LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041573.D
Acq On : 16 May 2024 18:56
Operator : JC/MD
Sample : P2516-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515014-02

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VX041573.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.575	71	80	81	rBV5	7562	17907	3.94%	0.556%
2	1.593	81	83	86	rVV4	3165	5556	1.22%	0.173%
3	2.105	160	167	182	rBV	95061	262100	57.64%	8.139%
4	2.392	208	214	229	rVB	74976	158864	34.93%	4.933%
5	2.587	237	246	255	rBV	39644	111509	24.52%	3.463%
6	2.709	261	266	275	rVB	7620	14739	3.24%	0.458%
7	2.940	298	304	307	rBV	6229	12848	2.83%	0.399%
8	3.008	307	315	331	rVB	29195	87523	19.25%	2.718%
9	4.605	563	577	578	rBV3	26152	77807	17.11%	2.416%
10	4.897	614	625	641	rBV2	54359	169969	37.38%	5.278%
11	5.056	641	651	664	rVV7	4243	17688	3.89%	0.549%
12	5.952	789	798	822	rVB	62818	170013	37.39%	5.279%
13	6.367	857	866	874	rBV4	1769	5292	1.16%	0.164%
14	6.757	921	930	951	rBV	135973	333325	73.30%	10.351%
15	7.470	1042	1047	1060	rVB2	13791	30957	6.81%	0.961%
16	7.909	1113	1119	1130	rBV3	5606	13499	2.97%	0.419%
17	8.580	1223	1229	1234	rBV	5947	10384	2.28%	0.322%
18	8.647	1234	1240	1249	rVV	287514	454744	100.00%	14.121%
19	8.726	1249	1253	1263	rVV8	8912	28031	6.16%	0.870%
20	8.811	1264	1267	1272	rVB2	5326	8212	1.81%	0.255%
21	9.263	1332	1341	1344	rBV5	4033	9970	2.19%	0.310%
22	9.317	1347	1350	1357	rVB3	6384	10869	2.39%	0.338%
23	9.439	1366	1370	1378	rBV2	7251	13653	3.00%	0.424%
24	9.531	1380	1385	1399	rBV3	11362	32234	7.09%	1.001%
25	10.055	1465	1471	1488	rVB	284044	403414	88.71%	12.527%
26	10.592	1553	1559	1566	rBV2	9571	19449	4.28%	0.604%
27	10.659	1566	1570	1573	rVV4	3300	5272	1.16%	0.164%
28	10.683	1573	1574	1580	rVB3	3771	4704	1.03%	0.146%
29	10.768	1583	1588	1600	rBV	39605	59796	13.15%	1.857%
30	10.860	1600	1603	1606	rBV2	4580	6680	1.47%	0.207%
31	11.079	1634	1639	1652	rBV	259435	332955	73.22%	10.339%
32	11.433	1691	1697	1702	rBV4	2646	5389	1.19%	0.167%
33	11.634	1725	1730	1732	rVV5	2753	5433	1.19%	0.169%
34	11.658	1732	1734	1742	rVV4	5507	11100	2.44%	0.345%
35	11.762	1746	1751	1757	rVV	30425	44805	9.85%	1.391%
36	11.841	1760	1764	1769	rVV	13331	21113	4.64%	0.656%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041573.D
Acq On : 16 May 2024 18:56
Operator : JC/MD
Sample : P2516-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515014-02

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

37	11.902	1769	1774	1776	rVV2	4996	8940	1.97%	0.278%
38	11.933	1776	1779	1791	rVB3	10192	19635	4.32%	0.610%
39	12.219	1820	1826	1834	rBV3	7257	13542	2.98%	0.421%
40	12.414	1854	1858	1865	rBV2	12617	18357	4.04%	0.570%
41	12.591	1879	1887	1894	rBV7	4150	9859	2.17%	0.306%
42	12.768	1911	1916	1920	rBV2	12748	18246	4.01%	0.567%
43	12.866	1926	1932	1942	rVB3	30738	56981	12.53%	1.769%
44	13.426	2019	2024	2027	rBV3	4380	6139	1.35%	0.191%
45	13.463	2027	2030	2034	rVV	8694	12373	2.72%	0.384%
46	13.530	2038	2041	2048	rVV	7173	10350	2.28%	0.321%
47	13.689	2063	2067	2071	rBV3	3926	5288	1.16%	0.164%
48	13.774	2077	2081	2089	rVB	16901	21659	4.76%	0.673%
49	13.945	2105	2109	2118	rVB3	3865	5877	1.29%	0.182%
50	14.262	2157	2161	2162	rBV4	4867	6104	1.34%	0.190%
51	14.280	2162	2164	2171	rVB4	5609	7385	1.62%	0.229%
52	14.371	2174	2179	2186	rBV	13871	21789	4.79%	0.677%

Sum of corrected areas: 3220327

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041573.D
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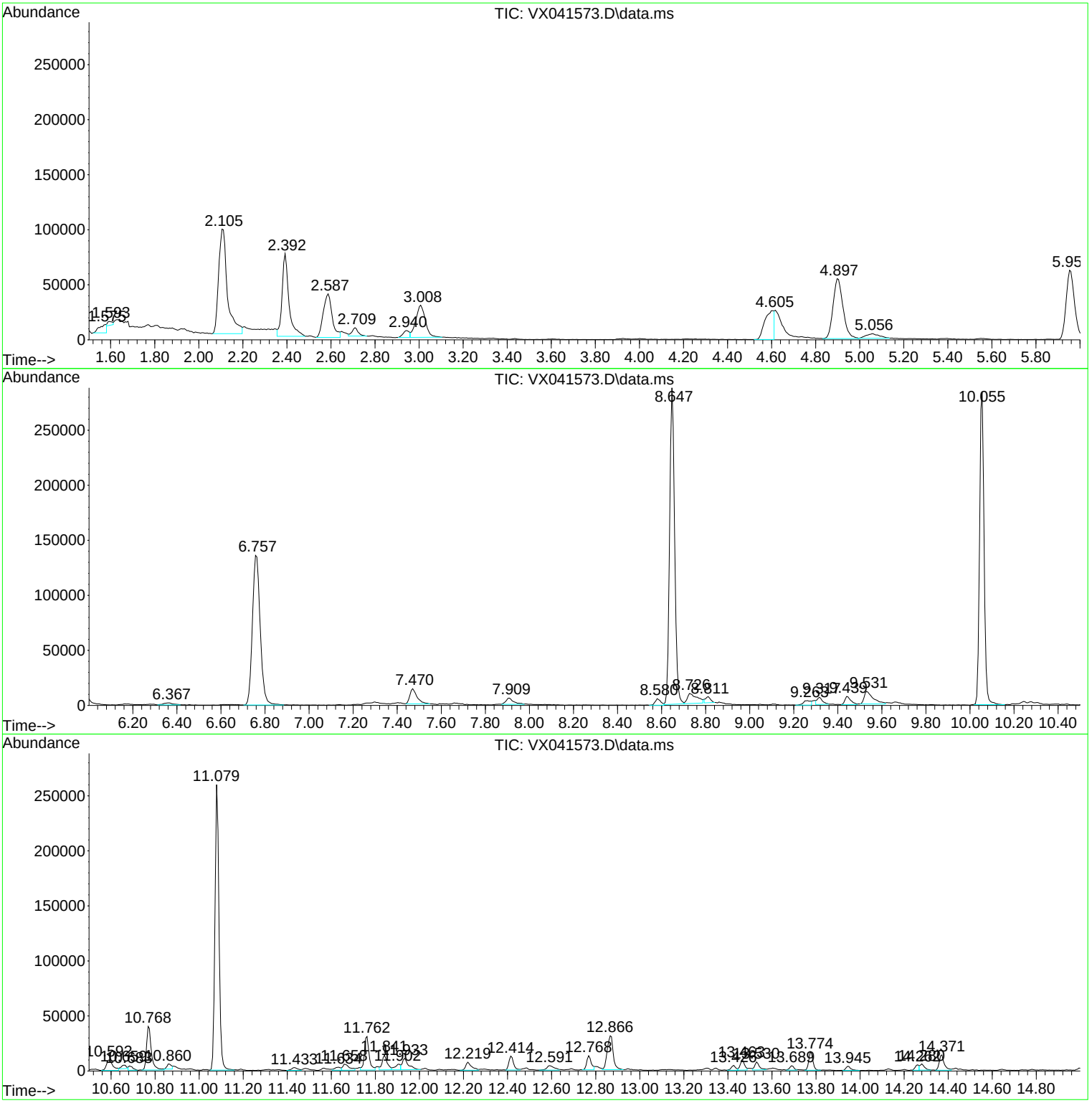
Operator : JC/MD
Sample : P2516-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515014-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041573.D
Acq On : 16 May 2024 18:56
Operator : JC/MD
Sample : P2516-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515014-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

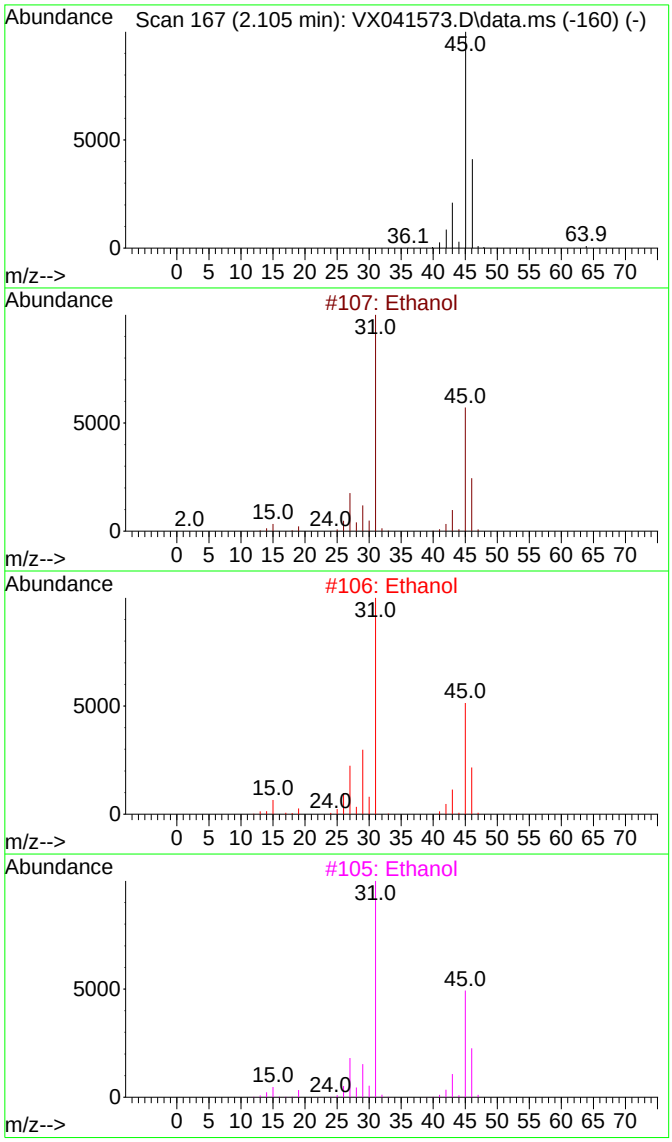
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

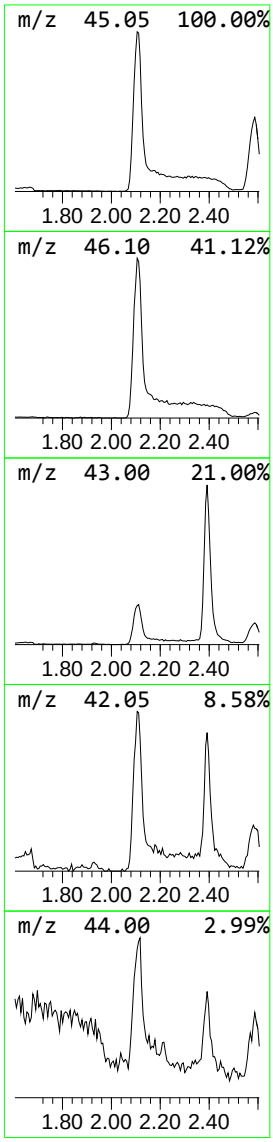
****

Peak Number 2 Ethanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.105	46.26 ug/l	262100	Bromochloromethane	4.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	74
2	Ethanol	46	C2H6O	000064-17-5	74
3	Ethanol	46	C2H6O	000064-17-5	64
4	Dimethyl ether	46	C2H6O	000115-10-6	9
5	Dimethyl ether	46	C2H6O	000115-10-6	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041573.D
Acq On : 16 May 2024 18:56
Operator : JC/MD
Sample : P2516-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515014-02

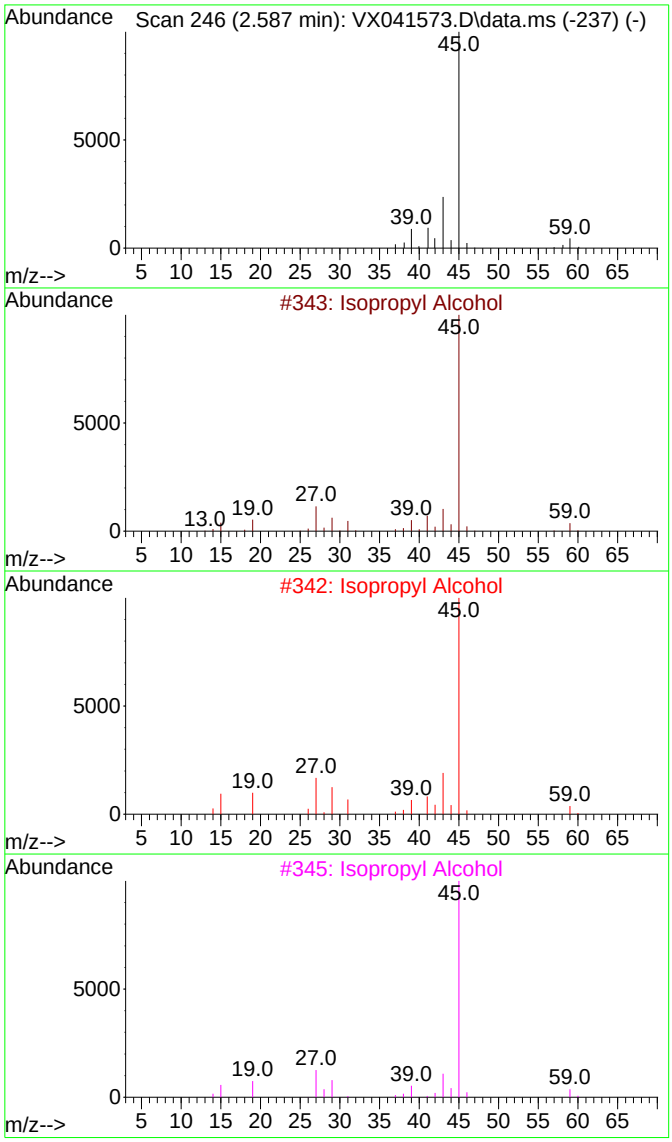
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

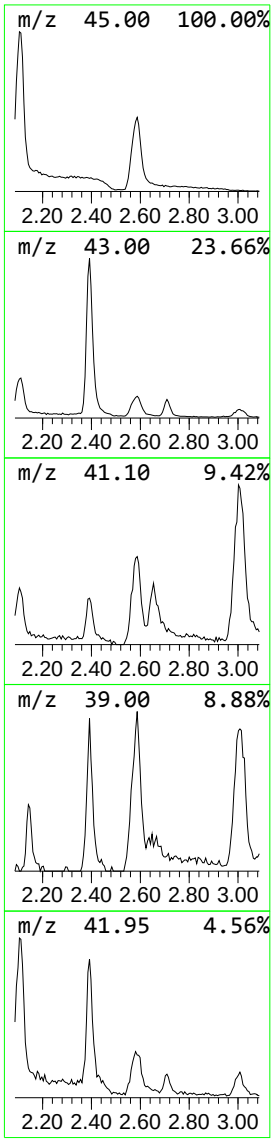
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Isopropyl Alcohol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.587	19.68 ug/l	111509	Bromochloromethane	4.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	64
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
5	Isopropyl Alcohol	60	C3H8O	000067-63-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041573.D
Acq On : 16 May 2024 18:56
Operator : JC/MD
Sample : P2516-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515014-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

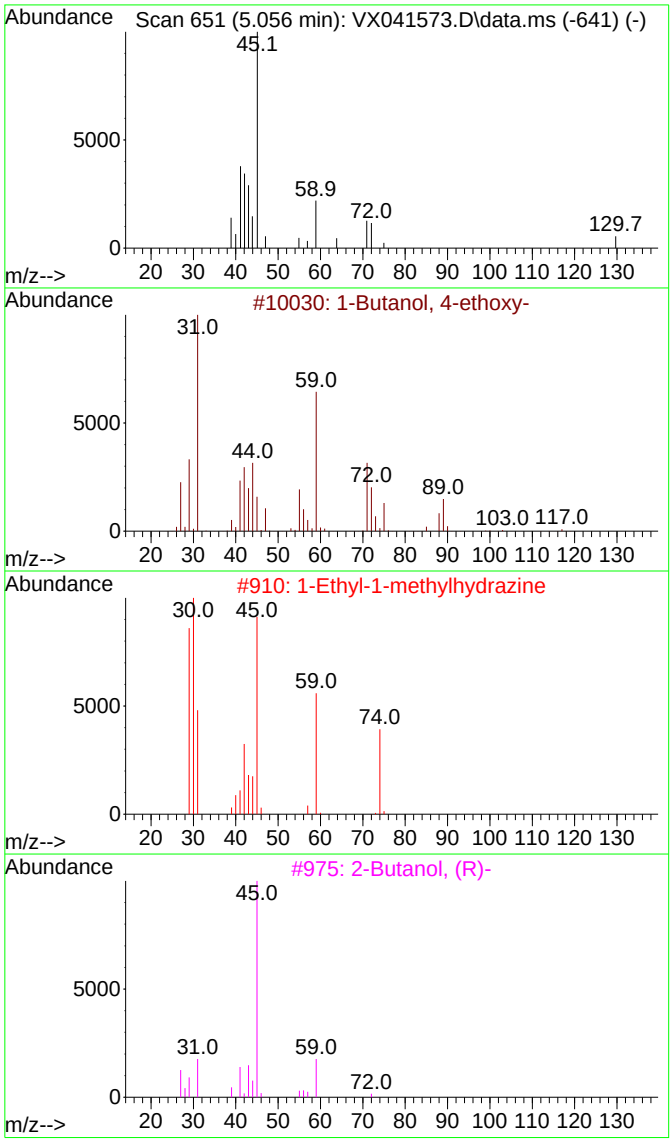
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

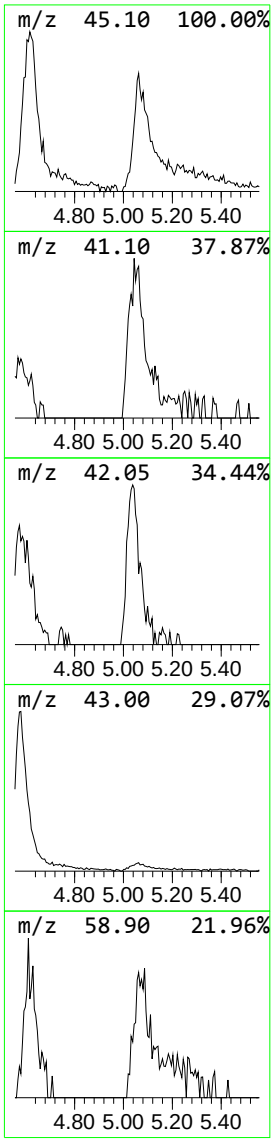
****

Peak Number 4 unknown5.056 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.056	3.12 ug/l	17688	Bromochloromethane	4.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol, 4-ethoxy-	118	C6H14O2	000111-73-9	12
2	1-Ethyl-1-methylhydrazine	74	C3H10N2	004986-48-5	9
3	2-Butanol, (R)-	74	C4H10O	014898-79-4	9
4	Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	9
5	2-Butanol	74	C4H10O	000078-92-2	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041573.D
Acq On : 16 May 2024 18:56
Operator : JC/MD
Sample : P2516-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515014-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

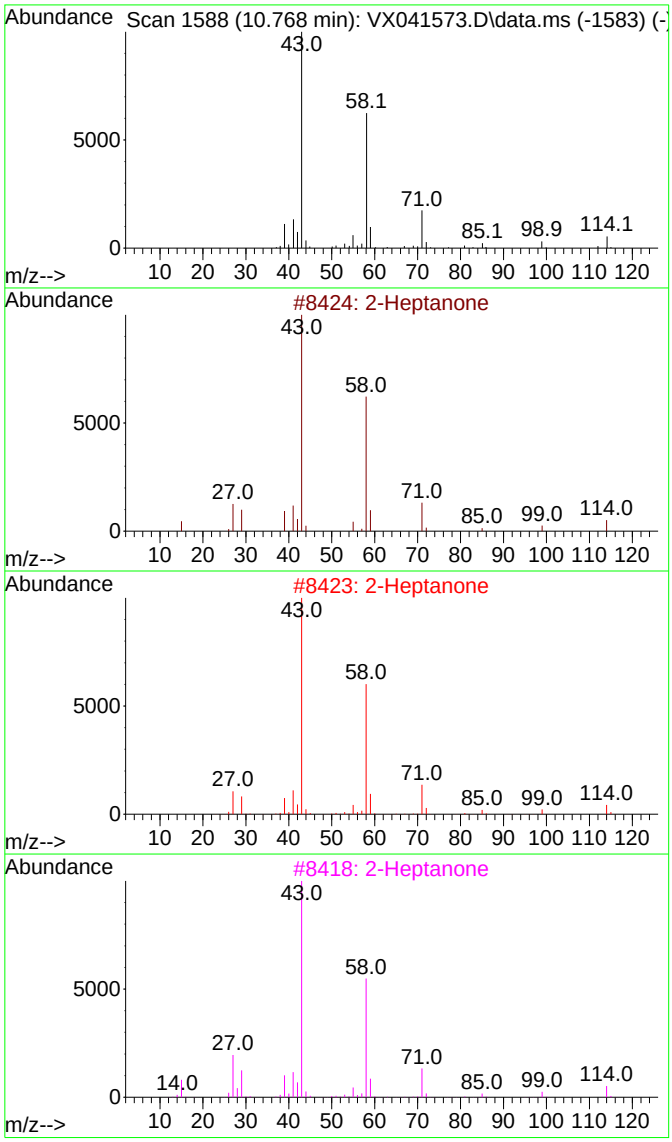
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

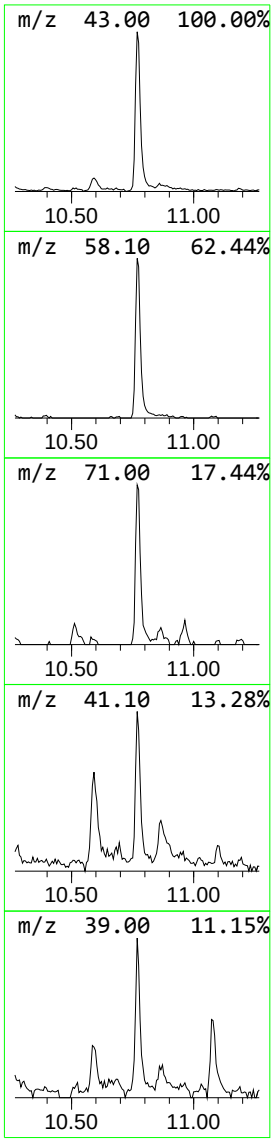
****

Peak Number 5 2-Heptanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.768	4.45 ug/l	59796	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	91
2	2-Heptanone	114	C7H14O	000110-43-0	91
3	2-Heptanone	114	C7H14O	000110-43-0	91
4	2-Heptanone	114	C7H14O	000110-43-0	91
5	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041573.D
Acq On : 16 May 2024 18:56
Operator : JC/MD
Sample : P2516-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515014-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

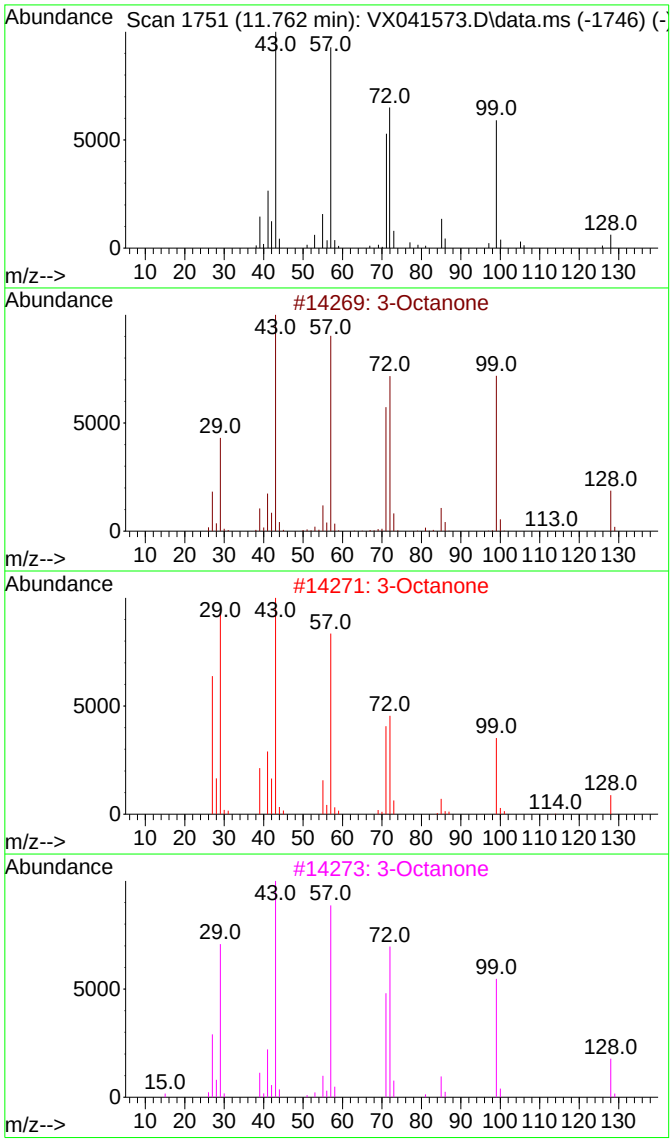
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

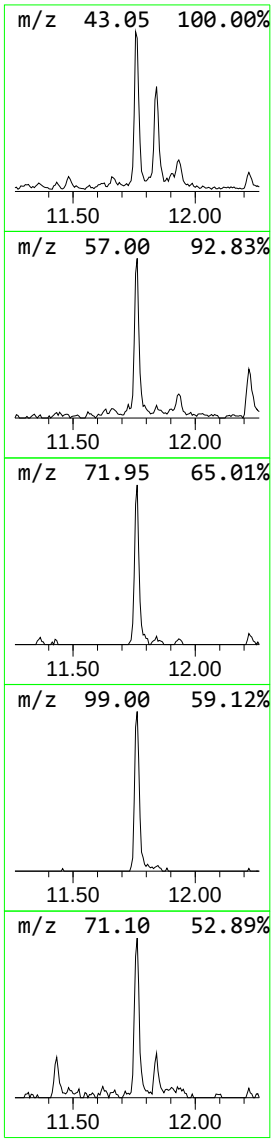
****

Peak Number 6 3-Octanone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.762	3.33 ug/l	44805	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanone	128	C8H16O	000106-68-3	94
2	3-Octanone	128	C8H16O	000106-68-3	87
3	3-Octanone	128	C8H16O	000106-68-3	72
4	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	50
5	n-Caproic acid vinyl ester	142	C8H14O2	003050-69-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041573.D
Acq On : 16 May 2024 18:56
Operator : JC/MD
Sample : P2516-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515014-02

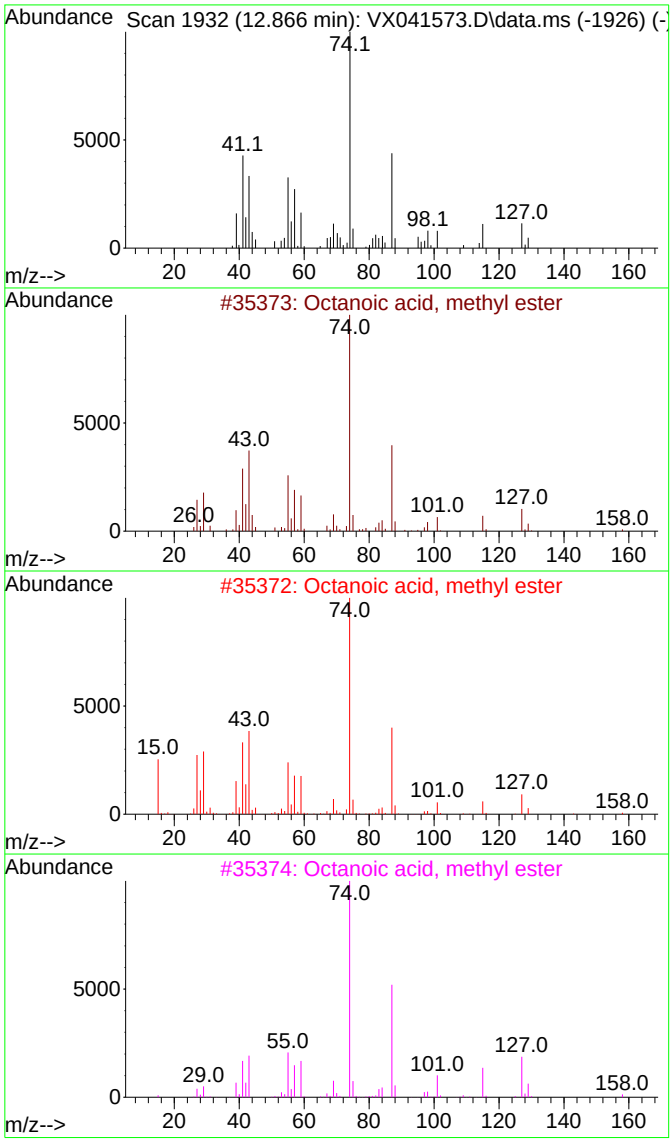
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

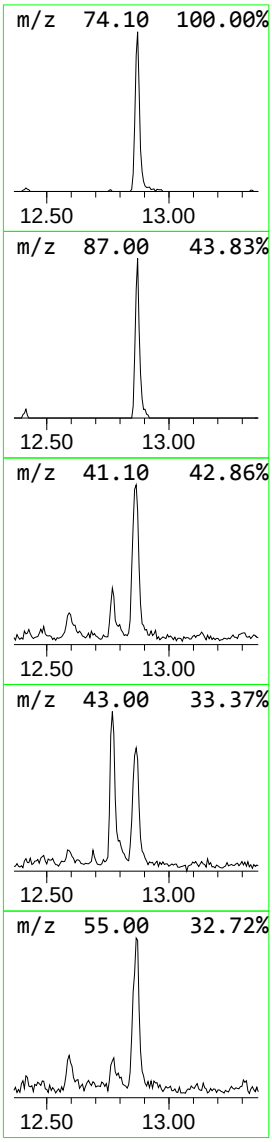
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Octanoic acid, methyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.866	4.24 ug/l	56981	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic acid, methyl ester	158	C9H18O2	000111-11-5	90
2	Octanoic acid, methyl ester	158	C9H18O2	000111-11-5	83
3	Octanoic acid, methyl ester	158	C9H18O2	000111-11-5	83
4	Octanoic acid, methyl ester	158	C9H18O2	000111-11-5	83
5	Methyl 6-methyl heptanoate	158	C9H18O2	002519-37-1	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041573.D
Acq On : 16 May 2024 18:56
Operator : JC/MD
Sample : P2516-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515014-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethanol	2.105	46.3	ug/l	262100	1	4.904	169969	30.0
Isopropyl Alcohol	2.587	19.7	ug/l	111509	1	4.904	169969	30.0
unknown5.056	5.056	3.1	ug/l	17688	1	4.904	169969	30.0
2-Heptanone	10.768	4.5	ug/l	59796	3	10.055	403414	30.0
3-Octanone	11.762	3.3	ug/l	44805	3	10.055	403414	30.0
Octanoic acid, ...	12.866	4.2	ug/l	56981	3	10.055	403414	30.0