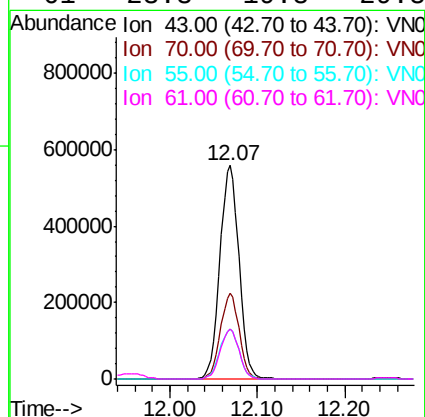
Ion Ratio Lower Upper

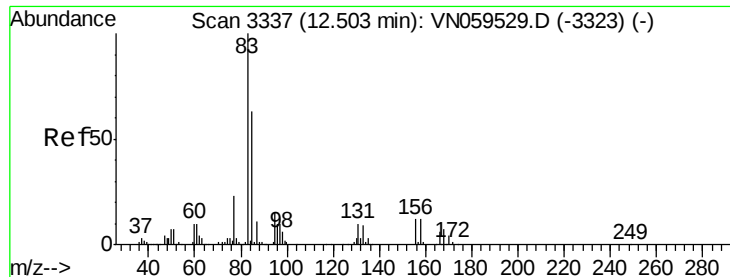
43 100

70 39.7 34.2 51.4

55 23.9 21.3 31.9

61 23.3 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 108.604 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

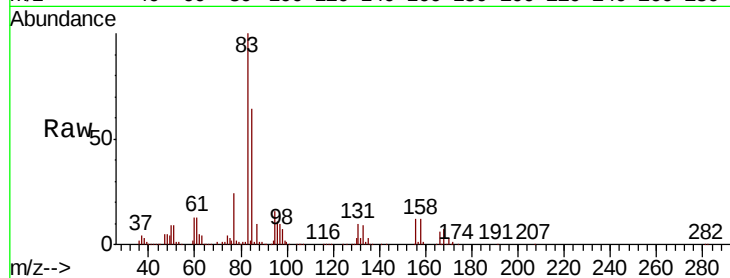
ClientSampleId :

VSTDIC100

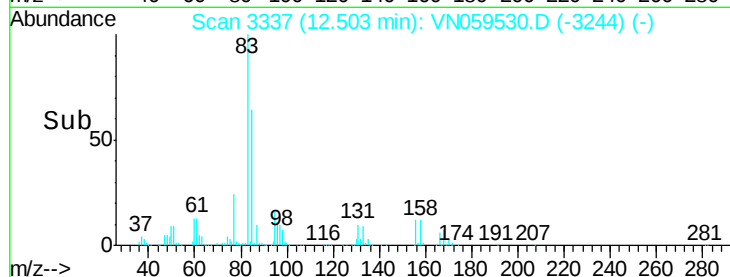
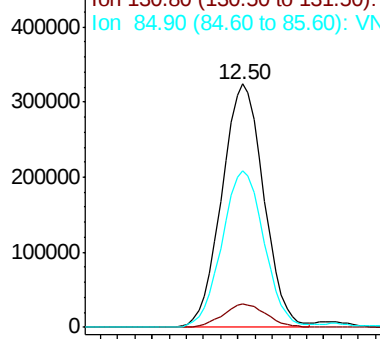
Tot Ion:	83	Resp:	547940
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	64.6	31.6	95.0

Manual Integrations
APPROVED

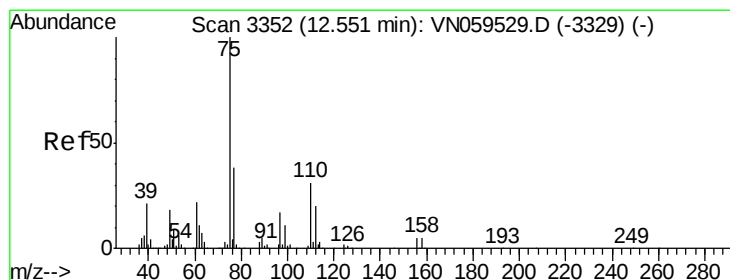
apatel
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Abundance Ion 82.90 (82.60 to 83.60): VN059530.D (-3244) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 115.024 ug/l m

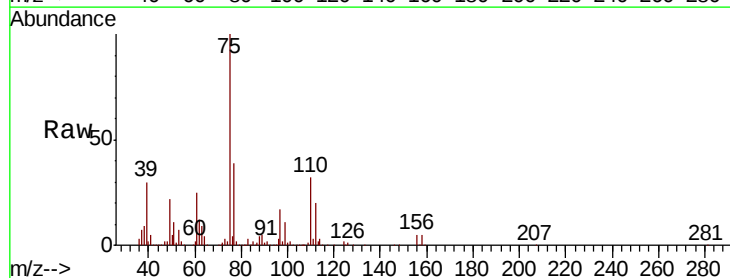
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

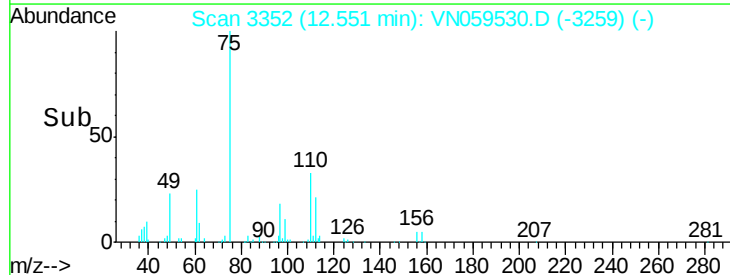
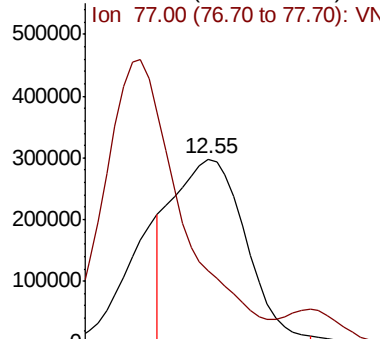
Lab File: VN059530.D

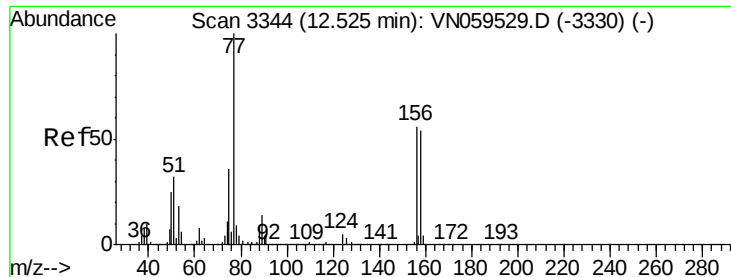
Acq: 9 Dec 2019 16:14

Tgt Ion:	75	Resp:	573037
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059530.D (-3259) (-)





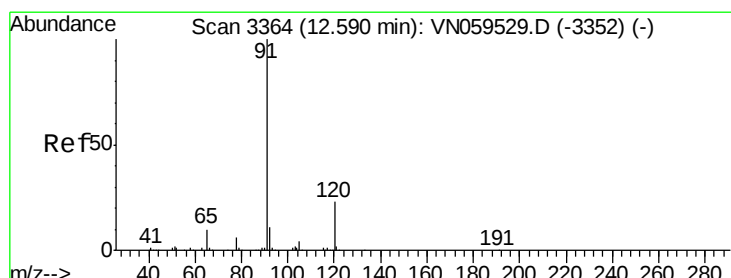
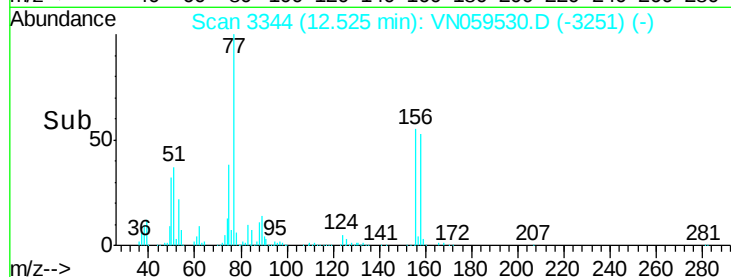
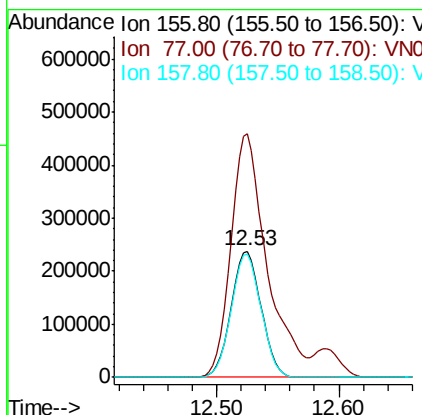
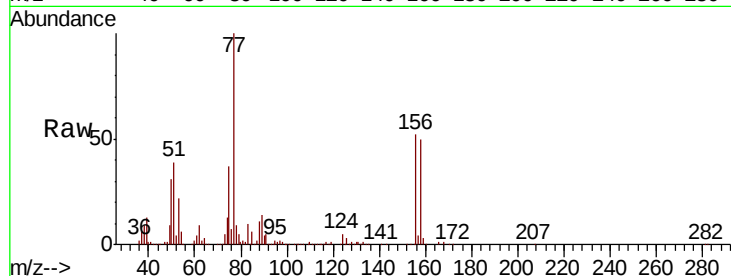
#77
Bromobenzene
Concen: 102.993 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	234.0	109.3	327.8	
158	97.5	48.6	145.8	

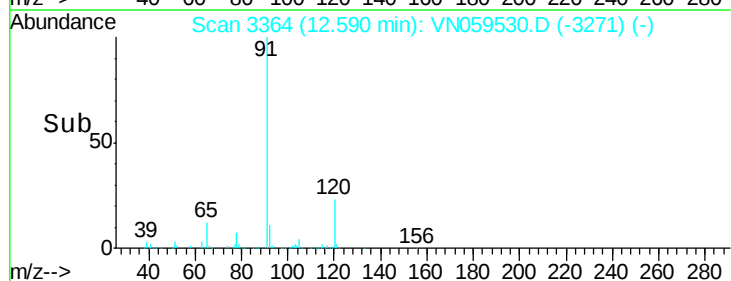
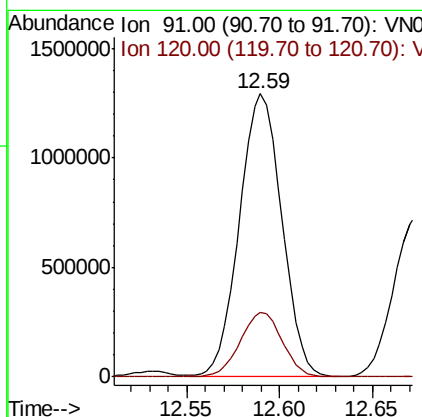
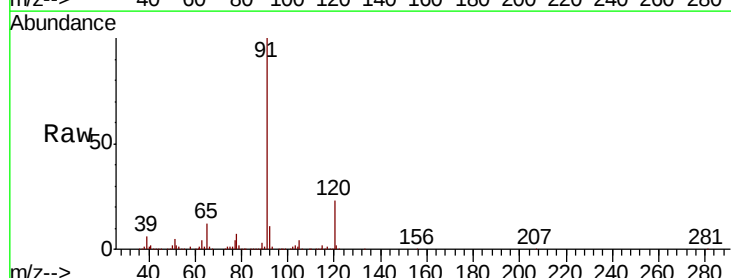
Manual Integrations
APPROVED

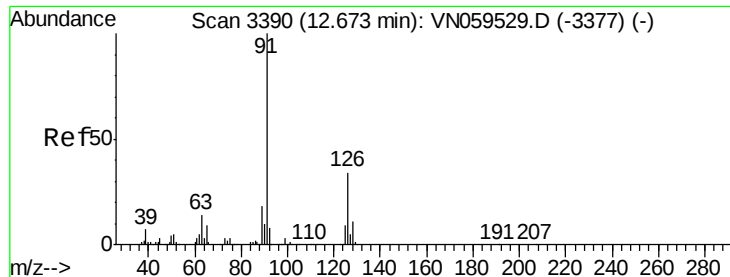
apatel
12/10/2019 5:10:53 PM



#78
n-propylbenzene
Concen: 112.471 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.5	11.4	34.1	





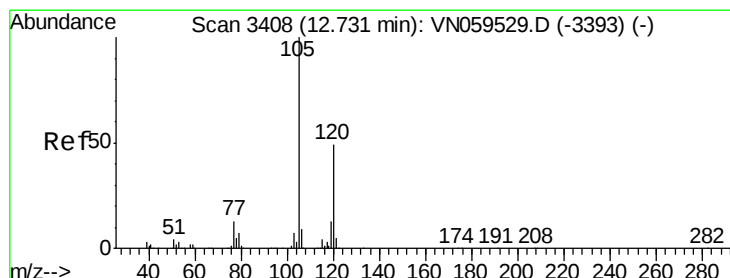
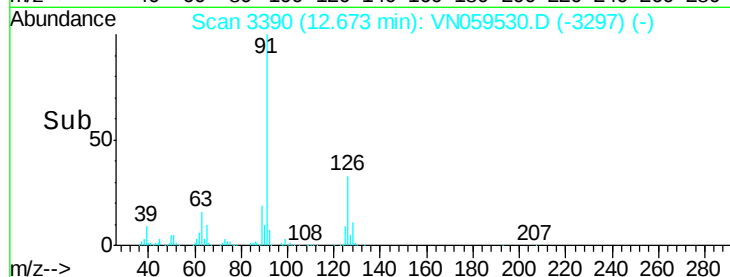
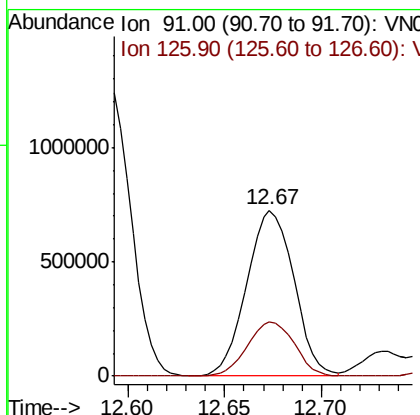
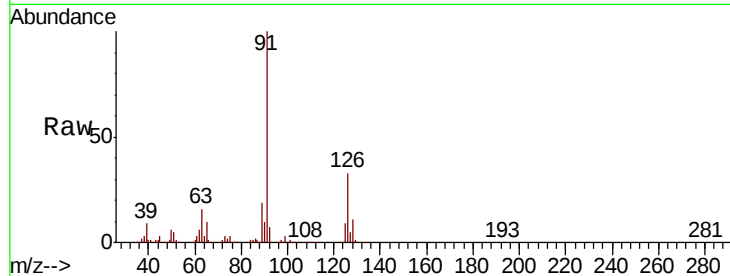
#79
 2-Chlorotoluene
 Concen: 112.226 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 1237820
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.9 50.7

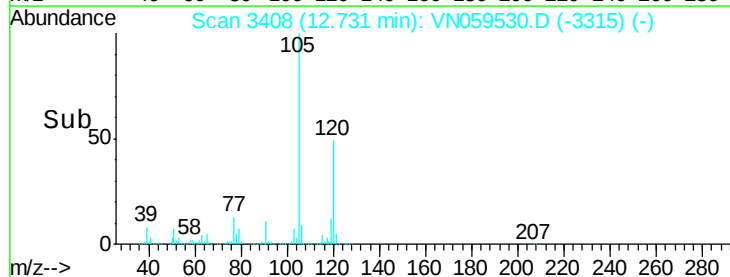
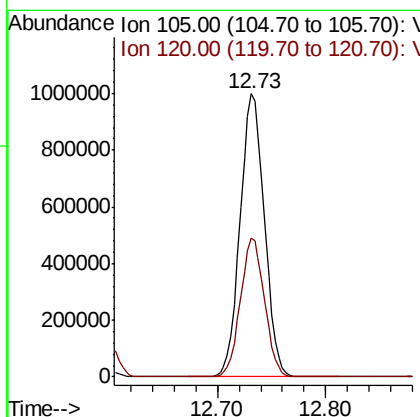
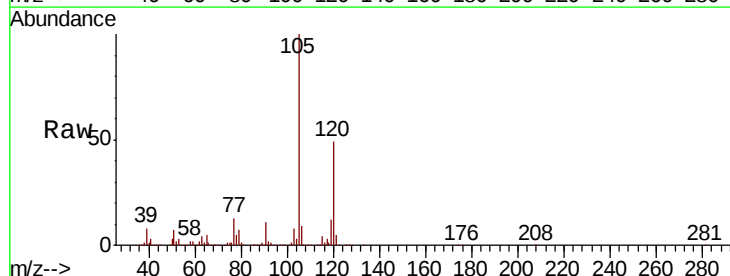
Manual Integrations
 APPROVED

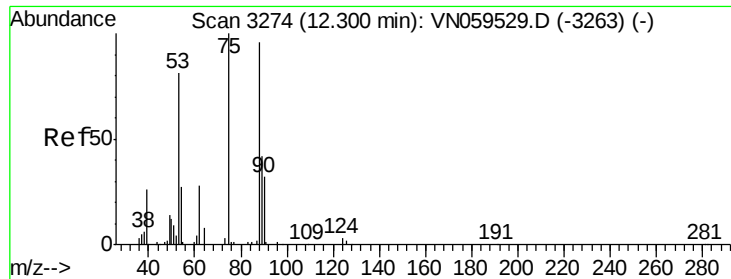
apatel
 12/10/2019 5:10:53 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 119.048 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Tgt Ion: 105 Resp: 1566045
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 120.662 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

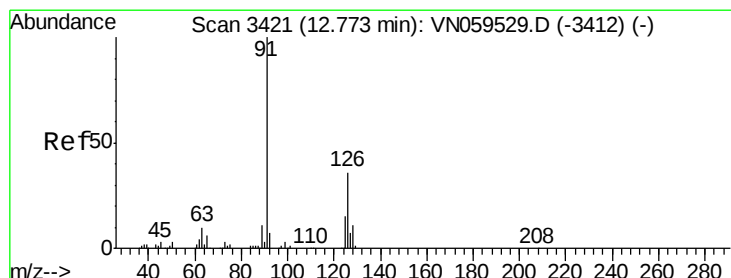
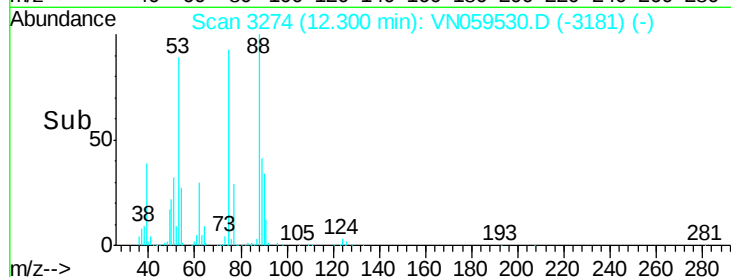
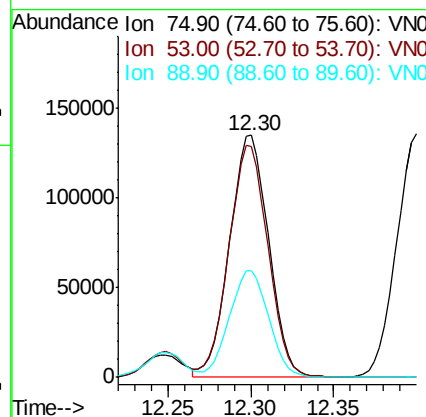
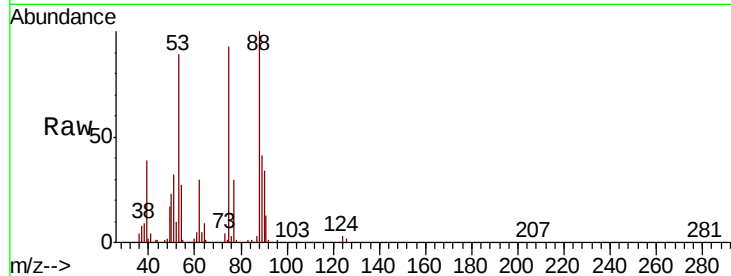
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	221484
Ion Ratio	Lower	Upper	
75	100		
53	96.0	67.0	100.6
89	44.4	35.5	53.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 109.924 ug/l

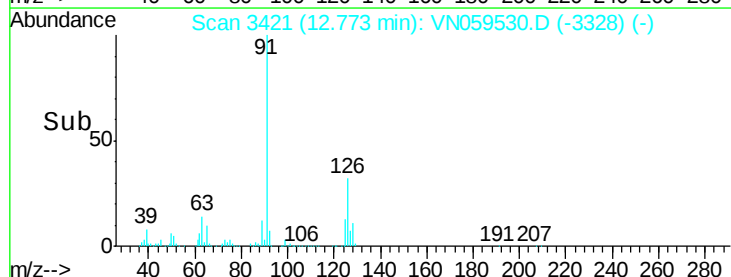
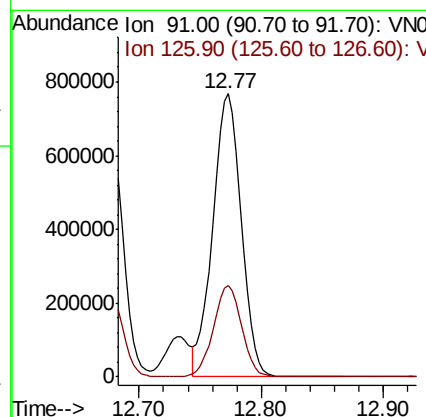
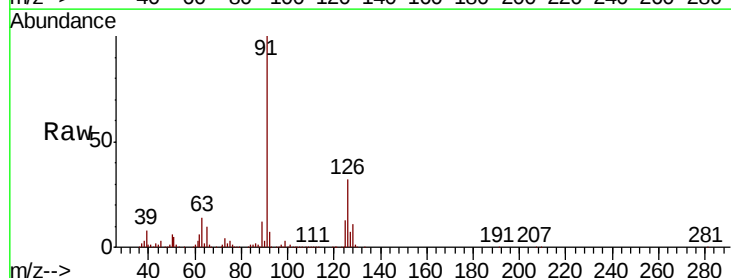
RT: 12.77 min Scan# 3421

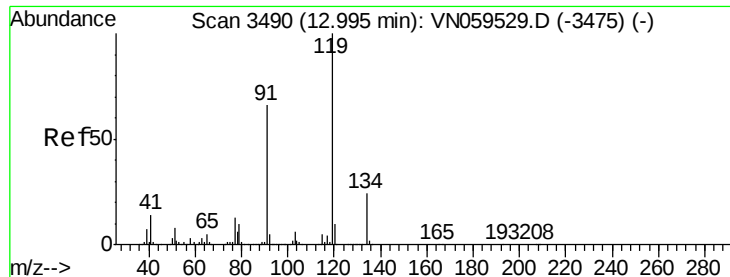
Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Tgt Ion:	91	Resp:	1255973
Ion Ratio	Lower	Upper	
91	100		
126	31.9	16.4	49.4





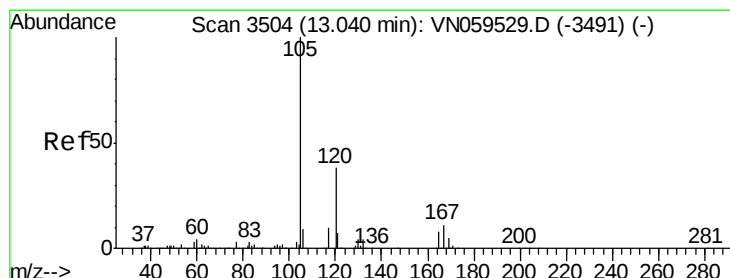
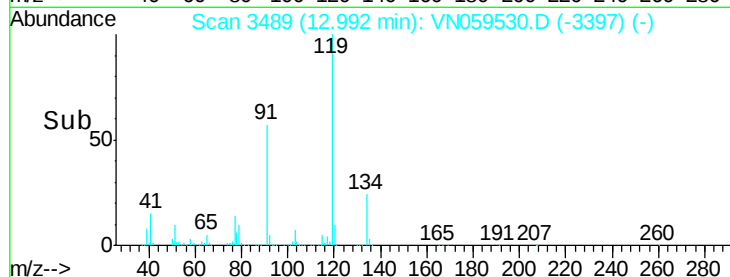
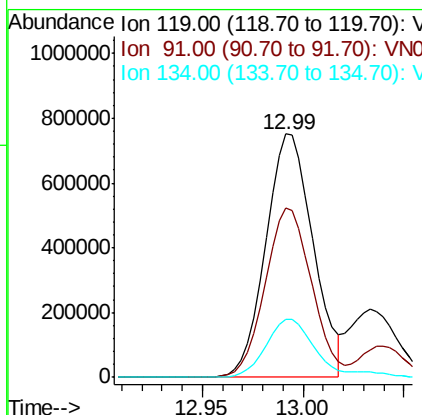
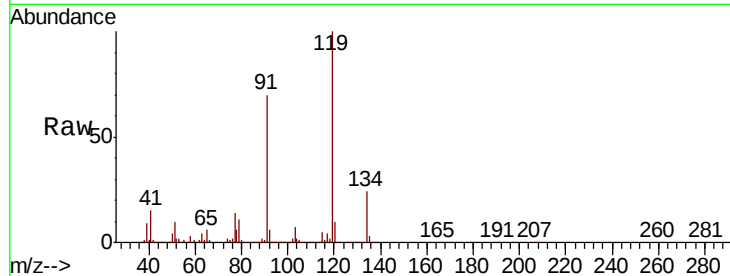
#83
tert-Butylbenzene
Concen: 107.196 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	32.8	98.4
134	23.9	12.8	38.3

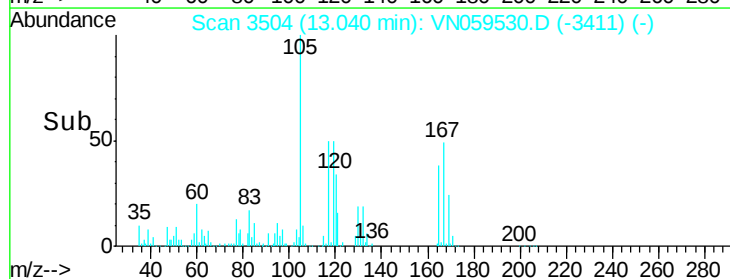
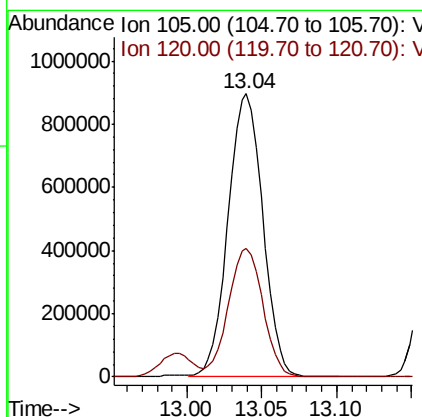
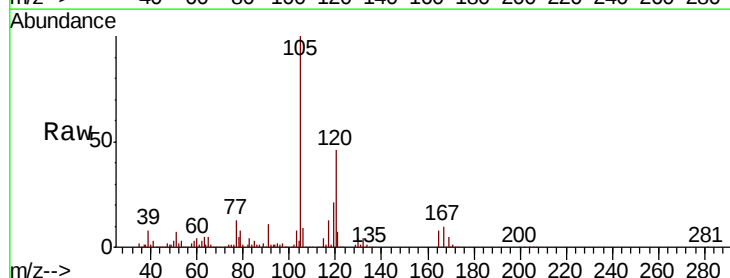
Manual Integrations
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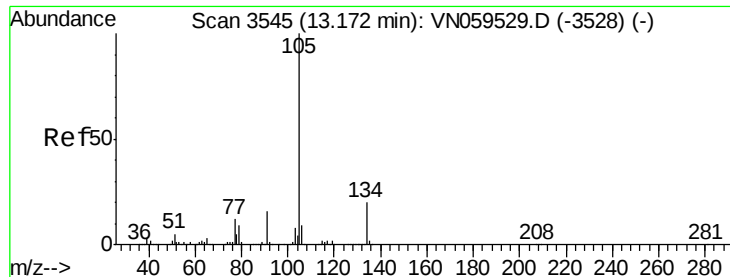
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 112.342 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.8	68.3





#85

sec-Butylbenzene

Concen: 111.327 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1687794

Ion Ratio Lower Upper

105 100

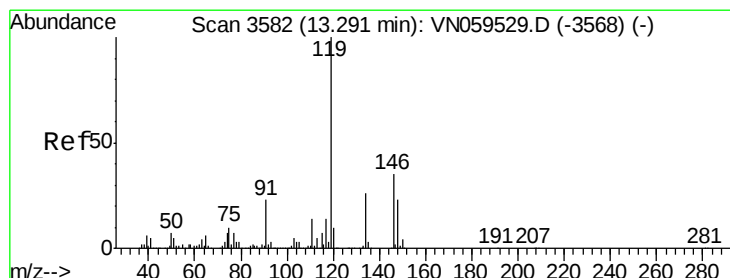
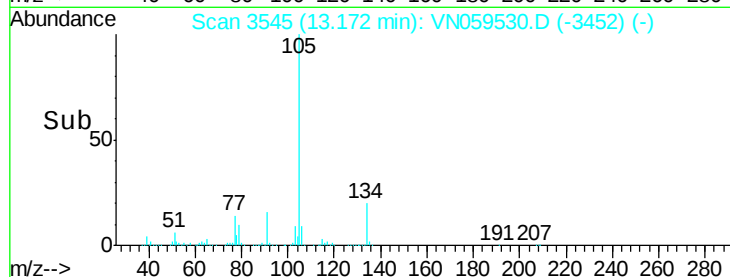
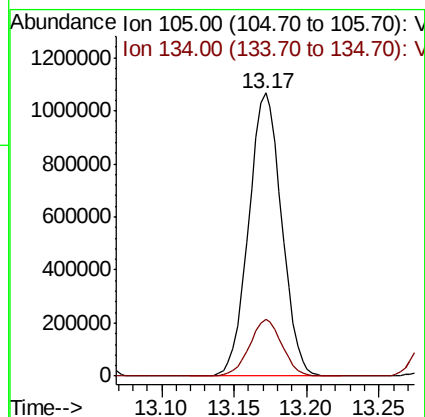
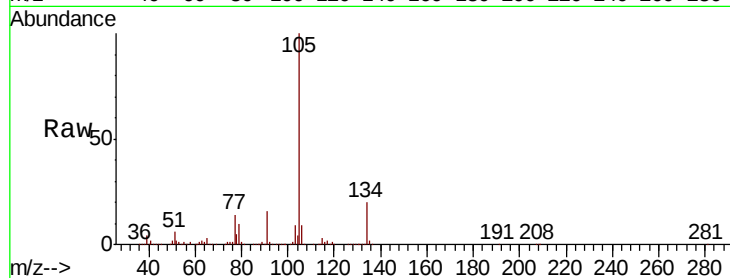
134 19.7 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 112.274 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059530.D

Acq: 9 Dec 2019 16:14

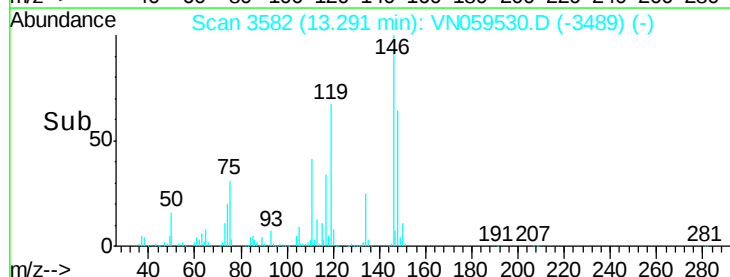
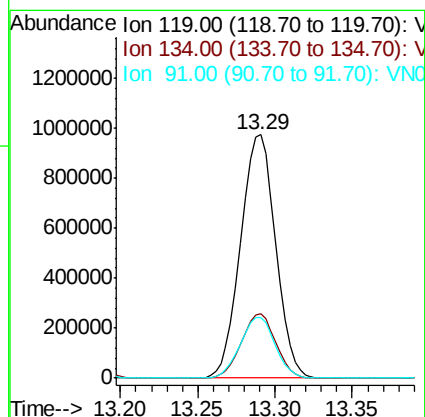
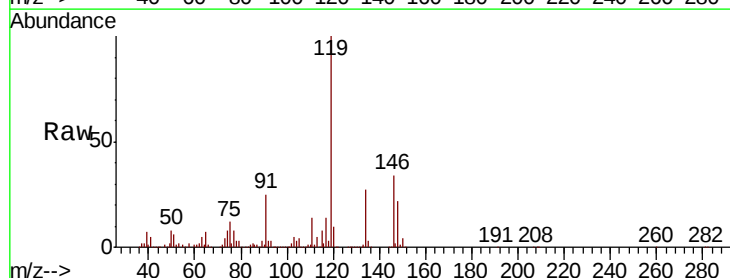
Tgt Ion:119 Resp: 1530539

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 24.9 11.7 35.1





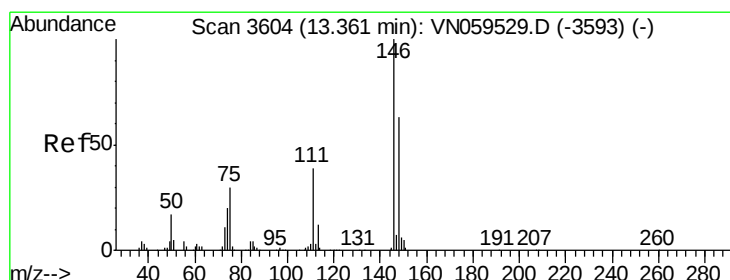
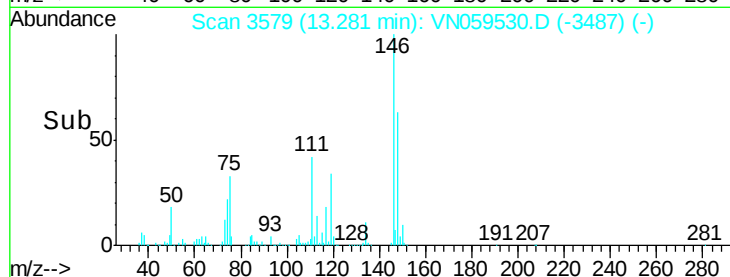
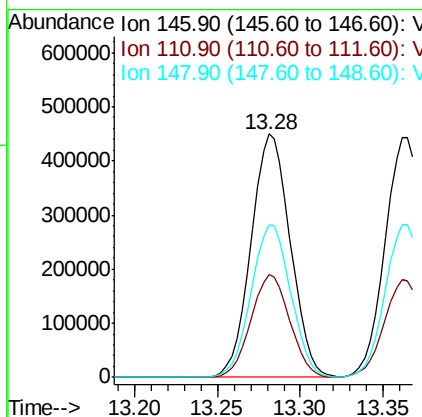
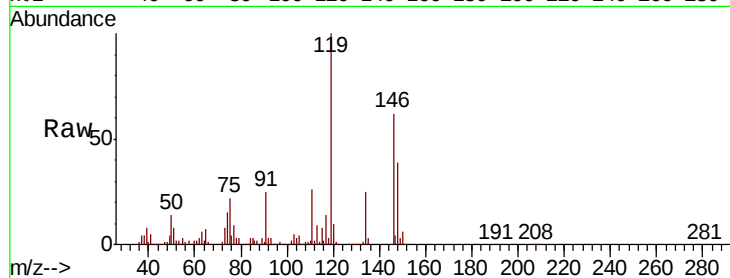
#87
 1,3-Dichlorobenzene
 Concen: 105.655 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.6	61.8
148	63.5	32.0	96.0

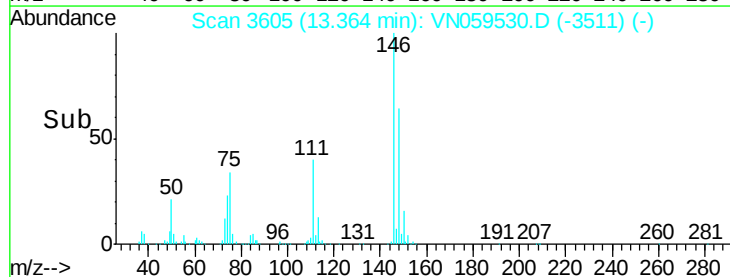
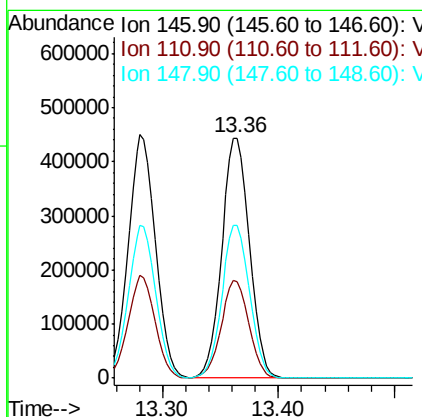
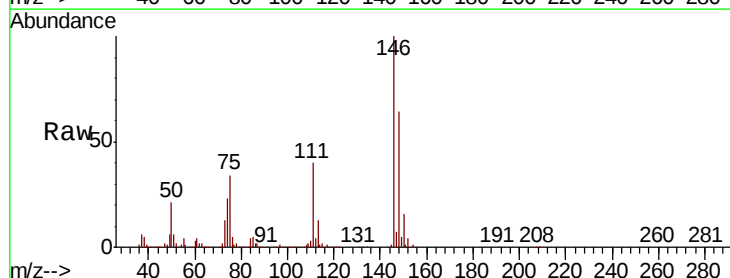
Manual Integrations
 APPROVED

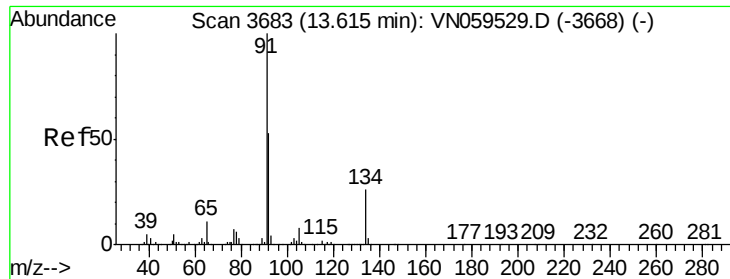
apatel
 12/10/2019 5:10:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 103.644 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.9	31.9	95.7





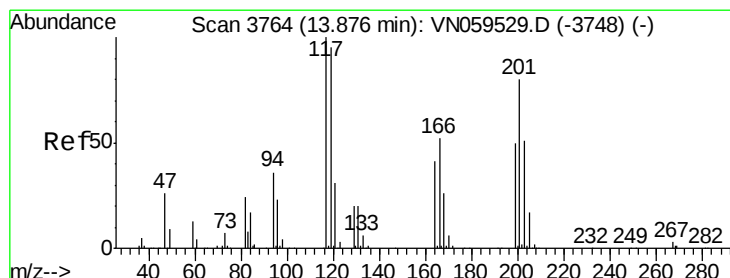
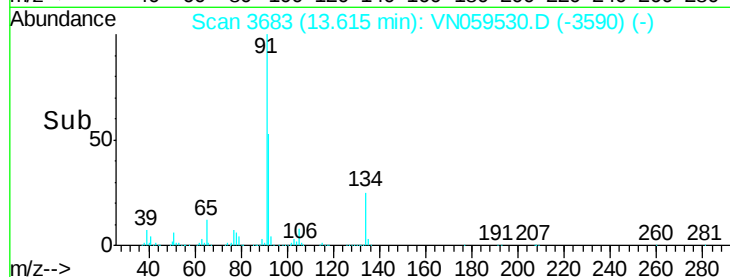
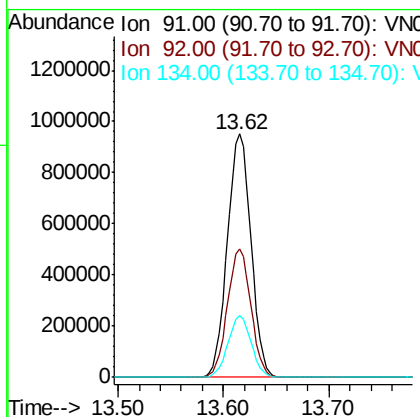
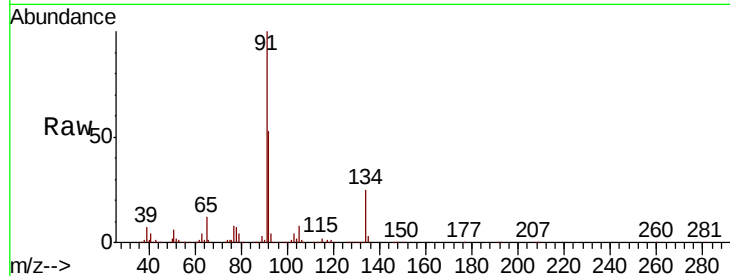
#89
n-Butylbenzene
Concen: 120.157 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1471799
Ion Ratio Lower Upper
91 100
92 52.4 26.3 78.9
134 24.7 12.8 38.4

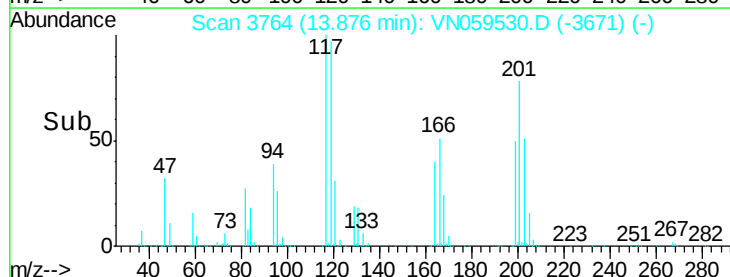
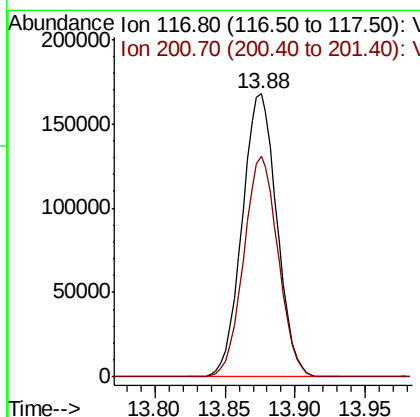
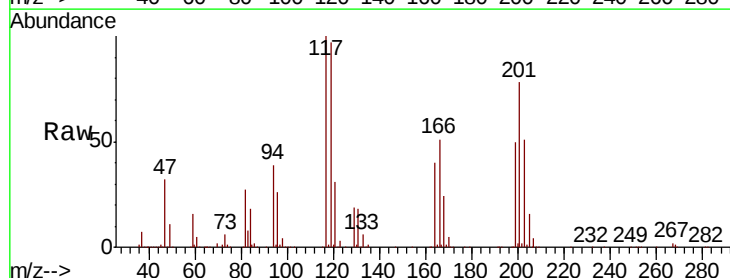
Manual Integrations
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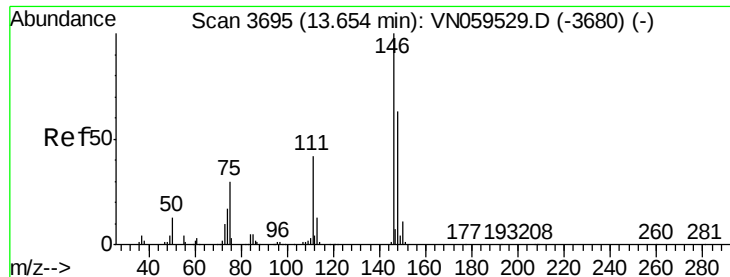
apatel
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#90
Hexachloroethane
Concen: 110.154 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion: 117 Resp: 289356
Ion Ratio Lower Upper
117 100
201 77.1 40.5 121.5





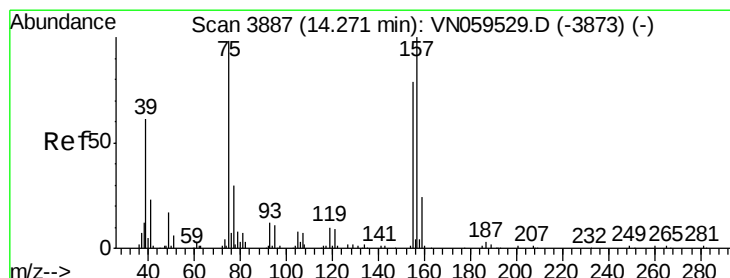
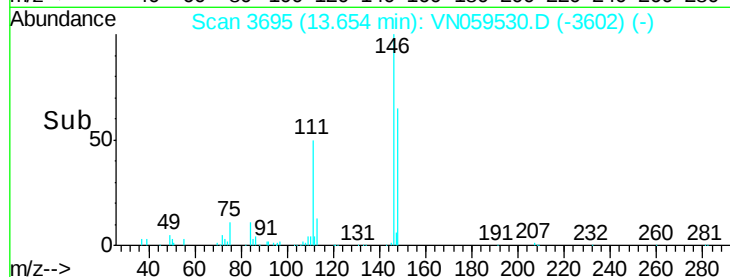
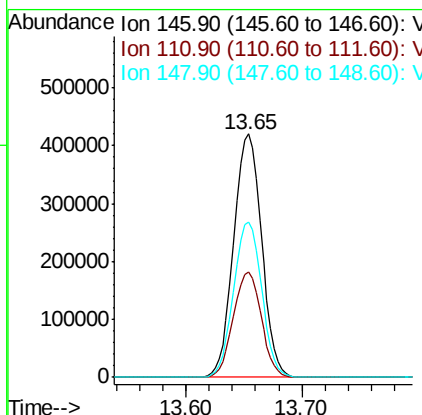
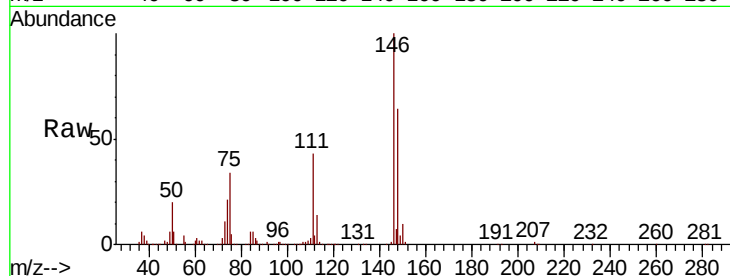
#91
 1,2-Dichlorobenzene
 Concen: 104.815 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.9	62.7
148	64.0	31.6	94.8

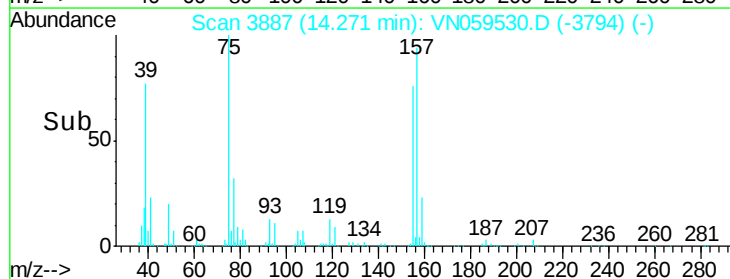
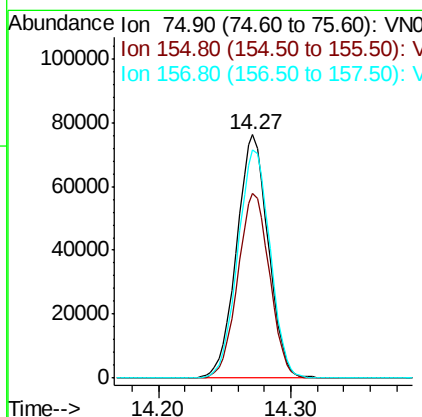
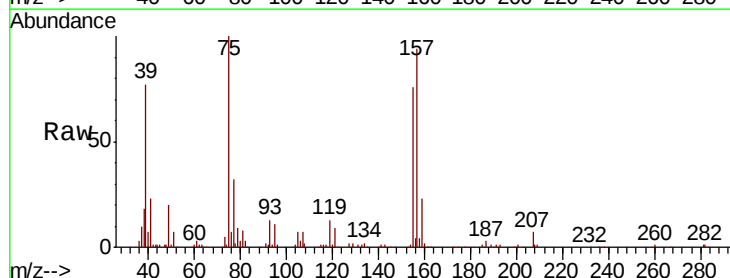
Manual Integrations
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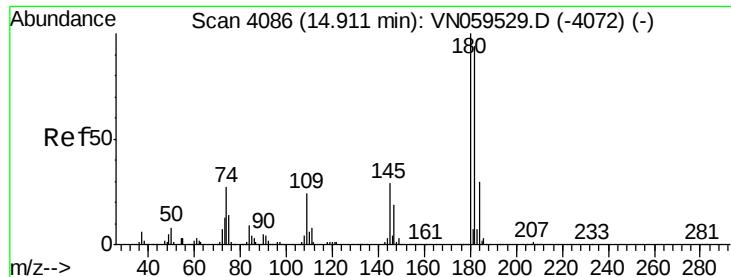
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.932 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059530.D
 Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	40.4	121.1
157	96.3	51.1	153.3





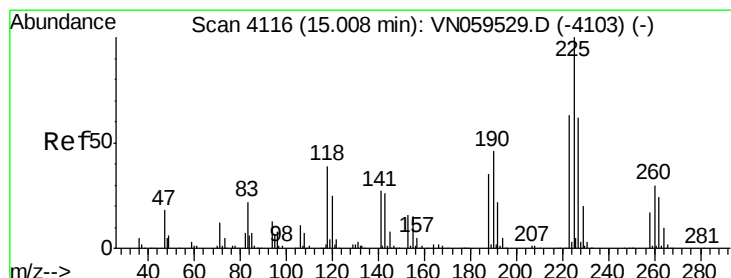
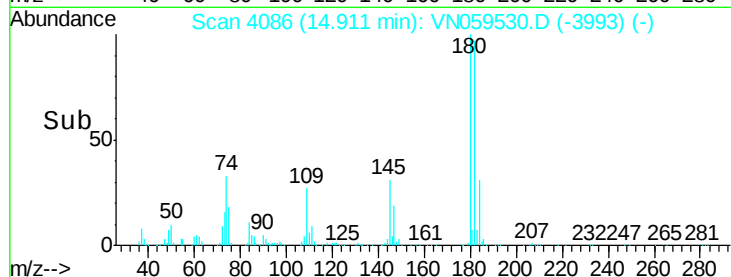
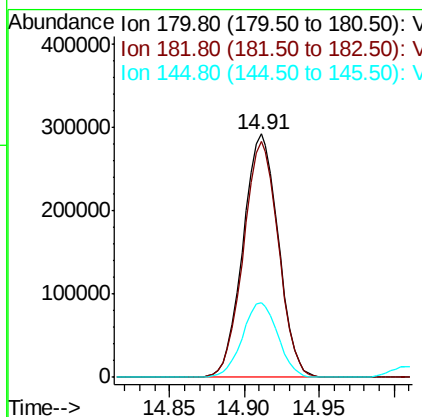
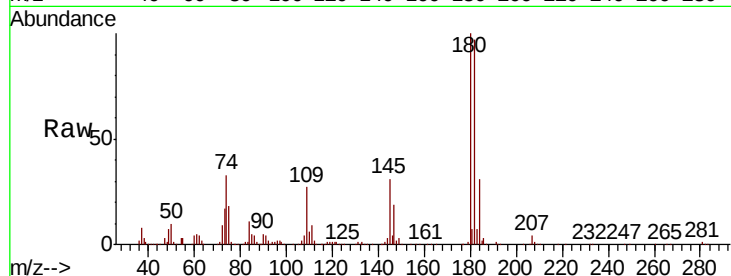
#93
1,2,4-Trichlorobenzene
Concen: 113.823 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	480001		
182	95.8	47.3	142.0	
145	30.7	14.9	44.7	

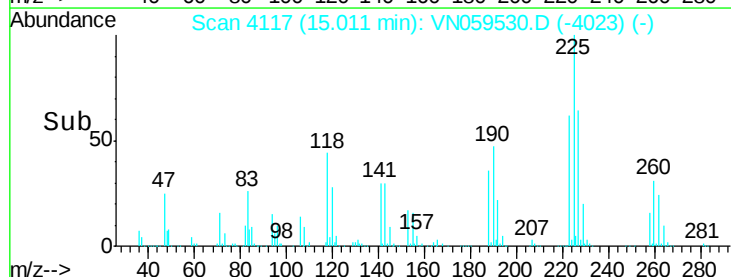
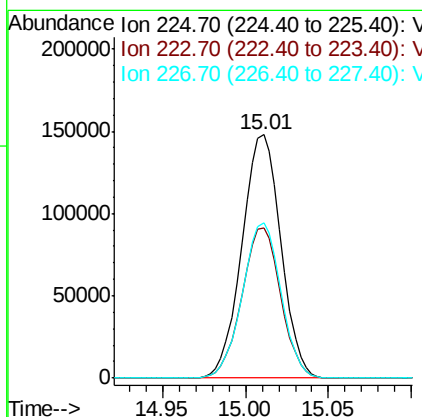
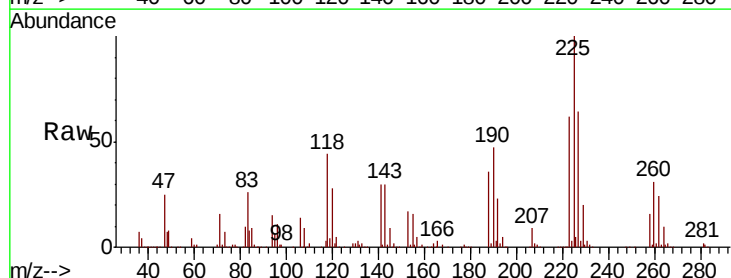
Manual Integrations
APPROVED

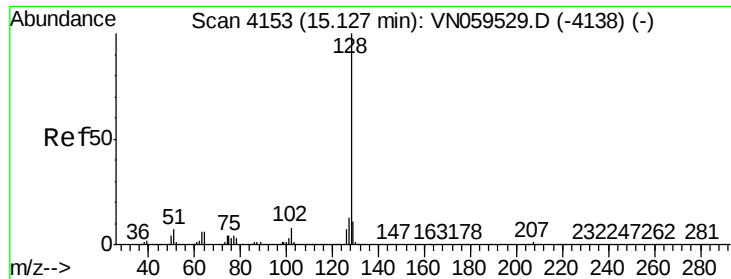
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#94
Hexachlorobutadiene
Concen: 91.983 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	241485		
223	61.5	31.3	93.9	
227	63.1	31.6	95.0	





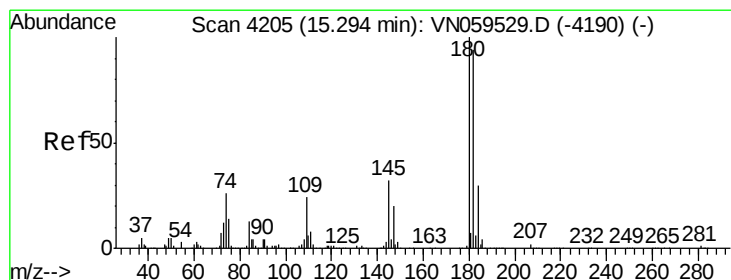
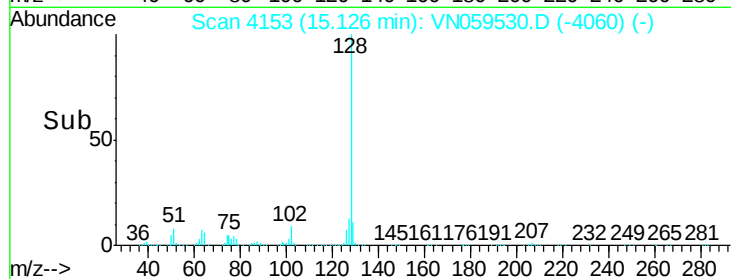
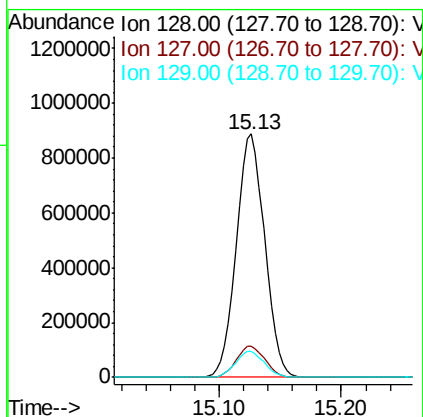
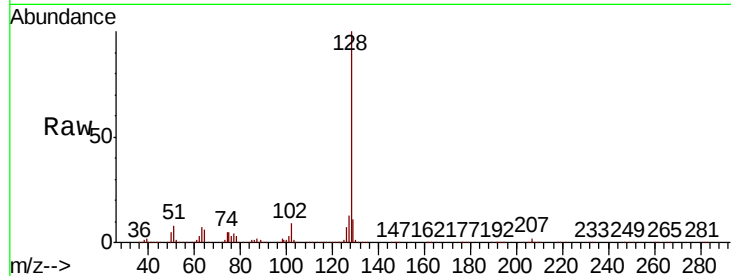
#95
Naphthalene
Concen: 115.745 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 104.427 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN059530.D
Acq: 9 Dec 2019 16:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.4
145	32.3	15.8	47.4

